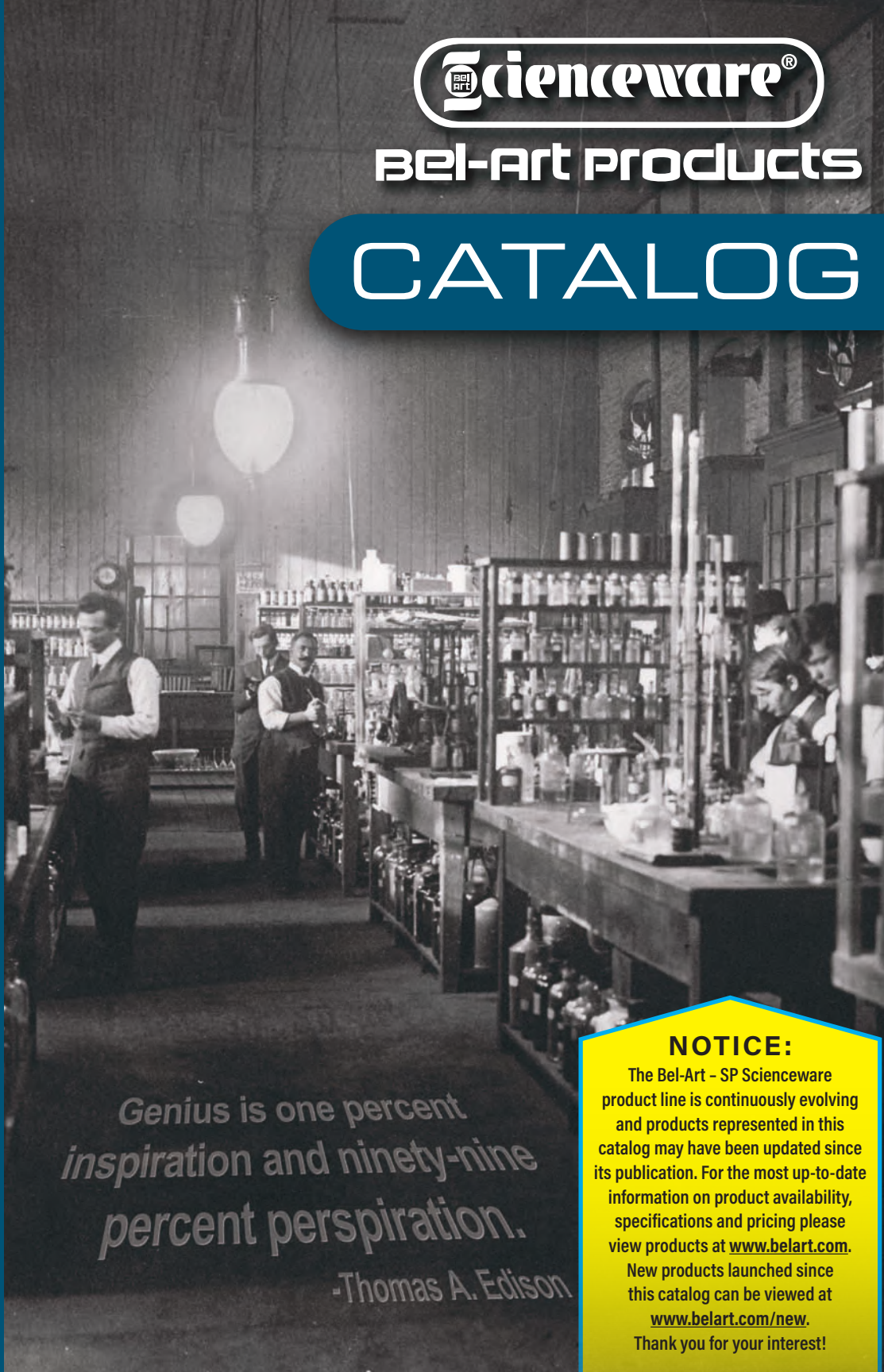
Scienceware®

Bel-Art Products

CATALOG



NOTICE:

The Bel-Art – SP Scienceware product line is continuously evolving and products represented in this catalog may have been updated since its publication. For the most up-to-date information on product availability, specifications and pricing please view products at www.belart.com. New products launched since this catalog can be viewed at www.belart.com/new. Thank you for your interest!

Bel-Art Products

Simplifying tasks with innovative product solutions for science, industry and healthcare.

Bel-Art Products tools for science are sold worldwide through authorized distributors. If you are interested in becoming a Bel-Art Products authorized distributor please contact our sales department at sales@belart.com for current terms and conditions.

MADE IN THE USA
Bel-Art Products

Bel-Art Products proudly manufactures over 85% of its products in the United States.

About Our Cover

Founded and headquartered in New Jersey, Bel-Art Products is pleased to showcase historical photos of Thomas Edison's West Orange, NJ chemistry laboratory complex on our cover. Established in 1887, and active until shortly after Edison's death in 1931, the complex and his Glenmont Estate are now preserved as a national park and house one of the largest museum and archival collections in the National Park System.

Cover photos and photo at right provided courtesy of U.S. Dept. of the Interior, National Park Service, Thomas Edison National Historical Park.



Edison at the bat and Connie Mack catching, 1927.

Bel-Art Products
661 Route 23 South
Wayne, NJ 07470-6814 USA
www.belart.com
Tel: 973-694-0500 • 800-423-5278
Fax: 973-694-7199
Email: info@belart.com

Additional Facilities in Wayne, NJ, Kansas City, MO and Pocomoke City, MD
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Scienceware®
TOOLS FOR SCIENCE FROM BEL-ART PRODUCTS

Unless indicated all items are sold as single units.

Lit. No. 00211-0006

Every Day, People Make a Difference

"Genius is one percent inspiration and 99% perspiration" – Thomas Edison

Featured on our cover is the West Orange, NJ laboratory complex which brought forth some of Thomas Edison's most notable inventions. With over 1500 worldwide patents to his name, Edison was a prolific inventor, but there are many who would argue that Edison's greatest invention, never patentable, is actually the subject of these photos – the organization of the world's first industrial research facility. Beginning in Menlo Park, NJ in 1876 and later at this much larger facility built in 1887, teams of workers led by Edison collaborated to develop ideas into useable products.

As an inventor, scientist and businessman Edison lived his beliefs with tenacity, curiosity and passion. "I have not failed, I've just found 10,000 ways that won't work" and "Just because something doesn't do what you planned it to do doesn't mean it's useless" reflect an incredible capacity to search for answers and in turn, inspire those around him to search for excellence.



70 years later in 1946, with little more than a sewing machine, strong work ethic, and gift for relationships, another pair of New Jersey residents Kurt and Anny Landsberger would begin to make their own mark in the now well-established industrial research industry, science and healthcare markets.

Originally manufacturing and selling household aprons and tablecloths, the Landsbergers soon discovered that the plastic material they were using to make these items was chemically resistant, and they began marketing their products to laboratory and medical supply houses pioneering the use of plastic equipment in the laboratory.

From those humble beginnings of one sewing machine and two industrious people, came Bel-Art Products, a company that today is proud to be recognized as a leading manufacturer of over 2,000 products used in scientific, industrial and healthcare laboratories worldwide.



Though his beloved Anny passed away this year, Mr. Landsberger, (or KL as we like to call him) now 89 years young, continues to actively participate in the business working alongside his son and company President, David.

Recently someone at Bel-Art Products inquired to KL about a trip that he took to Las Vegas to attend a trade show and if he had tested his luck in the casinos. With characteristic dry humor he was heard to reply "I'm not a gambler, that's why I started a company!"

Not a gamble? You bet it was! But, it was a gamble backed by a strong work ethic, fueled by a passion to pursue innovative products and processes, and nurtured by respect for his customers.

The investigation, understanding and unraveling of life's mysteries that our customers seek in the laboratory also requires great dedication and passion. Whether your work finds you in a small start-up or a well established entity we are honored to be part of this process and thank you for choosing Bel-Art Products as a supplier. As KL will tell you, one person always makes a difference, because whether we work alone or in teams, we are all part of a greater team – Team Humankind.

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Benchtop Biohazard Bags
Convenient; Keep Bags up on the Benchtop, Right Where You Need Them, Page 6



Biohazard Incinerator Cartons
No Need to Transfer Contents before Disposal, Page 15



Large Volume Beakers and Pitchers
Graduated Containers Hold Up to 10 Liters, Page 19



Graduated Beakers with No Drip Spouts
Stack and Store without Sticking, Page 18

SHOP www.belart.com



Bench-Top Biohazard Bags

Easy Open, Dispose Used Tips and Tubes

Bright red, autoclavable bags feature one long flap for easy opening. Their size allows the bag to be inverted over your hand to safely pick up waste. For a space-saving disposal unit in fume hoods or on bench tops, use them with Poxygrid® Desk Model Bag Holder H13193-1000.

Printed with the biohazard symbol and sterilization indicator patch, they are made of High Molecular Weight, High-Density (HMHD) polyethylene and pass ASTM 1922 Tear Resistance and ASTM 1709 Dart Impact Tests. Steam autoclavable at 121°C (250°F). **Per box, 100 or 1000.**

HDPE A

CATALOG NO.	SIZE	DESCRIPTION	THICKNESS
F13166-0000	*0.43 Gallon*	*100pc. 22 x 28cmH (8.5 x 11")*	*0.018mm (0.72 mil)*
F13166-0001	*0.43 Gallon*	*1000pc. 22 x 28cmH (8.5 x 11")*	*0.018mm (0.72 mil)*

Quick Method for Waste Pick-up



Insert gloved hand into bag.



Pick up waste materials with hand inside bag.



Peel bag over the hand, turning it inside out while maintaining grip on waste material.



Waste is now inside bag and ready for autoclaving.

Bag Holder for Bench-Top Biohazard Bags

Poxygrid® Handy Disposal Holder for Labs and Medical Offices

Economical and convenient, this rectangular frame holds a polyethylene bag 22 x 28cm (8½ x 11") which is just the right size for collecting pipette tips, microcentrifuge tubes, etc. during daily use. The steel wire holder is coated in durable biohazard orange epoxy and measures 8.5 x 12.7 x 21.6cm H (3⅜ x 5 x 8½"). Use with Bench Top Biohazard Bags H13182-0812, page 7, and F13166-0000 shown above.



A

CATALOG NO.	DIMENSIONS (L x W x H)
H13193-1000	*8.5 x 12.7 x 21.6cm (3⅜ x 5 x 8½")*

A. Biohazard Sharp Object Safety Pouch



Hard-to-Pierce Pouch; Convenient for Labs, Clinics and Medical Offices

This solid paperboard pouch is 10 mil thick and offers protection against the danger of being cut by contaminated sharp objects. It remains open in an oval shape by folding the bottom flaps. After filling, the top flaps close and lock in place for safe disposal. Printed with bold biohazard symbol. Use with the Poxygrid® Safety Pouch Stand F13236-0000 for easy bench-top collection. Measures 14 x 33cm (5½ x 13") flat. **200 per pack, 5 packages per case.**

CATALOG NO.	DESCRIPTION
H13234-0000	*Biohazard Sharp Object Safety Pouch, 200pc.*

B. Safety Pouch Stand – Poxygrid®

Bright orange, epoxy-coated steel wire stand provides a stable support to keep the Biohazard Sharp Object Safety Pouch upright and open for easy access. 10 x 13 x 20cm H (4 x 5⅛ x 8")

CATALOG NO.	DESCRIPTION
F13236-0000	*Poxygrid® Safety Pouch Stand*



Autoclavable Bags – Clavies®

High Temperature Bags Reduce Autoclave Time

These transparent autoclave bags are made of 0.05mm (2 mil) thick polypropylene for discarding used Petri dishes, membrane filters, multi-well cell culture plates, cell culture flasks, culture plates, pipettes, and more. The three largest sizes hold 65, 200 and 240 standard Petri dishes respectively. Steam autoclavable at 135˚C (275˚F). **100 per box, 10 boxes per case.**

PP

CATALOG NO.	SIZE (W x H)
H13182-0810	*20 x 25cm (8 x 10")*
H13182-0812	*20 x 30cm (8 x 12")*
H13182-0815	*20 x 38cm (8 x 15")*
H13182-1010	*25 x 25cm (10 x 10")*
H13182-1012	*25 x 30cm (10 x 12")*
H13182-1015	*25 x 38cm (10 x 15")*
H13185-1224	*30 x 61cm (12 x 24")*
H13185-2430	*61 x 76cm (24 x 30")*
H13185-2436	*61 x 91cm (24 x 36")*

SHOP www.belart.com



Utility Bags

All Purpose Polyethylene Bags, Available in Two Weights

Reusable, transparent polyethylene bags are ideal for shipping or storage and are especially useful as sample bags. Not Autoclavable. Latex free. FDA approved material. H13176 lightweight bags are 0.038 mm (1.5 mil) thick, **packed 100 per box, 15 boxes per case.** H13178 heavyweight bags are 0.1016 mm (4 mil) thick, **packed 100 per box, 10 boxes per case.** Order by complete catalog number and size code. Other sizes are available, call for quote.

PE

CATALOG NO. 1.5 MIL	CATALOG NO. 4 MIL	SIZE CODE	SIZE
—	H13178	-0046	102 x 152mm (4 x 6")
—	H13178	-0068	152 X 216mm (6 x 8.5")
—	H13178	-0610	152 x 254mm (6 x 10")
H13176	H13178	-0612	152 x 305mm (6 x 12")
—	H13178	-0810	203 x 267mm (8 x 10.5")
H13176	H13178	-0812	203 x 305mm (8 x 12")
H13176	H13178	-0816	203 x 406mm (8 x 16")
H13176	—	-0818	203 x 457mm (8 x 18")
H13176	H13178	-1012	254 x 305mm (10 x 12")
H13176	—	-1014	254 x 356mm (10 x 14")
H13176	H13178	-1016	254 x 406mm (10 x 16")
—	H13178	-1018	254 x 457mm (10 x 18")
—	H13178	-1214	305 x 356mm (12 x 14")
—	H13178	-1216	305 x 406mm (12 x 16")
H13176	H13178	-1218	305 x 457mm (12 x 18")
H13176	H13178	-1220	305 x 508mm (12 x 20")

Select from a Variety of Bag Holders, Pages 6, 12-13

Biohazard Disposal Bags – Red

Sterilization Safety Feature

Bright red polypropylene bags include black biohazard symbol and precautionary procedures printed in four languages (English, Spanish, French, German) for added safety. Sterilization patch darkens when subjected to steam sterilization. High temperature steam autoclavable to 135˚C (275˚F). Pass ASTM 1922 Tear Resistance and ASTM 1709 Dart Impact Tests. **200 per box, except F13164-3848, 100 per box.**



PP A

CATALOG NO.	THICKNESS	SIZE	GALLON CAPACITY
F13164-1419	1.5 mil	36 x 48cm (14 x 19")	2 to 4
F13164-1923	1.5 mil	48 x 58cm (19 x 23")	6 to 9
F13164-2535	1.5 mil	64 x 89cm (25 x 35")	15 to 20
F13164-3138	1.5 mil	79 x 97cm (31 x 38")	25 to 35
F13164-3848	1.5 mil	97 x 122cm (38 x 48")	40 to 55

Biohazard Disposal Bags – Clear

Low Cost, Available Plain, Non-Printed or with Biohazard Label and Indicator Patch

Great economical solution for safe disposal of used pipettes, Petri dishes, multi-well cell culture plates, cell culture flasks, culture plates, membrane filters and other biohazard wastes. These polypropylene transparent biohazard bags are 0.03mm (1.5 mil) thick. Pass ASTM 1709 Dart Impact and ASTM 1922 Tear Resistance Tests. High temperature autoclavable at a maximum of 135˚C (275˚F).



A. Without Biohazard Warning Label or Sterilization Indicator Patch

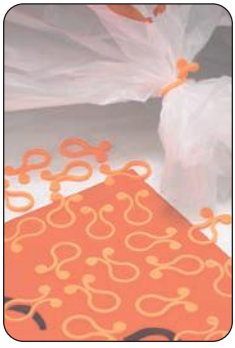
Plain, non-printed bags can also be used as conventional trash can liners. **100 per box.**

CATALOG NO.	THICKNESS	SIZE	GALLON CAPACITY
F13160-0005	*1.5 mil*	*30 x 61cm (12 x 24")*	*1 to 3*
F13161-0005	*1.5 mil*	*61 x 76cm (24 x 30")*	*10 to 12*
F13162-0005	*1.5 mil*	*61 x 91cm (24 x 36")*	*15 to 20*

B. With Biohazard Warning Label and Sterilization Indicator Patch

Printed with the standard biohazard warning symbol and precautionary procedures in four languages: English, French, German, and Spanish. Sterilization patch darkens when subjected to steam sterilization. **100 per box.**

CATALOG NO.	THICKNESS	SIZE	GALLON CAPACITY
F13160-0009	*1.5 mil*	*30 x 61cm (12 x 24")*	*1 to 3*
F13161-0009	*1.5 mil*	*61 x 76cm (24 x 30")*	*10 to 12*
F13162-0009	*1.5 mil*	*61 x 91cm (24 x 36")*	*15 to 20*



Autoclave Safe Bag Clips – Clavies®

These clips can be opened and closed with one hand to easily and securely close the gathered top of an autoclave bag after it has been filled with wastes. Stiff plastic design holds the bag neck closed while allowing release of internal pressure that can develop during the autoclave cycle. After autoclaving, the clip is left on the bag for final disposal. Closed internal dimension is 7/16". Suitable for bench-top sized bags or small autoclave bags ranging in size from 12 x 24" to 19 x 23", catalog numbers F13160-0009, F13160-0005, F13185-1224, F13164-1419 and F13164-1923. Use with larger bags is not advised. **100 per bag, 10 bags per case.**

CATALOG NO.
F13190-0100

SHOP www.belart.com



Biohazard Disposal Bags – Super Strength

Extra Thick, Extra Strong
High Temperature Bags Reduce Autoclave Time

Protect against dangerous tears and leaks with extra strong, high impact polypropylene biohazard disposal bags. The red bags are printed with the standard biohazard warning symbol and precautionary procedures in four languages: English, French, German and Spanish. Pass ASTM 1709 Dart Impact and ASTM 1922 Tear Resistance Tests. Extra heavy-duty bags are 0.05mm (2 mil) thick blended polymer, autoclavable to 135°C (275°F) and feature a sterilization indicator patch that darkens when exposed to steam sterilization for 20 minutes. Extra large sizes available, call for quote. **200 per box, except F13165-3748 which is packed 100 per box.**

CATALOG NO.	THICKNESS	SIZE	GALLON CAPACITY
F13165-1419	*2.0 mil*	*36 x 48cm (14 x 19")*	*2 to 4*
F13165-1923	*2.0 mil*	*48 x 58cm (19 x 23")*	*6 to 9*
F13165-2535	*2.0 mil*	*64 x 89cm (25 x 35")*	*10 to 12*
F13165-3138	*2.0 mil*	*79 x 96cm (31 x 38")*	*20 to 30*
F13165-3748	*2.0 mil*	*94 x 122cm (37 x 48")*	*40 to 50*

Self Adhesive Waste Bags – Cleanware™



Hang Anywhere for Easy Waste Collection

Disposable waste bags free bench or hood space when hung from walls, cabinets or virtually anywhere. Simply peel off the backing on the adhesive strip across the top and hang close to your work area. The back panel is longer than the front for easy opening. White bags are made of High Molecular Weight High Density (HMHD) polyethylene which is steam autoclavable at 121˚C (250˚F). Pass ASTM 1709 Dart Impact and ASTM 1922 Tear Resistance Tests. Maximum weight of contents should not exceed 1.36kg (3lb). **50 bags per box.**

CATALOG NO.	THICKNESS	SIZE
F13174-1008	*1.0 mil*	*203 x 254mm (8 x 10")*
F13174-1012	*1.0 mil*	*305 x 406mm (12 x 16")*

Biohazard Bag Holders – Clavies®



Keep Bags Open for Easy Access

Keep bags open and securely supported on these economical, lightweight, stainless steel wire frames. Polypropylene bottom serves as a containment tray in the event of bag leakage and is safety orange in color for easy identification as a biohazard containment system. The small bag holder is ideal for benchtop use. Assembly takes only minutes and is permanent. Dishwasher-safe and autoclavable at 121°C (250°F). See F13192-0102 (below) for reusable, sanitary cover to fit medium and large Clavies® Biohazard Bag Holders.

CATALOG NO.	TRAY DIMENSION	HEIGHT	FITS BAG SIZE
A. F13192-0001 Small	*18.5 x 35.6cm (7.3 x 14")*	*47cm (18.5")*	*30 x 61cm (12 x 24") (F13160-0009 & F13160-0005)*
B. F13192-0002 Medium	*35.6 x 35.6cm (14 x 14")*	*54.6cm (21.5")*	*61 x 76 cm (24 x 30") (F13161-0009 & F13161-0005)*
C. F13192-0003 Large	*35.6 x 35.6cm (14 x 14")*	*69.6cm (27.2")*	*61 x 91cm (24 x 36") (F13162-0009 & F13162-0005)*

NEW PRODUCT!

Cover for Clavies® Biohazard Bag Holder





Opens with a Single Touch; Sanitary, Reusable

Dishwasher-safe and autoclave-safe, the reusable Clavies® Biohazard Bag Holder Cover opens quickly and easily by pressing the built-in release tab – no batteries required! The orange color cover fits both the Medium and Large sizes of the Clavies® Biohazard Bag Holders (F13192-0002 and F13192-0003, above) and features a smooth 10.1 x 10.1cm (4 x 4") area on top for applying labels. The cover can be installed in seconds and improves the sanitation of these biohazard waste containers. The center panel of the lid opens to an upright position and reveals a large 20.3 x 24.1cm (8 x 9½") opening through which wastes can be deposited into the biohazard bags. Autoclavable at 121°C (250°F).

CATALOG NO.	DIMENSIONS	FITS
F13192-0102	*10.1 x 10.1cm (14 x 14")*	*Medium (F13192-0002) or Large (F13192-0003) Clavies® Biohazard Bag Holders*

SHOP www.belart.com



Bag Holders – Poxygrid®

Holds Bags in Place and Provides a Large Opening for Waste

Sturdy wire holder keeps bags open while a separate hooked ring that rests over the top keeps them securely in place. Made from bright biohazard orange colored epoxy-coated wire.

CATALOG NO.	DIAMETER	HEIGHT	FITS BAG SIZE
H13187-0000	*18.5cm (7.3")*	*52cm (20.5")*	*30 x 61cm (12 x 24")*
H13188-0000	*37cm (14.6")*	*60cm (23.5")*	*61 x 76cm (24 x 30")*
H13189-0000	*37cm (14.6")*	*75cm (29.5")*	*61 x 91cm (24 x 36")*

Autoclavable Bags – Clavies®

25 x 25cm (10 x 10") to fit the Bench-Top Disposal Can. **100 per box, 10 boxes per case.**

CATALOG NO.
H13182-1010

Biohazard Disposal Can with Lift-up Cover



Bright red safety disposal container is suitable for biological/ biohazard materials, broken glass, recyclables or other waste and sized for benchtop or floor placement. Molded of polypropylene for long service life, this can is puncture-resistant and autoclavable at 121°C (250°F). One piece hinged lid protects users from contact with the contents, helps retain odors and contains airborne contaminants. 14 x 19" autoclave bags (F13164-1419 or F13165-1419) fit perfectly over the stainless steel internal wire frame.

CATALOG NO.	DIMENSIONS (L x W x H)
F13197-0000	*22.5 x 30.5 x 29cm (9 x 12 x 11½")*

Biohazard Autoclave Gloves – Clavies®





Safely Unload Your Autoclave

Soft, pliant, all-cotton terry cloth gloves are superb for handling hot objects out of the autoclave or oven, or for other heat protection in the lab, school or industry. Heat-resistant up to 232°C (450°F), they replace hazardous asbestos gloves. Gauntlets in two lengths provide wrist and forearm protection, and the bright orange color offers high visibility. Machine wash, air dry, or use the Lab-Aire® II Glove Holder (F18931-0000) to dry on any Lab-Aire® dryer. *Note: Gloves are not waterproof and should not be used to handle dry ice.* **Per pair, 12 pair per case.**

CATALOG NO.	GAUNTLET LENGTH	OVERALL LENGTH
H13201-0000	*13cm (5")*	*33cm (13")*
H13201-0001	*28cm (11")*	*47cm (18.5")*



Silicone Rubber Loops

Versatile Elastic Closures

Use these adjustable "rubber bands" for bundling, binding, color coding, securing columns and burettes, controlling flexible tubing, keeping foil covers on canisters, and securing dialysis or biohazard bags. They remain flexible from -46˚C to 121˚C (-50˚F to 250˚F) for use in the autoclave or freezer. Small, tension-control band slides for a loop range of 5mm (0.2") to 100mm (4") in diameter. Includes red, blue and yellow. **30 per bag, 10 of each color.**

CATALOG NO.
F20308-0000

SHOP www.belart.com



Twist Tie Cord

Cut the Length You Need

These ties are strong, convenient and indispensable for bag closures and bundling hard-to-handle items like rods, wires and tubes. They are superior to strings and rubber bands - just cut to the length you need and twist the ends together. Made of soft, copper-tinned, annealed iron wire sealed in extruded virgin vinyl. 457.2 meters (1500 ft.) Should only be used at 121˚C for 20 to 30 minutes. **Per roll, 6 rolls per case.**

CATALOG NO.
H13190-0000





Deodorant Pads – Odo-Clave®

Neutralize Autoclave Odors with a Choice of Four Fragrances

Heat-released deodorant pads neutralize odors with one of four pleasant scents. Simply open foil pouch and place pad in bag prior to autoclaving. Pads are 32mm (1¼") square and have a three year life span, but will last longer if stored in a sealed container. **10 pads per bag, 10 bags per box, 10 boxes per case.**

CATALOG NO.	FRAGRANCE
H13198-0000	*Clove*
H13198-0001	*Cherry*
H13198-0002	*Pine*
H13198-0003	*Lemon*



Triple Strength Deodorant Pads – Odo-Clave®

Economical and Strong

These clove-scented pads provide an economical solution when additional deodorant is required. Releases three times the deodorant of the standard pads while costing less than two standard pads. 57mm square (2¼") **10 pads per bag, 10 bags per box, 10 boxes per case.**

CATALOG NO.	FRAGRANCE
H13199-0000	*3x Clove Scent*

Biohazard Incinerator Cartons

Safe Disposal, No Need to Transfer Contents



This corrugated cardboard receptacle has a pair of tabs along the top edge that keep its clear 0.038mm (1.5 mil) thick polyethylene biohazard bag from slipping out of place. The snug-fitting lid has a flap for easily inserting waste material. When the box is full, pull the flap to a closed position and the entire unit is ready for incineration. Printed with large, bright, biohazard graphics and instructions in four languages (English, Spanish, French, German). Packaged flat to save space and shipping costs, the carton and inner bag can be assembled in seconds. Available in two sizes. See F13204-0000 (below) for reusable, sanitary cover for floor model Biohazard Incinerator Cartons. **6 per pack.**

CATALOG NO.	MODEL	DIMENSIONS (L x W x H)
F13205-0001	*Floor*	*30.5 x 30.5 x 68.5cm (12 x 12 x 27")*
F13205-0002	*Benchtop*	*19.6 x 19.6 x 25.4cm (8 x 8 x 10")*

NEW PRODUCT!





Cover for Biohazard Incinerator Disposal Carton

Opens with a Single Touch; Sanitary, Reusable

Dishwasher-safe and autoclave-safe, the reusable Disposal Carton Cover opens quickly and easily by pressing the built-in release tab – no batteries required! The cover fits any disposal carton that has a 30.5 x 30.5cm (12 x 12") opening including F13205-0001 Biohazard Incinerator Floor Standing Carton (above) and features a smooth 10.1 x 10.1cm (4 x 4") area on top for applying labels. The center panel is red to match the printing on the Biohazard disposal cartons providing fast visual recognition of the waste stream. Compared to the disposable cardboard lids supplied with the cartons, the Disposal Carton Cover provides a wider opening 20.3 x 24.1cm (8 x 9½") permitting safer and more sanitary deposit of wastes into the container. Store the disposable cardboard lid on the bottom of the carton and when carton is full, simply remove the reusable Disposal Carton Cover, replace with the cardboard lid, and dispose of the carton in the usual fashion. Wash the Disposal Carton Cover as needed, and it's ready for re-use. Autoclavable at 121°C (250°F).

PP A

CATALOG NO.	DIMENSIONS	FRAME/PANEL COLOR
F13204-0000	*30.5 x 30.5cm (12 x 12")*	*White/Red*

Find Additional Safety Products on Pages 302 - 331

SHOP www.belart.com

Touch Free™ Automatic Waste Cans

Safe and Easy Waste Disposal

1. Wave your hand over the sensor on the front of the waste can lid.
2. Lid automatically opens for waste disposal, then automatically closes.

It's That Simple!





A. F13202-0010
2 gallon model






B. F13202-0020
7.3 gallon model (gray)




C. F13202-0022
7.3 gallon model (red)




D. F13202-0030
12 gallon model (gray)
304 Stainless Steel Pail



All labels included with waste cans!

Biohazard, Recyclable, Trash and a Blank Label help to keep trash organized.

Touch Free™ Automatic Waste Cans

Protects Users from Waste Receptacle Contact!

The Touch Free™ Automatic Waste Can's motion sensitive lid opens automatically to accept waste, and then closes into a fitted well to reduce odor and airborne contamination. Durable and dependable, they can be used with autoclavable biohazard disposal bags or commercially available trash bags. Requires four (4) D-batteries (not included) to provide approximately 4,000 openings. An on-off switch deactivates the auto-open/close function.



Each unit comes with a brightly-colored Biohazard label, and 2 other labels for Recyclables and Trash, and a blank label for individual applications.

Available in three slim, modern designs:

A. **F13202-0010 - White** 2 gallon can is perfect for bench-top use and includes a removable rigid liner that won't leak or rust. Body and lid are molded of easy-to-clean ABS plastic, and the removable pail is molded of autoclavable polypropylene. Line with 14 x 19" biohazard disposal bags (see below) or suitable size standard trash bags.

B. **F13202-0020, Gray** and C. **F13202-0022, Red** 7.3 gallon cans have a molded polypropylene pail and ABS plastic top. Line with bag liners or biohazard disposal bags measuring 24 x 30, 24 x 36 or 25 x 35" (see below) or suitable size standard trash bags.

D. **F13202-0030** - 12 gallon **Stainless Steel** can with a black ABS plastic top. Line with bag liners or biohazard disposal bags measuring 24 x 30, 24 x 36 or 25 x 35" (see below) or suitable size standard trash bags.

Use with Your Favorite Scienceware®
Waste Disposal Bags, pages 7-10.

2 gallon model uses 14 x19" bags:

F13164-1419 Biohazard Disposal Bags

F13165-1419 Super Strength Biohazard Disposal Bags

7.3 and 12 gallon models use 24 x 30", 24 x 36", or 25 x 35" bags:

F13161-0009 Biohazard Disposal Bags, 24 x 30" (printed)

F13161-0005 Biohazard Disposal Bags, 24 x 30" (plain)

F13162-0009 Biohazard Disposal Bags, 24 x 36" (printed)

F13162-0005 Biohazard Disposal Bags, 24 x 36" (plain)

F13164-2535 Biohazard Disposal Bags, 25 x 35"

F13165-2535 Super Strength Biohazard Disposal Bags, 25 x 35"

CATALOG NO.	CAPACITY	MATERIAL	DIMENSIONS (L x W x H)
A. F13202-0010	2.0 gallon	Plastic - White	21.6 x 30.5 x 43.0cm (8½ x 12 x 17")
B. F13202-0020	7.3 gallon	Plastic - Gray	36.8 x 26.7 x 57.1cm (14½ x 10½ x 22½")
C. F13202-0022	7.3 gallon	Plastic - Red	36.8 x 26.7 x 57.1cm (14½ x 10½ x 22½")
D. F13202-0030	12.0 gallon	Stainless Steel Can Plastic Lid	36.8 x 26.7 x 67.3cm (14½ x 10½ x 26½")

SHOP www.belart.com



Graduated Beakers

"No-Drip" Spout for Easy Pouring

Griffin low form polypropylene beakers are translucent, chemical resistant and will stack without sticking together. Raised numeric graduations show approximate volume (± 5%). All sizes are steam autoclavable at 121ºC (250ºF) and microwavable. **Per pack.**

CATALOG NO.	CAPACITY	PACKS/CASE	QNTY/PACK
F26210-0000	50ml	4	12
F26211-0000	100ml	4	12
F26212-0000	150ml	4	12
F26213-0000	250ml	6	6
F26214-0000	400ml	6	6
F26215-0000	600ml	6	4
F26216-0000	1000ml	4	3
F26217-0000	2000ml	6	1
F26219-0000	4000ml	6	1

Beaker Specifications

CATALOG NO.	GRADUATION	HEIGHT	TOP O.D.	BOTTOM O.D.
F26210-0000	Every 10ml	48.3mm (1.9")	50.8mm (2")	40.6mm (1.6")
F26211-0000	25ml	66.0mm (2.6")	64.3mm (2.53")	50.8mm (2")
F26212-0000	25ml	76.2mm (3")	73.2mm (2.88")	58.4mm (2.3")
F26213-0000	50ml	88.9mm (3.5")	83.3mm (3.28")	66.8mm (2.63")
F26214-0000	100ml	111.1mm (4.37")	96.5mm (3.8")	74.7mm (2.94")
F26215-0000	100ml	127.0mm (5")	111.0mm (4.37")	83.8mm (3.3")
F26216-0000	200ml	152.0mm (6")	130.2mm (5.13")	101.6mm (4")
F26217-0000	500ml	184.2mm (7.25")	165.1mm (6.5")	133.4mm (5.25")
F26219-0000	1000ml	235.0mm (9.25")	212.6mm (8.37")	171.5mm (6.75")

Weighted Beaker/Flask Holders

Eliminate Drifting and Tipping in Water Baths

Weighted holder grips beakers or flasks firmly in four flared stainless steel prongs. The Vikem® vinyl-coated lead ring secured beneath the holder keeps container immersed in water, provides a low center of gravity and allows water to circulate underneath the beaker. Can be used in boiling liquid up to 135˚C(275˚F) for 1 hour.



CATALOG NO.	FITS BEAKER	WEIGHT	DIAMETER
F18309-0100	100ml	165gm (0.36lb)	60mm (2.4")
F18309-0250	250ml	237gm (0.5lb)	80mm (3.3")

Large Volume Beakers and Pitchers





5 and 10 Liter Capacity

Now Available with or without Handle!

These graduated beakers and pitchers feature flared rims and spouts for quick, easy pouring when large volumes are handled. Made of polypropylene, they offer good chemical resistance and are steam autoclavable at 121ºC (250ºF). 5 liter beakers and pitchers are graduated every 100ml. 10 liter beakers and pitchers are graduated every 200ml. **Per each.**

PP A

BEAKERS (WITHOUT HANDLE)

CATALOG NO.	CAPACITY	BOTTOM O.D.	TOP O.D.	HEIGHT
F26219-0005	*5 liter*	*16.5cm (6½")*	*21.0cm (8¼")*	*26.0cm (10¼")*
F26219-0010	*10 liter*	*22.2cm (8¾")*	*26.6cm (10⅜")*	*31.1cm (12⅜")*

NEW PRODUCT!

PITCHERS (WITH HANDLE)

CATALOG NO.	CAPACITY	BOTTOM O.D.	TOP O.D.	HEIGHT
F28994-0000	*5 liter*	*16.50cm (6½")*	*21.0cm (8¼")*	*26.0cm (10¼")*
F28995-0000	*10 liter*	*22.2cm (8¾")*	*26.6cm (10⅜")*	*31.1cm (12⅜")*

Scienceware® Graduated Pitchers Are Ideal for Pouring Large Volumes

Clips for Beakers and Pitchers

Easy-to-use, polypropylene clips affix to the rim of a beaker or pitcher to hold tubing, dialysis bags or thermometers.







PP A

CATALOG NO.	DESCRIPTION	HOLDS	BAG/CASE PACKS
A. F18235-0000	*Tubing Holder*	*Up to 9.5mm (⅜") O.D.*	*6/6*
B. F18237-0000	*Dialysis Bag Holder*	*On rim up to ¼" thick*	*6/6*
C. F18241-0000	*Thermometer Holder*	*3.2mm (⅛") to 11mm (7/16") dia.*	*3/12*



Acid / Solvent Bottle Carriers
Complete Protection for Glass Reagent Bottles, Page 44



Write-On™ Bottles
Custom Labeling Convenience, Page 33



Cleanware™ Bottle Brush
Swivel Head Takes Curves and Corners, Page 37



Right-to-Know 4-Color Wash Bottles
Clearly Labeled Bottles Reduce Accidental Misuse, Page 22

NEW PRODUCT! SHOP www.belart.com



4-Color Wash Bottles – Right-to-Know, Safety-Labeled, Wide-Mouth

Right-to-Know Safety-Labeled Wash Bottles feature a wide mouth 53mm (2") for easy refilling. Bottles are pre-printed with the Chemical name and formula, the National Fire Protection Association (NFPA) Section 704 Four-color Diamond, health hazards, Chemical Abstract System (CAS) number, and suggested protective clothing and equipment. Leak-proof, these translucent* LDPE bottles have color-coded polypropylene closures to aid in quick and easy identification. **500ml - 4/bag, 6 bags/case † 1000ml - 4/bag, 3 bags/case.**

**Note: Sodium Hypochlorite bottle is white LDPE for light-protection between 230 and 450nm. Toluene is red LDPE bottle.*

LDPE PP

CATALOG NO.	LABEL	CAP COLOR	CAPACITY
F11716-0050	Assortment (6 pc) †		500ml (16oz)
F11716-0001	Acetone	Red	500ml (16oz)
F11716-0002	Dichloromethane	Yellow	500ml (16oz)
F11716-0003	Deionized Water	Blue	500ml (16oz)
F11716-0004	Distilled Water	Blue	500ml (16oz)
F11716-0019	Ethanol	Natural	500ml (16oz)
F11716-0020	70% Ethanol	Green	500ml (16oz)
F11716-0007	Ethyl Acetate	Green	500ml (16oz)
F11716-0008	Isopropanol	Yellow	500ml (16oz)
F11716-0009*	LYOB (Label Your Own Bottle)	Natural	500ml (16oz)
F11716-0010	Machine Oil	Natural	500ml (16oz)
F11716-0011	Methanol	Green	500ml (16oz)
F11716-0012	Methyl Ethyl Ketone (MEK)	Green	500ml (16oz)
F11716-0013	Saline Solution	Natural	500ml (16oz)
F11716-0014	Soap	Blue	500ml (16oz)
F11716-0015	Sodium Hypochlorite (Bleach)	Yellow	500ml (16oz)
F11716-0016	Toluene	Red	500ml (16oz)
F11716-0017	Water	Blue	500ml (16oz)
F11732-0001	Acetone	Red	1000ml (32oz)
F11732-0004	Distilled Water	Blue	1000ml (32oz)
F11732-0019	Ethanol	Natural	1000ml (32oz)
F11732-0008	Isopropanol	Yellow	1000ml (32oz)
F11732-0009*	LYOB (Label Your Own Bottle)	Natural	1000ml (32oz)
F11732-0011	Methanol	Green	1000ml (32oz)
F11732-0015	Sodium Hypochlorite (Bleach)	Yellow	1000ml (32oz)

*† Assortment is 6 pcs., 4 assortments per case. Includes one each: Acetone, Bleach, Distilled Water, Ethanol, Isopropanol, and LYOB. *Note: Use LYOB only with solvents compatible with LDPE.*

SHOP www.belart.com

NEW PRODUCT!



Safety vent eliminates dangerous drips! Can be dispensed upright or inverted.



4-Color Wash Bottles – Right-to-Know, Safety-Vented™ and Safety-Labeled, Wide-Mouth

Same great features as the RTK Safety-Labeled Wash Bottles, with the addition of our unique valve that prevents pressure build-up inside the bottle, eliminating potentially dangerous drips. This valve allows dispensing of wash bottle in an upright or inverted position. These RTK bottles are pre-printed with the Chemical name and formula, the National Fire Protection Association (NFPA) Section 704 Four-color Diamond, health hazards, Chemical Abstract System (CAS) number, and suggested protective clothing and equipment. **250 & 500ml - 4/bag, 6 bags/case † 1000ml - 2/bag, 6 bags/case.**

**Note: Sodium Hypochlorite bottle is white LDPE for light-protection between 230 and 450nm. Toluene is red LDPE bottle.*

LDPE PP

CATALOG NO.	LABEL	CAP COLOR	CAPACITY
F11808-0050	Assortment (6 pc) †		250ml (8oz)
F11808-0001	Acetone	Red	250ml (8oz)
F11808-0004	Distilled Water	Blue	250ml (8oz)
F11808-0019	Ethanol	Natural	250ml (8oz)
F11808-0008	Isopropanol	Yellow	250ml (8oz)
F11808-0009*	LYOB (Label Your Own Bottle)	Natural	250ml (8oz)
F11808-0011	Methanol	Green	250ml (8oz)
F11808-0015	Sodium Hypochlorite (Bleach)	Yellow	250ml (8oz)
F11816-0050	Assortment (6 pc) †		500ml (16oz)
F11816-0001	Acetone	Red	500ml (16oz)
F11816-0004	Distilled Water	Blue	500ml (16oz)
F11816-0019	Ethanol	Natural	500ml (16oz)
F11816-0007	Ethyl Acetate	Green	500ml (16oz)
F11816-0008	Isopropanol	Yellow	500ml (16oz)
F11816-0009*	LYOB (Label Your Own Bottle)	Natural	500ml (16oz)
F11816-0011	Methanol	Green	500ml (16oz)
F11816-0015	Sodium Hypochlorite (Bleach)	Yellow	500ml (16oz)
F11832-0001	Acetone	Red	1000ml (32oz)
F11832-0004	Distilled Water	Blue	1000ml (32oz)
F11832-0019	Ethanol	Natural	1000ml (32oz)
F11832-0008	Isopropanol	Yellow	1000ml (32oz)
F11832-0009*	LYOB (Label Your Own Bottle)	Natural	1000ml (32oz)
F11832-0011	Methanol	Green	1000ml (32oz)
F11832-0015	Sodium Hypochlorite (Bleach)	Yellow	1000ml (32oz)

*† Assortment is 6 pcs., 4 assortments per case. Includes one each: Acetone, Bleach, Distilled Water, Ethanol, Isopropanol, and LYOB. *Note: Use LYOB only with solvents compatible with LDPE.*

SHOP www.belart.com



2-Color Wash Bottles – Safety-Labeled, Wide-Mouth

Informative Labeling! Available in 16oz or 32oz!

Bel-Art's Safety Labeled wash bottles include a 53mm wide polypropylene closure with leakproof design for dispensing your most common solvents. Easy-to-read, LDPE solvent-resistant, printed bottles include: Department of Transportation (DOT) and National Fire Protection Association (NFPA) codes and symbols, Chemical Abstract Service (CAS) number, protective equipment symbols and target organ information, making your workplace a safer place. **6 per bag, 2 bags per case.**

**Note: Sodium Hypochlorite bottle is white LDPE for light-protection between 230 and 450nm. Toluene is red LDPE bottle.*

LDPE PP

CATALOG NO.	LABEL	CAP COLOR	CAPACITY
F11646-0050	Assortment †		500ml (16oz)
F11646-0622	Acetone	Red	500ml (16oz)
F11646-6250	Dichloromethane	Yellow	500ml (16oz)
F11646-0631	Deionized Water	Blue	500ml (16oz)
F11646-0620	Distilled Water	Blue	500ml (16oz)
F11646-0639	Ethanol	Natural	500ml (16oz)
F11646-0640	70% Ethanol	Green	500ml (16oz)
F11646-0612	Ethyl Acetate	Green	500ml (16oz)
F11646-0624	Isopropanol	Yellow	500ml (16oz)
F11646-0638*	LYOB (Label Your Own Bottle)	Natural	500ml (16oz)
F11646-0459	Machine Oil (No Diamond)	Natural	500ml (16oz)
F11646-0623	Methanol	Green	500ml (16oz)
F11646-0611	Methyl Ethyl Ketone (MEK)	Green	500ml (16oz)
F11646-0617	Saline Solution (No Diamond)	Natural	500ml (16oz)
F11646-0614	Soap (No Diamond)	Blue	500ml (16oz)
F11646-0627	Sodium Hypochlorite (Bleach)	Yellow	500ml (16oz)
F11646-0628	Toluene	Red	500ml (16oz)
F11646-0621	Water	Blue	500ml (16oz)
F11646-2232	Acetone	Red	1000ml (32oz)
F11646-6032	Distilled Water	Blue	1000ml (32oz)
F11646-3739	Ethanol	Natural	1000ml (32oz)
F11646-2432	Isopropanol	Yellow	1000ml (32oz)
F11646-3832*	LYOB (Label Your Own Bottle)	Natural	1000ml (32oz)
F11646-1132	Methyl Ethyl Ketone (MEK)	Green	1000ml (32oz)

† Assortment includes one each: Acetone, Ethanol, Isopropanol, Methanol, Toluene and Water.

**Note: Use only with solvents compatible with LDPE.*

Valve Allows Dispensing Even When Bottle is Inverted!



Eliminate potentially dangerous drips with these easy-to-assemble, Safety-Vented Labeled Wash Bottles.



2-Color Wash Bottles – Safety-Vented™ and Safety Labeled, Wide-Mouth

Wide-Mouth; Eliminates Dangerous Drips

A unique, 2-piece valve prevents pressure build-up of solvents within the wash bottle and allows dispensing with bottle upright or inverted. Volatiles are vented eliminating solvent drips. Bottles are low-density polyethylene with polypropylene closures and venting assembly. Labeled with six of the most commonly used solvent names or label your own. Custom labeling is available. **3 per bag.**



LDPE PP

CATALOG NO.	LABEL	CAP COLOR	CAPACITY
F11643-0222	Acetone	Red	250ml (8oz)
F11643-0239	Ethanol	Natural	250ml (8oz)
F11643-0224	Isopropanol	Yellow	250ml (8oz)
F11643-0238*	LYOB (Label Your Own Bottle)	Natural	250ml (8oz)
F11643-0223	Methanol	Green	250ml (8oz)
F11642-0622	Acetone	Red	500ml (16oz)
F11642-0639	Ethanol	Natural	500ml (16oz)
F11642-0612	Ethyl Acetate	Green	500ml (16oz)
F11642-0624	Isopropanol	Yellow	500ml (16oz)
F11642-0638*	LYOB (Label Your Own Bottle)	Natural	500ml (16oz)
F11642-0623	Methanol	Green	500ml (16oz)

**Note: Use only with solvents compatible with LDPE.*

Custom Labeling Available Call 1-800-4BEL-ART

SHOP www.belart.com



Narrow-Mouth Wash Bottles

Natural or Colored Caps

Low-density polyethylene wash bottles offer different colors of polypropylene closures for quick, at-a-glance identification of contents. Choose from Natural, Red, Yellow, Blue and Green. Bulk quantities available by special order. **Per bag.**

LDPE PP

CATALOG NO.	CAP COLOR	CAPACITY	CLOSURE	CASE	BAG
F11613-0125	Red	125ml (4oz)	28mm	8 Bags	6
F11618-0004*	Natural	125ml (4oz)	28mm	6 Bags	12
F11613-0250	Red	250ml (8oz)	28mm	6 Bags	6
F11614-0250	Yellow	250ml (8oz)	28mm	6 Bags	6
F11615-0250	Blue	250ml (8oz)	28mm	6 Bags	6
F11617-0250	Green	250ml (8oz)	28mm	6 Bags	6
F11618-0008*	Natural	250ml (8oz)	28mm	6 Bags	12
F11613-0500	Red	500ml (16oz)	28mm	4 Bags	6
F11614-0500	Yellow	500ml (16oz)	28mm	4 Bags	6
F11615-0500	Blue	500ml (16oz)	28mm	4 Bags	6
F11617-0500	Green	500ml (16oz)	28mm	4 Bags	6
F11618-0016*	Natural	500ml (16oz)	28mm	3 Bags	12
F11613-1000	Red	1000ml (32oz)	38mm	3 Bags	4
F11614-1000	Yellow	1000ml (32oz)	38mm	3 Bags	4
F11615-1000	Blue	1000ml (32oz)	38mm	3 Bags	4
F11617-1000	Green	1000ml (32oz)	38mm	3 Bags	4
F11618-0032*	Natural	1000ml (32oz)	38mm	2 Bags	12

**The F11618 and F11620 wash bottles with natural closures are available in bulk quantities, please inquire.*

Red Wash Bottles

High Visibility, Red Color Alerts User of Hazard

The bright red color helps identify hazardous contents. Low-density polyethylene with polypropylene closure. **6 per bag.**



LDPE PP

A. Narrow-Mouth

CATALOG NO.	CAPACITY	CLOSURE	CASE
F11650-0008	250ml (8oz)	28mm	6 Bags
F11650-0016	500ml (16oz)	28mm	4 Bags

B. Wide-Mouth

CATALOG NO.	CAPACITY	CLOSURE	CASE
F11651-0016	500ml (16oz)	53mm	4 Bags

SHOP www.belart.com

Wide-Mouth Wash Bottles

Natural or Colored Caps

Low-density polyethylene wash bottles have color-coded polypropylene closures for easy identification and wide mouths for easy filling. Choose from: Natural, Red, Yellow, Blue, and Green in 250, 500 or 1,000ml. Natural also available in 125ml. **Per bag.**



LDPE PP

CATALOG NO.	CAP COLOR	CAPACITY	CLOSURE	CASE	BAG
F11620-0125*	Natural	125ml (4oz)	38mm	4 Bags	12
F11625-0250	Red	250ml (8oz)	38mm	6 Bags	6
F11626-0250	Yellow	250ml (8oz)	38mm	6 Bags	6
F11627-0250	Blue	250ml (8oz)	38mm	6 Bags	6
F11628-0250	Green	250ml (8oz)	38mm	6 Bags	6
F11620-0250*	Natural	250ml (8oz)	38mm	3 Bags	12
F11625-0500	Red	500ml (16oz)	53mm	4 Bags	6
F11626-0500	Yellow	500ml (16oz)	53mm	4 Bags	6
F11627-0500	Blue	500ml (16oz)	53mm	4 Bags	6
F11628-0500	Green	500ml (16oz)	53mm	4 Bags	6
F11620-0500*	Natural	500ml (16oz)	53mm	4 Bags	6
F11625-1000	Red	1000ml (32oz)	53mm	3 Bags	4
F11626-1000	Yellow	1000ml (32oz)	53mm	3 Bags	4
F11627-1000	Blue	1000ml (32oz)	53mm	3 Bags	4
F11628-1000	Green	1000ml (32oz)	53mm	3 Bags	4
F11620-1000*	Natural	1000ml (32oz)	53mm	4 Bags	3

**The F11618 and F11620 wash bottles with natural closures are available in bulk quantities, please inquire.*



Volume Labeled Narrow-Mouth Wash Bottle

Large Print Volume Indicator

Low-density polyethylene wash bottle is labeled in highly visible characters. One piece polypropylene cap and nozzle assembly. **12 per bag.**

LDPE PP

CATALOG NO.	CAPACITY	CLOSURE	CASE
F11618-1016	500ml (16oz)	28mm	3 Bags



Needle Spray Narrow-Mouth Wash Bottles

For an extra fine needle point spray, use these easy-to-squeeze low density polyethylene wash bottles. Can be labeled using Tech Pens, catalog numbers F13384, page 195. **12 per bag.**

LDPE PP

CATALOG NO.	CAPACITY	CLOSURE	CASE
F11621-0008	250ml (8oz)	28mm	6 Bags
F11621-0016	500ml (16oz)	28mm	3 Bags

SHOP www.belart.com



Wash Bottle Carrier

Easily Transport 8 or 16oz. Bottles

Safely and conveniently transport up to 6 wash bottles in this sturdy, lightweight polypropylene carrier. Its secure handle affords both comfort and control. Autoclavable at 121ºC (250ºF) and chemical resistant. Holds 250ml (8oz) or 500ml (16oz) bottles. 28.6 x 19.4 x 22.5cm high (11¼ x 7⅝ x 8⅛").

PP A

CATALOG NO.	HOLE DIAMETER
F11640-0001	*7.4cm (2.91")*

Bottle Carrier

This bottle carrier is made of ¼" thick high-density polyethylene. It is 36 x 18 x 15cm H (14 x 7 x 6"H), with a 25.4mm (1") diameter handle. Divider sold separately. Each compartment measures 8.5 x 8.5cm (3⅜ x 3⅜").



HDPE

CATALOG NO.	DESCRIPTION
F16963-0000	*Without partitions*
F16962-0006	*6 compartment divider insert*



Two Bottle Carrier

This two bottle carrier is made of ¼" thick high-density polyethylene. It is 23 x 10 x 39cm H (9 x 4 x 15¼"H), with a handle. Each compartment measures 4⅞" x 3½". *Bottles not included.*

HDPE

CATALOG NO.
F16962-0002

SHOP www.belart.com

Scienceware® bottles are available in a variety of shapes and sizes to meet all your storage and packaging needs



BOTTLES CAN BE PURCHASED IN BULK QUANTITIES. Custom sizes and special high impact-resistant caps (for Precisionware® Bottles) are also available by special order. Please call 1-800-4BEL-ART for quotes.

Precisionware® Narrow-Mouth Bottles – Autoclavable Polypropylene



FDA Compliant Material

Ideal for pharmaceutical or similar type packaging, these translucent bottles are Boston round in style and molded from FDA compliant material. Matched polypropylene caps have a ring-seal design for a perfect, leakproof fit and are ribbed for torque-closure and easy opening. Deep square threads withstand vibration and help prevent closure back-off during shipping. Inner bottle surfaces are smooth and rounded for easy cleaning and thorough emptying. Underside of bottle lists volume, material and includes an indexing notch. Recycling codes listed on 500 and 1000 ml bottles. Autoclavable to 121ºC (250ºF). Do not autoclave with caps in place. **12 per bag except 1000ml, 6 per bag.**

PP A

CATALOG NO.	CAPACITY	CLOSURE	CASE
F10631-0007	*500ml (16oz)*	*38mm*	*4 Bags*
F10631-0008	*1000ml (32oz)*	*38mm*	*4 Bags*

SHOP www.belart.com



Precisionware® Narrow-Mouth Bottles – Low-Density Polyethylene

FDA Compliant Material

Translucent flexible bottles with leakproof design and matched polypropylene closures offer greater visibility than HDPE bottles. Perfect for sampling and general storage of liquids, powders or viscous fluids. Bottles 250ml (8oz) and larger feature recycling code molded into base. **12 per bag except 1000ml, 6 per bag**

LDPE PP

CATALOG NO.	CAPACITY	CLOSURE	CASE
F10621-0015	125ml (4 oz)	28mm	6 Bags
F10621-0016	250ml (8oz)	28mm	6 Bags
F10621-0007	500ml (16oz)	28mm	4 Bags
F10621-0008	1000ml (32oz)	38mm	4 Bags

Precisionware® Narrow-Mouth Bottles – High-Density Polyethylene



FDA Compliant Material

Rigid high-density polyethylene, laboratory/pharmaceutical grade bottles have matched polypropylene closures and leakproof design. They are ideal for packaging and storage of liquids and powders. Bottles 250ml (8oz) and larger feature recycling code molded into base. **12 per bag except 1000ml, 6 per bag.**

HDPE PP

CATALOG NO.	CAPACITY	CLOSURE	CASE
F10620-0015	125ml (4oz)	28mm	6 Bags
F10620-0016	250ml (8oz)	28mm	6 Bags
F10620-0007	500ml (16oz)	28mm	4 Bags
F10620-0008	1000ml (32oz)	38mm	4 Bags



Wide-Mouth Gallon Bottle

Foam Lined Polypropylene Screw Caps

High-density polyethylene bottle with foam lined polypropylene cap offers excellent chemical and impact resistance. **Per each, 4 per case.**

HDPE PP

CATALOG NO.	CAPACITY	CLOSURE
F10638-1010	4000ml (1 gallon)	89mm

SHOP www.belart.com

Precisionware® Wide-Mouth Bottles – Autoclavable Polypropylene



Easy Filling and Pouring; FDA Compliant Material

Translucent bottles are Boston round in style and perfect for pharmaceutical or similar packaging of both liquid and dry materials. Matched polypropylene caps have a ring-seal design for a perfect, leakproof fit and are ribbed for torque-closure and easy opening. Deep square threads withstand vibration and help prevent closure back-off during shipping. Bottle surfaces are smooth and rounded for easy cleaning and thorough emptying. Underside of bottle lists volume, material and includes an indexing notch. Recycling codes listed on 500 and 1000 ml bottles. Autoclavable at 121ºC (250ºF). Do not autoclave with caps in place. **12 per bag except 1000ml, 6 per bag.**

PP A

CATALOG NO.	CAPACITY	CLOSURE	CASE
F10632-0005	125ml (4 oz)	38mm	6 Bags
F10632-0006	250ml (8oz)	45mm	6 Bags
F10632-0007	500ml (16oz)	53mm	4 Bags
F10632-0008	1000ml (32oz)	63mm	4 Bags



Precisionware® Wide-Mouth Bottles – Low-Density Polyethylene

Easy Filling and Pouring; FDA Compliant Material

Translucent, flexible bottles with leakproof design and matched polypropylene closures offer greater visibility than HDPE bottles. Made of FDA compliant material, their wide mouth design makes general storage of liquids and powders simple. Bottles 250ml (8oz) and larger feature recycling code molded into base. **12 per bag except 1000ml, 6 per bag.**

LDPE PP

CATALOG NO.	CAPACITY	CLOSURE	O.D.	CASE
F10626-0005	125ml (4oz)	38mm	1.9"	6 Bags
F10626-0006	250ml (8oz)	45mm	2.3"	6 Bags
F10626-0007	500ml (16oz)	53mm	2.84"	4 Bags
F10626-0018	1000ml (32oz)	53mm	3.56"	4 Bags

SHOP www.belart.com



Precisionware® Wide-Mouth Bottles – High-Density Polyethylene

Easy Filling and Pouring; FDA compliant material

Rigid high-density polyethylene, laboratory/pharmaceutical grade bottles have matched polypropylene closures and leakproof design. Made of FDA compliant material, their wide mouth design simplifies the packaging and storing of liquids and powders. Bottles 250ml (8oz) and larger feature recycling code molded into base. **12 per bag except 1000ml, 6 per bag.**

HDPE PP

CATALOG NO.	CAPACITY	CLOSURE	BOTTLE O.D.	CASE
F10625-0005	125ml (4oz)	38mm	1.9"	6 Bags
F10625-0006	250ml (8oz)	45mm	2.3"	6 Bags
F10625-0007	500ml (16oz)	53mm	2.84"	4 Bags
F10625-0018	1000ml (32oz)	53mm	3.56"	4 Bags

Wide-Mouth Bottles – Heavy Duty Closure

Proven Dependability

Low-density polyethylene bottles with a heavy threaded, self sealing screw cap closure provide reliability when storing, shipping, and handling materials in both liquid and powder form. **Note: 5,000 and 10,000ml sizes are made of high-density polyethylene and have an octagonal shape. They are not leakproof and are best used for dry materials.* **Per bag.**



LDPE HDPE

CATALOG NO.	CAPACITY	DIAMETER	CLOSURE	HEIGHT	BAG
F10906-0050	50ml	39mm	24mm	78mm	12
F10906-0100	100ml	48mm	24mm	100mm	12
F10906-0200	200ml	59mm	31mm	115mm	12
F10906-0250	250ml	64mm	31mm	127mm	12
F10906-0500	500ml	77mm	39mm	160mm	6
F10906-1000	1000ml	95mm	50mm	210mm	6
F10906-1500	1500ml	108mm	50mm	230mm	3
F10906-2000	2000ml	120mm	50mm	255mm	3
F10906-5000*	5000ml	192mm	110mm	235mm	Each
F10906-0010*	10,000ml	232mm	110mm	310mm	Each

SHOP www.belart.com

Write-On™ Bottles



Simplify Labeling

Molded of rugged high-density polyethylene in 500 and 1000ml (16 & 32oz) sizes, these bottles are available as narrow (28mm) or wide mouth (53mm) and have leakproof polypropylene caps. Screened labels include a name identification area and a large detail area for contents or safety information, as well as a defined space for date information. Ideal for storing and transporting liquids or dry material. **Per bag.**

HDPE PP

CATALOG NO.	CAPACITY	BAG
F10660-0500	500ml (16oz) Narrow Mouth	12
F10660-1000	1000ml (32oz) Narrow Mouth	6
F10662-0500	500ml (16oz) Wide Mouth	12
F10662-1000	1000ml (32oz) Wide Mouth	6



Mason Jars – Wide-Mouth

Heavy Duty Leakproof Storage

Highly shock resistant polypropylene, heavy-walled Mason Jars are ideal for industrial waste sampling, long term storage and a variety of laboratory uses. They have standard 70mm, G-threaded necks, and screw caps with unique grip lugs and removable leakproof silicone rubber ring seal. Cap and jar are steam autoclavable at 121ºC (250ºF). Loosen cap when autoclaving. **Per bag.**

SILICONE RUBBER PP A

CATALOG NO	CAPACITY	OUTSIDE DIAMETER	HEIGHT	CASE	BAG
F10913-0000	½ L (1 pt)	81mm (3.19")	135mm (5.3")	4 Bags	6
F10914-0000	1 L (1 qt)	100mm (3.93")	178mm (7.0")	4 Bags	6
F10915-0000	2 L (½ gal)	125mm (4.92")	213mm (8.38")	4 Bags	3
F10916-0000	4 L (1 gal)	149mm (5.87")	286mm (11.25")	3 Bags	2
F10917-0000	8 L (2 gal)	188mm (7.40")	334mm (13.13")	6 Each	1

Mason Jar Cap

70mm O.D. “G” screw caps fit standard Mason Jars. Includes grip lugs and removable leakproof seal ring. **12 per bag, 12 dozen per case.**

SILICONE RUBBER PP A

CATALOG NO.
F12640-0000

SHOP www.belart.com



Small Bottle

This small polyethylene bottle with screw cap is ideal for storing powders or liquids. The 13/425 black phenolic cap forms an exceptionally tight seal and offers a good chemical barrier. 22mm diameter x 41mm H (0.86 x 1.61"). **12 per bag. 6 bags per case.**

PE

CATALOG NO.	CAPACITY	CLOSURE	DIAMETER	HEIGHT
F10605-0005	*6ml (0.20oz)*	*13mm (0.51")*	*22mm (0.86")*	*41mm (1.61")*

Buttress Cap Bottles

Low-density polyethylene bottle comes with a water tight high-density polyethylene buttress screw cap with a 38/430 finish. Includes a ring between the cap and shoulder for holding a shrink wrapped cap sleeve. **12 per bag.**



LDPE HDPE

CATALOG NO.	CAPACITY	CLOSURE	DIAMETER	HEIGHT	CASE
F10611-0016	*500ml (16oz)*	*38mm*	*73mm (2.9")*	*199mm (7.8")*	*3 Bags*
F10611-0032	*1000ml (32oz)*	*38mm*	*91mm (3.6")*	*236mm (9.3")*	*2 Bags*



Pouring Spout

Finger Tip Control

Made to fit 38mm tall buttress closure bottles (above), this chemical resistant, high-density polyethylene spout has a small air hole that allows finger tip control of pouring speed. **12 per bag, 6 bags per case.**

HDPE

CATALOG NO.	FITS
F12628-0000	*38mm Buttress Bottles*

SHOP www.belart.com

Square Bottles

Maximize Limited Shelf Space

Leakproof, chemical resistant bottles have heavy-threaded necks and tamper-proof, tear-lock closures. Molded of high-density polyethylene with deep-shelled, blue polypropylene closures, they are ideal for storing or shipping samples. **6 per bag.**



HDPE PP

CATALOG NO.	CAPACITY	CLOSURE	WIDTH	HEIGHT
F10904-0500	500ml	43mm	75mm	158mm
F10904-1000	1000ml	43mm	85mm	207mm

Square Bottles Help to Save Valuable Work Space



Square Edge, Wide-Mouth Bottles – Polystormor™

Space Efficient Shape

These high-density polyethylene bottles with polypropylene screw closures store more samples or chemicals in limited shelf space than round bottles. Their shape makes them ideal shipping containers. **Per bag.**

HDPE PP

CATALOG NO.	CAPACITY	CLOSURE	CASE	BAG
F10640-0004	125ml (4oz)	38mm	6 Bags	12
F10640-0008	250ml (8oz)	43mm	4 Bags	12
F10640-0016	500ml (16oz)	43mm	2 Bags	12
F10640-0032	1000ml (32oz)	53mm	2 Bags	6

Spray Pump Bottles

Fine Mist Spray

Low-density plunger style polyethylene bottle includes clear cap to help prevent evaporation and accidental leaks. Available in two sizes. **12 per bag.**



LDPE

CATALOG NO.	CAPACITY	CASE
F11633-0000	250ml (8oz)	6 Bags
F11634-0000	500ml (16oz)	3 Bags

SHOP www.belart.com



Indicator Bottles

Ideal for Staining Slides

Double duty low density polyethylene bottles can be used as squirt bottles with the supplied tube and as dropper bottles when the tube is removed. Excellent for use with indicator solutions or dyes. **12 per bag.**

LDPE

CATALOG NO.	CAPACITY	HEIGHT	CASE
F11660-0000	15ml (½oz)	7.4cm (2.9")	6 bags
F11661-0000	30ml (1oz)	7.6cm (3.0")	6 bags
F11662-0000	60ml (2oz)	9.4cm (3.7")	6 bags

Dropper Bottles – Polystop™

Prevent Chipping of Glass Dropper upon Reinsertion

The dropper easily pulls free, while the polypropylene stopper remains snugly in the neck of the bottle, thus providing a safe return space for the dropper. The clear glass bottle has a ground T-neck, and the dropper has a soft vinyl bulb. Disassembles for easy cleaning.



CATALOG NO.	CAPACITY
F11604-0030	30ml (1oz)
F11604-0060	50ml (1.7oz)
F11604-0125	100ml (3.4oz)



Dispensing/Drop Bottles

Easy-Squeeze Bottle for Critical Drop Control

The sealer cap on these low density polyethylene dispenser bottles snaps on easily and continues to hold a tight seal even after repeated use. Tip opening is 0.76mm (0.030").**12 per bag.**

LDPE

CATALOG NO.	CAPACITY	CLOSURE	CASE
F11637-0012	15ml (½oz)	15mm	6 Bags
F11637-0001	30ml (1oz)	18mm	6 Bags
F11637-0002	60ml (2oz)	18mm	6 Bags
F11637-0004	125ml (4oz)	24mm	6 Bags
F11637-0006	185ml (6oz)	24mm	6 Bags
F11637-0008	250ml (8oz)	24mm	6 Bags
F11637-0016	500ml (16oz)	28mm	3 Bags

SHOP www.belart.com

Reagent/Acid Pump Dispenser



Excellent Flow Control for Dangerous Liquids

Aids in the transfer of acids and reagents and virtually eliminates accidental bottle breakage and spills. Squeeze the small plastic bottle to begin flow, and then press the pressure release button to immediately stop dispensing. Fits many 5 pint (80 fl. oz.) acid bottles, ½ and 1 gallon jugs, 2.5 and 4 liter bottles, and similar bottles with GPS No. 38-430 or 38-400 threaded necks (not included). Two adapters provided for short necks. **Per each, 12 per case.**

LDPE PP

CATALOG NO.
F11656-0000



Measure-Matic™ Dispenser

Measure Liquids from 5ml to 25ml Just By Squeezing the Bottle

Squeezing forces the desired volume of liquid through the tube and into the cup. When pressure is released, excess fluid returns into the bottle for spill free pouring. Polypropylene dispensing cup slides onto a polypropylene delivery tube which is set in a low-density polyethylene 500ml (16 oz) storage bottle. A supplied hollow stopper serves as a dust cover. **Per each, 6 per case.**

LDPE PP

CATALOG NO.
F11654-0000

Cleanware™ Bottle Brush



Swivel Head for Thorough Cleaning

Uniquely designed, swiveling pivot head enables thorough cleaning of bottles and flasks including difficult curves and corners. Natural bristles set in wood will not scratch glass. The swivel head fits through a 29/42 standard taper neck, or any non-tapered neck with a diameter of 24mm (1") or larger. Brush head is slightly convex, 45mm (L) x 21mm (W) with bristles 8mm long. Brush head is attached to hardwood handle 37cm long x 7mm diameter.

CATALOG NO.
F17068-0000

SHOP www.belart.com



Screw Cap Jars

White Polypropylene

White polypropylene jars and screw caps in an assortment of sizes are FDA approved and are excellent for storage of liquid or dry stock, or for use with samples. Note: Jars are autoclavable at 121˚C (250˚F). Screw caps, with PE foam lining, are not autoclavable. **12 per bag.**

PP

CATALOG NO.	CAPACITY	DIAMETER	I.D.	HEIGHT
H17906-0000	*14.8ml (½oz)*	*33mm (1.3")*	*27.0mm (1.06")*	*37.0mm*
H17908-0000	*29.6ml (1oz)*	*43mm (1.69")*	*35.5mm (1.40")*	*37.3mm*
H17910-0000	*118.0ml (4oz)*	*58mm (2.28")*	*51.0mm (2.00")*	*66.5mm*
H17911-0000	*236.6ml (8oz)*	*70mm (2.76")*	*62.0mm (2.44")*	*86.0mm*

Chemical Containers

Trusted to Transport Dust from the Moon

Great for storing small quantities of liquids or solids, these heavy-walled, injection molded polyethylene jars have even been used to transport dust samples from the moon. Easy-to-clean with a screw cap design featuring a leakproof inner seal. **6 per bag. Cases listed below.**



LDPE

CATALOG NO.	CAPACITY	O.D.	HEIGHT	CASE
H17870-0000	*5cc*	*22mm*	*33mm*	*6 Bags*
H17871-0000	*10cc*	*22mm*	*54mm*	*6 Bags*
H17872-0000	*30cc*	*32mm*	*65mm*	*6 Bags*
H17874-0000	*90cc*	*52mm*	*69mm*	*6 Bags*
H17875-0000	*120cc*	*52mm*	*84mm*	*6 Bags*
H17876-0000	*180cc*	*52mm*	*114mm*	*4 Bags*

NEW PRODUCT!

Snap Cap Vials



Containers are rigid-wall styrene with tight fitting polyethylene snap-on caps. They are glass-clear for complete visibility, and are excellent for storing dry materials, powders, tablets, and more. They have heavy walls for long service and can be used at temperatures below 70°C (158°F). Available in nine (9) sizes from 3 dram (11ml) through 40 dram (148ml). **Per pack.**

PS PE

CATALOG NO.	SIZE	O.D.	HEIGHT	PACK
F17575-0003	3 dram (11ml)	0.79"	1.90"	144
F17575-0005	5 dram (19ml)	0.97"	1.97"	144
F17575-0007	7 dram (26ml)	1.15"	1.97"	144
F17575-0010	10 dram (37ml)	1.13"	3.21"	144
F17575-0013	13 dram (48ml)	1.32"	2.82"	144
F17575-0015	15 dram (55ml)	1.43"	2.44"	144
F17575-0020	20 dram (74ml)	1.66"	2.48"	144
F17575-0030	30 dram (111ml)	1.93"	2.92"	72
F17575-0040	40 dram (148ml)	1.94"	3.84"	72

Write-On™ Labeling Tape Is Ideal for Identifying Jar Contents, See Page 190-191



Sample Vials with Captive Closure

Cylindrical, low-density PE vials with friction-fit, captive closures open and close with a flick of your thumb. Excellent for storage of liquids as well as for storing and shipping dry materials. **12 per bag, 12 dozen per case.**

LDPE

CATALOG NO.	CAPACITY	O.D.	HEIGHT
F17570-0000	0.13ml	7.0mm	13.7mm
F17573-0000	3.73ml	15.00mm	50.0mm
F17574-0000	9.50ml	16.0mm	56.7mm

SHOP www.belart.com



Jug-Style Bottle with Handle

Lightweight and Durable

Practical 4 liter (1 gallon) jug made from high-density polyethylene is ideal for storage. Molded handle for easy carrying. Jug is 0.0375" thick, measures 16cm (6¼") in diameter and 29cm (11½") in height. Cap closures are 38mm. **12 per bag.**

HDPE

CATALOG NO.	CAPACITY	CASE
H10614-0001	*4 liters (1 gallon)*	*2 bags*

Book Bottle

Space Saver with Two Hand Holds

Unique, polypropylene book bottle stacks book-like on shelves for efficient use of space. In addition to the top handle, a convenient grip hold in the front facilitates removal from a shelf. Capacity is 5 liters (1.25 gallons). Graduated markings on front in liters.



PP

CATALOG NO.	CAPACITY	DIMENSIONS (L X W X H)
H10939-0005	*5 liters (1.25 gallons)*	*8.9 x 24.1 x 37.5cm (3⁵⁄₁₆ x 9½ x 14¾")*



Book Bottles with Spigot

Dispense Right from the Shelf

Polypropylene Book Bottle style container has a gasketed spigot threaded into the bottle. It requires only a ¼" turn from closed position to full open and has a 9.5mm (⅜") I.D. opening that extends from the front of the bottle by 58mm (2.3"). The bottle has a 43mm I.D. neck and features a leakproof seal plug as well as a screw cap. The front is graduated in liters. (Note: spigot has a rubber component that is incompatible with acetone and organic solvents.)

PP

CATALOG NO.	CAPACITY	DIMENSIONS (L X W X H)
H11862-0005	*5 liters (1.25 gallons)*	*8.5 x 24.1 x 37.4cm (3⅜ x 9½ x 14¾")*
H11862-0010	*10 liters (2.5 gallons)*	*16.5 x 24.1 x 37.4cm (6½ x 9½ x 14¾")*

SHOP www.belart.com

Carboys with Spigot

Lightweight and Durable

These polyethylene carboys have extra heavy walls for long life and dependability. They are lighter than glass, easy to handle and resistant to corrosive acids and alkalis. The spigot requires only a half turn to open or close. **Packed per each.**



HDPE

CATALOG NO.	CAPACITY	CASE
F11847-0010	*4 liters (1 gallon)*	*6 Each*
F11847-0020	*8 liters (2 gallons)*	*6 Each*
F11847-0050	*20 liters (5 gallons)*	*4 Each*
F11847-0065	*25 liters (6.5 gallons)*	*4 Each*



Autoclavable Carboys

One Hand Spigot Operation

Rugged carboys are 21 CFR 177.1520 compliant for direct contact with foods and beverages, and are USP Class VI certified for the demands of the biotechnology and pharmaceutical industries. Ideal for storing and dispensing large batches of culture media, distilled water and other solutions, they have excellent chemical resistance and large handles that help with transport. All components are FDA-grade polypropylene construction and are steam autoclavable at 121°C (250°F). When autoclaving, do not engage cap threads. The 83mm screw cap includes a built-in silicone gasket for positive seal. Molded-in bung accepts the easy-to-use spigot and is located low on carboy for more complete drainage. Available with or without spigot.

PP A

CATALOG NO.	DESCRIPTION
F11846-0025	*10 liters (2.5 gallons) with spigot*
F11846-0050	*20 liters (5.0 gallons) with spigot*
F10794-0025	*10 liters (2.5 gallons) without spigot*
F10794-0050	*20 liters (5.0 gallons) without spigot*
91184-6005	*Replacement spigot for F11846-0025 and F11846-0050*

SHOP www.belart.com



Carboy with Handle and Screw Cap

Polyethylene carboy has easy-grip handle and screw cap for leakproof shipping and storage.

LDPE

CATALOG NO.	CAPACITY	DIAMETER	HEIGHT	CLOSURE
F10795-0000	20 liters (5 gal)	28cm (10.90")	49.8cm (19.6")	83mm

Jerricans

Vented for Smooth Pouring

High-density polyethylene jerricans have a unique 20cm (8") long spout with a built-in air vent. The spout retracts into the threaded collar to conserve space, and the collar is sealed by a leakproof screw cap. An extra hand grip on the bottom gives positive control when pouring. The 5 gallon jerrican has a 2.5cm (1") I.D. pouring spout; other sizes have 1.9cm (¾") I.D. spouts. Graduated in U.S. gallons and liters, they have extra headspace for expansion of contents.



HDPE

CATALOG NO.	CAPACITY	WIDTH	DEPTH	CAP HEIGHT	CASE
H10935-0000	5 liters (1.25 gallons)	24cm (9.6")	13cm (5.5")	26cm (10")	12 Each
H10936-0000	10 liters (2.5 gallons)	26cm (10.07")	19cm (7.3")	36cm (14")	6 Each
H10937-0000	20 liters (5 gallons)	30cm (11.85")	25cm (9.36")	41cm (16")	6 Each

SHOP www.belart.com

Jerricans with Spigot

On-Shelf Dispensing

Space-saving, high-density polyethylene jerricans are great for dispensing without moving. With all the same features as the jerricans shown on page 42, these models have a smooth turning spigot that opens and closes with half a turn for easy convenient dispensing from a stationary position.



HDPE

CATALOG NO.	CAPACITY	CASE
F11859-0010	5 liters (1.25 gallons)	6 Each
F11859-0025	10 liters (2.5 gallons)	6 Each
F11859-0050	20 liters (5 gallons)	4 Each



Dispensing Jug

Dispense Directly from 5 Gallon Graduated Jug without Lifting or Moving

Use this 20 liter (5 gallon) jug with molded-in gradations (in gallons) to store and dispense common solutions, including janitorial cleaners, deionized / distilled water, or other aqueous liquids. Jug is made from strong and lightweight HDPE, while the gasketed and threaded LDPE spigot extends 125mm from jug and features a 35mm long stem for dispensing. The top opening is 70mm I.D. for fast re-filling and the built-in handle (45mm high) provides for easy transport. Dimensions: 25cm (9⅞") sq. x 38cm (15") high. Shipping weight 1.7kg (3.7lb). **Per each, 4 per case.**

HDPE LDPE

CATALOG NO.	CAPACITY
H11850-0000	20 liters (5 gallons)

Dispensing Jug Rack

Space-Saving Storage for Jugs, Jerricans and Bottles

This rugged, corrosion-resistant polyethylene rack has 5 shelves and is ideal for stacking four dispensing jugs (H11850) with a bottom shelf to hold a spare jug or other equipment. Each shelf is 26cm (10¼") high. Shipped flat, ready for easy assembly. Supports 91 kg (200lb) per rack, or 18kg (40lb) per shelf. Shipping weight 4.7kg (10.3lb). Bottles and jugs not included.



PE

CATALOG N0.	DIMENSIONS (L x W x H)
H11851-0000	39 x 35 x 152cm (15¼ x 13⅞ x 60")

SHOP www.belart.com



Safety Waste Jug

Easy Filling, Traps Fumes In

Features a screw-on funnel top with 12cm (4¾") diameter and is perfect for safe handling and temporary storage of spent solvents or other liquid wastes. A snap-on cap seals the funnel top to retain fumes. This high-density polyethylene jug is translucent for observing content level and includes a screw-top to seal container for safe transit. Graduated in US gallons, 20 liter (5gal) capacity. Closure is 45mm (1.8").

HDPE

CATALOG NO.	DIMENSIONS (L X W X H)
H11919-0000	*30 x 24.4 x 40.6cm (12 x 9⅝ x 16")*

Acid/Solvent Bottle Carriers

Two Styles Offer Complete Protection for Glass Bottles

Polyethylene carriers with epoxy coated, heavy-gauge steel wire bails have wide ribs in both the sides and on the bottom to support and cushion bottles. The cone style lid has a 16mm (⅝") opening in the top for insertion of tubing to simplify the transfer of liquids without pouring. The truncated style lid permits pouring without the removal of the lid. These carriers are designed to hold standard US reagent bottles. **Per each, 4 per case.**



PE

CATALOG NO.	STYLE	DIAMETER	HEIGHT	HOLDS BOTTLE
F16957-0000	*Cone*	*18cm (7⅛")*	*35cm (13½")*	*2.5 liter (5pints)*
F16958-0000	*Cone*	*20cm (8")*	*37cm (14⅜")*	*4 liter (1gallon)*
F16959-0000	*Truncated*	*18cm (7⅛")*	*32cm (12½")*	*2.5 liter (5pints)*
F16960-0000	*Truncated*	*20cm (8")*	*35cm (13⅜")*	*4 liter (1gallon)*

SHOP www.belart.com

Gas Washing Bottle with Fritware® Dispersion Disc



Practical and Economical

Graduated 250ml polypropylene cylinder with a stable extended base for use in precipitating elements from gas. Gas is dispersed through a removable fitting that has a coarse grade porosity, polyethylene dispersion disc. The silicone stopper holds 6.3mm (¼") O.D. tubes for entrance and exit of gas. 0.5 psi maximum pressure. **Per each, 6 per case.**

PP HDPE SILICONE RUBBER

CATALOG NO.	HEIGHT
H11030-0000	*27.3cm (10¾")*



Hydrometer Jar

Clear, unbreakable polycarbonate cylinder has a 245ml capacity and is 3.3cm I.D. x 30.5cm H (1⅝" x 12") with removable 4" polyethylene base. Hydrometer not included. **Per each, 6 per case.**

PE PC

CATALOG NO.	CAPACITY	DIMENSIONS (I.D. X H)
H17817-0000	*245ml*	*3.3 x 30.5cm (1⅝ x 12")*

Pipette Jars



For Cleaning and Storage

Store and soak pipettes in these leakproof, molded polyethylene Pipette Jars. Will withstand all common cleaning solutions at room temperature, including sulfuric acid/dichromate. 15.2cm (6") in diameter. For additional Pipette Cleaning Supplies, see page 249. **Per each, 4 per case.**

LDPE

CATALOG NO.	HEIGHT
F17130-0018	*46cm (18")*
F17130-0024	*61cm (24")*



Microcentrifuge Tube Ice Rack/Tray
Designed for Heavy Use; Process up to Fifty 1.5ml Tubes, Page 52



Poxygrid® 50ml Centrifuge Tube Racks
Basic, Must-Have Storage, Page 55



Lattice Support Stand
Extended Base Holds Three Support Rods, Page 62



PrepSafe™ Floating Microcentrifuge Tube Rack

Tabs Keep Samples in Place and Caps Closed Tight, Page 51
Magic Touch™ Ice Buckets, Page 184

SHOP www.belart.com



Microcentrifuge Tube

Can Be Opened and Closed Repeatedly

These micro sample tubes have a captive plug and will withstand the forces of a microcentrifuge. Polypropylene tubes are steam autoclavable at 121ºC (250ºF). **100 per bag, 10 bags per case.**

CATALOG NO.	MATERIAL	VOLUME	LENGTH	DIAMETER
F19929-0000	*Polypropylene*	*1.5ml*	*42mm*	*11mm*

Disposable Polypropylene Pestles and 1.5ml Tubes





Matched Shape for a Perfect Fit

These disposable pestles are 8.5cm (3½") long and are supplied with 1.5ml microcentrifuge tubes of the same shape. Excellent for resuspending bacterial cells, precipitates of nucleic acids or proteins and pellets of other materials. **100 per bag, 10 bags per case.**

CATALOG NO.	DESCRIPTION
F19923-0000	*100 Pestles and 100 1.5ml tubes*
F19923-0001	*100 Pestles Only*

For A Full Range of Life Science Products, See Pages 198-229





Microcentrifuge Tube Cutter

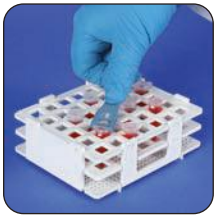
Accurately and Easily Cut Microcentrifuge Tubes

Safely and easily sections microcentrifuge tubes and eliminates the hazards of using razor blades or knives. The cutter makes it easy to retrieve radioactive pellets from the tips of tubes without resuspension or the risk of splashed radioactive substances. Works well with polyethylene or polypropylene microcentrifuge tubes up to 1.5ml. Not recommended for polystyrene tubes. Cutter has a chrome-plated body with replaceable steel blade. Maximum cut diameter is 9.4mm (0.370").

CATALOG NO.	DESCRIPTION
F21018-0000	*Microtube cutter*
F21018-0001	*Replacement blade*







Microcentrifuge Tube Opener

Open Tubes with One Hand

Easily open all sizes of microcentrifuge tubes with this double-ended tool. One end opens standard 1.5, 2 and 2.2ml tubes, while the other end has a forked blade that opens smaller sizes (250, 400 and 550µL). 7.9cm (3⅛") long. **3 per bag, 24 bags per case.**

CATALOG NO.
F19925-0001

SHOP www.belart.com



Vortexer Attachments for Microcentrifuge Tubes

Mix Contents of up to 20 Tubes at One Time

Securely holds 1.5ml microcentrifuge tubes in an 8 or 20 capacity disk for simultaneous vortexing. Tube contents are mixed by holding the shaft against the rubber pad of a vortexer. Made of polypropylene with a 16.5cm (6½") long Delrin® shaft and 2.54cm (1") diameter ball handle. **Packed per each, 6 per case.**

CATALOG NO.	FOR TUBES	PLACES
H37080-0008	1.5ml	8
H37080-0020	1.5ml	20

Round Floating Bubble Racks



Incubate up to 20 Microcentrifuge Tubes in a Beaker of Water

Made especially for use with beakers, these space-saving racks are ideal for small quantities of tubes and perfect for use in microbiology and immunology labs. They are molded of buoyant TPX® brand polymethylpentene with tiny bubbles throughout for additional buoyancy. Insert tubes from the top and easily remove them by pressing the rack down on the bench. Available in 10.8mm diameter holes to fit 1.5ml microcentrifuge tubes and 7.7mm holes to fit 0.5ml microcentrifuge tubes. Racks are 6.4mm (¼") thick with 19mm (¾") legs and a center rod handle. Steam autoclavable at 121° C (250°F). Can boil at 100°C (212°F) for 30 minutes. **Per each, 12 per case.**

CATALOG NO.	O.D.	PLACES	HOLE DIAMETER	FITS BEAKER SIZE
F18875-0400	66mm (2⅝")	8	10.8mm (7/16")	400ml
F18875-1000	95mm (3¾")	20	10.8mm (7/16")	1000ml
F18875-1600	95mm (3¾")	20	7.7mm (5/16")	1000ml

For Additional Floating Racks, See Pages 265-267

NEW PRODUCT!



PrepSafe™ Floating Microcentrifuge Tube Rack

Patent Pending

Protect your samples from loss and contamination. Hold 1.5ml or 2.0ml microcentrifuge tubes securely in a water bath, in an ice bucket, or on the benchtop. Immobilizing tabs allow tubes to be stored securely and ensure that the caps stay locked in place even if tipped over. This floating rack has 28 numbered locations so samples can be easily identified. Raised handle allows rack to be lifted without agitating samples. Steam autoclavable at 121ºC (250ºF).

PP A

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (DIAM. x H)
F18742-0001	*1.5/2.0ml*	*28*	*17.8cm (7") x 6.4cm (2½")*



Microcentrifuge Tube Ice Racks

For Temperature-Stabilized Benchtop Procedures or Storage

These two piece racks are molded of high-impact polystyrene. Use lower section of tray to hold water or ice flakes.

A. Holds 105, 400 µL microcentrifuge tubes or other tubes with a diameter of 8mm. Stackable. **Per each, 12 per case.**

PS

CATALOG NO.	DIMENSIONS (L x W x H)
H18901-0000	*21.6 X 12.4 X 6.7cm (8½ X 4⅞ X 2⅝")*

B. Holds 120, 1.5ml microcentrifuge tubes or other tubes with a diameter under 12mm. Not stackable. **Per each, 12 per case.**

PS

CATALOG NO.	DIMENSIONS (L x W x H)
H18907-0000	*40.6 x 14.3 x 5.7cm (16 x 5⅝ x 2¼")*

SHOP www.belart.com



Microcentrifuge Tube Ice Rack

Deep Tray Holds Plenty of Ice or Water for Extended Use Time

This two piece rack can accommodate up to fifty 1.5 ml tubes (or other tubes with a diameter less than 12 mm) for large volume benchtop processing. It has a deep tray to hold more ice and water for extended use time, a flat perimeter rim for labeling tape, and it can be safely stacked with identical racks when loaded or empty. Designed for long life and heavy usage, all parts are molded of sturdy polypropylene and are steam autoclavable at 121ºC (250°C). To further protect tubes during transport or storage while also maintaining stackability, an optional polypropylene cover is available. Dimensions: 23.1 x 13.3 x 7.3cm H (9⅛ x 5¼ x 2⅞" H). **Per each.**

CATALOG NO.	DESCRIPTION	CASE
H18905-0001	*Rack*	*12*
F18905-0011	*Rack Cover*	*N/A*

50ml Centrifuge Tube Refrigerator Racks



Heavy Duty, Deep Tray

This all-polypropylene rack provides efficient and extended cooling of twenty-eight 50ml centrifuge tubes in a chilled bath. It holds approximately 2 liters (67 ounces) of ice and water and allows the tubes to rest on the bottom for maximum stability and exposure to the bath. A flat perimeter rim provides space for labeling tape. Steam autoclavable at 121ºC (250ºF) and stackable with identical racks when full or empty. An optional polypropylene cover is available to protect tubes during transport or storage while maintaining stackability. Dimensions: 32 x 20 x 15cm H (12¾ x 7⅞ x 5⅞" H).

CATALOG NO.	DESCRIPTION
F18905-0050	*Rack*
F18905-0051	*Rack Cover*

For Microcentrifuge Racks, See the Rack Section on Pages 263-269

15ml Conical Centrifuge Tube with Rim

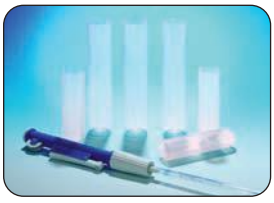


Excellent Chemical Resistance

Graduated, conical polyethylene tubes with rim. Outstanding chemical inertness and heat resistant up to 52ºC (125ºF). **12 per bag, 6 bags per case.**

PE

CATALOG NO.	CAPACITY	O.D.	LENGTH
F19841-0000	15ml	17mm	11.7cm



Rimless Centrifuge Tubes

Autoclavable

For use in centrifuges up to 50,000g without refrigeration. These polypropylene tubes are rimless, round-bottomed, and autoclavable at 121ºC (250ºF). **12 per bag, 12 bags per case.**

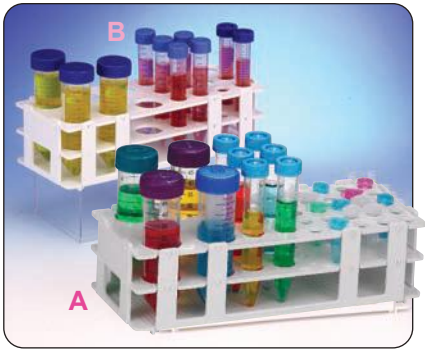
PP A

CATALOG NO.	CAPACITY	O.D.	LENGTH
F19807-0000	45ml	29mm	104mm
F19808-0000	90ml	32mm	162mm

No-Wire™ Multi-Tube Racks

Hold Popular Sizes of Centrifuge Tubes in One Rack

Choose from two space saving rack configurations, both styles accommodate round and conical bottom tubes. Made of white polypropylene, they are steam autoclavable at 121ºC (250ºF). Racks are shipped flat and assemble easily. Dimensions 24.6 x 10.4 x 6.4cm H (9 11/16 x 4⅛ x 2½"H). **Per each, 8 per case.**



PP A

CATALOG NO.	DESCRIPTION
F18745-3011	*A. Holds (4) 50ml, (7) 15ml, and (25) 1.5ml Centrifuge Tubes*
F18745-3017	*B. Holds (6) 50ml, and (12) 15ml Centrifuge Tubes*

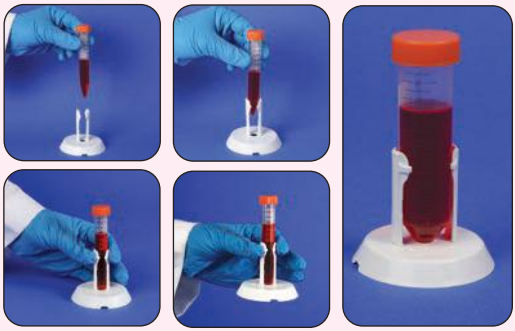
NEW PRODUCT!

SHOP www.belart.com

15ml and 50ml Clear View Conical Tube Holder

Two Tube Holders in One

Patent Pending



The most versatile tube holder on the market. Set-up takes just seconds and gives you the choice of creating a 15ml or a 50ml tube holder. Unlike other tube holders, the open uprights allow you to view the entire contents of the tube. No more guessing if there is liquid remaining in the conical bottom. Tube can be easily lifted from the holder, or pinch the uprights and carry the holder with the tube! Autoclavable polypropylene. **4 per bag.**

PP A

CATALOG NO.	DESCRIPTION
F18796-0000	*15ml and 50ml Conical Tube Holder*



Poxygrid® 50ml Conical Tube Holder

Durable and Economical

Formed of steel wire with epoxy coating, this holder supports the conical bottom of a single 50ml conical tube as well as at a half height location. Autoclavable.

A

CATALOG NO.	DIMENSIONS (W x H)
F18794-0003	*7.6 x 6.5cm (3 x 2 9/16")*

50ml Conical Tube Holders

Leave Hands Free for Pipetting and Other Critical Tasks



A. Non-Grip Style

Securely holds a 50ml conical centrifuge tube in place, and also allows the tube to be lifted freely from holder as needed. **5 per bag.**



B. Grip Style

Safely holds a 50ml tube in the base, which stays with the tube when it is lifted from the bench top. Tubes can easily be removed by holding the base and pulling the tube out. **5 per bag.**

PS

CATALOG NO.	DESCRIPTION	COLOR
F18795-0000	*Non-Grip style*	*White*
F18795-0001	*Grip style*	*Blue*

Poxygrid® 50ml Centrifuge Tube Racks



50ml Multiple Tube Holders

Made of steam autoclavable, epoxy-coated steel wire, these racks hold 50ml plastic centrifuge tubes in 30mm square holes. **Packed per each, 12 per case.**

A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F18794-0000	*8*	*8 x 14.9 x 9.2cm (3 3/16 x 5 7/8 x 3 5/8")*
F18794-0001	*16*	*15.6 x 14.9 x 9.2cm (6 1/8 x 5 7/8 x 3 5/8")*
F18794-0002	*36*	*22.9 x 22.3 x 8.9cm (9 x 8 7/8 x 3 1/2")*



Poxygrid® 250ml Centrifuge Tube Rack

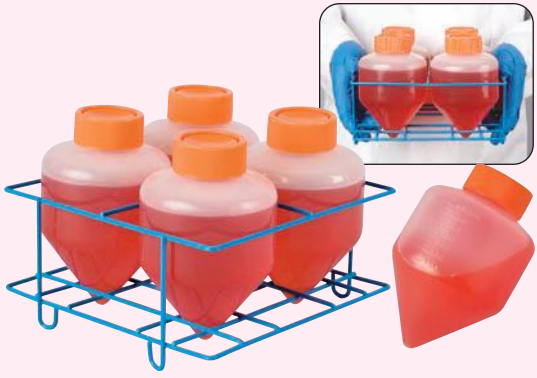
Supports Conical and Round Bottom Centrifuge Tubes

Holds large conical and round-bottom centrifuge tubes that cannot stand up by themselves (such as those made by Falcon®, Corning®, Nunc®, and Kimble®). The epoxy-coated steel wire rack is 10.2cm (4") high and has two levels of square grids to hold 6 tubes up to 250ml (60mm diameter).

A

CATALOG NO.	DIMENSIONS (L x W x H)
F19856-0250	*20.8 x 13.5 x 10.2cm (8 3/16 x 5 5/16 x 4")*

NEW PRODUCT!



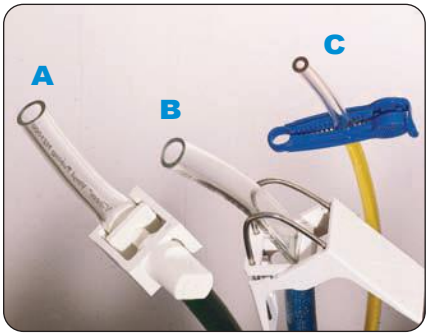
Poxygrid® 500ml Centrifuge Tube Rack

The only wire rack that holds 500ml conical centrifuge tubes. Support, transport and store up to four (4) 500ml conical bottom centrifuge tubes. Epoxy-coated steel wire. Steam autoclavable at 121°C (250°F).

A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F19856-0500	*4*	*20.3 x 20.3 x 7.6cm (8 x 8 x 3")*

SHOP www.belart.com



Tubing Clamps

A. Screw Clamp

Precise Control

Offers on/off and fine control so accurate that it replaces stopcocks in many applications. Can be installed without disconnecting tubing or interrupting operation. Molded of Delrin® plastic, the clamp is autoclavable and resistant to acids, alkalis and organic solvents. Accepts flexible tubing up to 14mm (½") O.D. **3 per bag.**

CATALOG NO.	FITS TUBING UP TO:
F18212-0000	*14mm (½") O.D.*

B. Spring Tubing Clamps

Squeeze Control

Perfect for all flexible tubing, this positive-action, self-closing clamp opens by squeezing the handles together. Made of chemical and stain-resistant Delrin® plastic and stainless steel. **3 per bag.**

CATALOG NO.	FITS TUBING UP TO:
H18213-0000	*8mm (5/16") O.D.*
H18214-0000	*12mm (15/32") O.D.*

C. Tubing Clamp

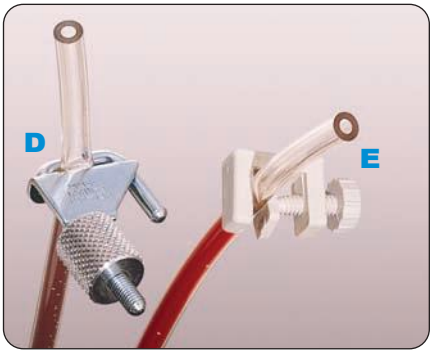
Serrated Jaws

Strong acetal plastic clamp provides secure closure on tubing with a wall of 0.82mm (1/32") or thinner. Slides over tubing at any point for easy installation and may be left open for convenient storage without constricting flow. It locks when closed and springs open when the locking tab is released. Jaws are 2.7cm (1 1/16") long; total length is 5.9cm (2 5/16") long. **12 per bag, 6 bags per case.**

CATALOG NO.	FITS TUBING UP TO:
F18218-0000	*0.82mm (1/32") Wall Thickness*

Use a Scienceware® Tubing Sizer to Select the Right Size Tubing, Page 154

SHOP www.belart.com



D. Swing Jaw™ Tubing Clamps

For All Flexible Tubing

Zinc-plated steel clamp provides a non-slip closure for all flexible tubing – even heavy-walled vacuum lines. A knurled nut compresses against a swinging jaw with smooth clamping surfaces. Can be installed and removed without disconnecting tubing. **3 per bag, 12 bags per case.**

STEEL

CATALOG NO.	FITS TUBING UP TO:
H18220-0000	*10mm (⅜") O.D.*
H18221-0000	*15mm (½") O.D.*
H18222-0000	*20mm (¾") O.D.*

E. Screw-Clamp Compressor

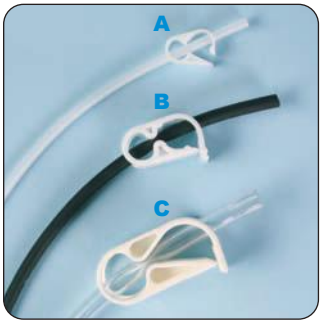
No-Slip Jaws

Strong, open-jaw type nylon tubing clamp accepts any tubing up to 6.4mm (¼") O.D. Angled jaws prevent tube from slipping out. **12 per bag, 6 bags per case.**

NYLON

CATALOG NO.	FITS TUBING UP TO:
F18225-0000	*6.4mm (¼") O.D.*

SHOP www.belart.com



Acetal Plastic Tubing Clamps

Acetal Clamps Will Not Distort, Rust or Corrode.
Select Clamp for Desired Tubing Size.

A. Mini Clamp

Single position on/off clamp gives positive shut-off with fingertip control. Use for thin-walled tubing under 4.7mm (3/16") O.D. **100 per bag, 10 bags per case.**

ACETAL

CATALOG NO.
F18227-0000

B. Mid-Range Clamp

15-position stepped adjustment controls flow from full open to complete closure. Fits tubing from 3.2 to 11mm (1/8 to 7/16") O.D. **12 per bag, 12 bags per case.**

ACETAL

CATALOG NO.
F18228-0000

C. Maxi Clamp

For tubing up to 19mm (3/4") O.D., this clamp has a 12-position ratchet control from full open to complete closure. **6 per bag, 6 bags per case.**

POLYESTER

CATALOG NO.
F18229-0000

Burette Clamp – Spring Action



Stainless Steel

The spring action, stainless steel jaws have a flat wing-head screw for tightening, are covered with rubber tubing for increased friction and a soft grip, and have an opening range of 0 to 25mm (1"). Overall clamp length is 22cm (9").

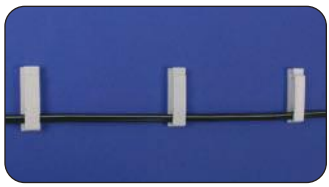
STAINLESS STEEL

CATALOG NO.
H18354-0000

For Automatic Burettes, See Page 252

SHOP www.belart.com

Wire and Tubing Clips



Klik Klip™ Clips Organize Your Wire and Tubing

Neatly holds 6.5mm (¼") diameter or smaller computer wires and tubing making identification and service easier. The non-conductive plastic clips mount on any flat surface with pressure sensitive adhesive backing. **6 per bag, 6 bags per case.**

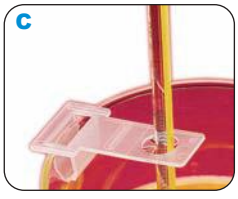
CATALOG NO.
F18234-0000

Clips for Beakers and Pitchers

Easy-to-use, polypropylene clips affix to the rim of a beaker or pitcher to hold tubing, dialysis bags or thermometers.







PP A

CATALOG NO.	DESCRIPTION	HOLDS	BAG/CASE PACKS
A. *F18235-0000*	*Tubing Holder*	*Up to 9.5mm (⅜") O.D.*	*6/6*
B. *F18237-0000*	*Dialysis Bag Holder*	*On rim up to ¼" thick*	*6/6*
C. *F18241-0000*	*Thermometer Holder*	*3.2mm (⅛") to 11mm (7/16") dia.*	*3/12*



Universal Implement Stand

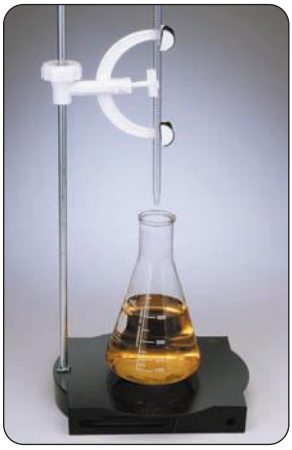
Keep Rounded Items from Rolling off the Bench

Secure pipettes, stirring rods, burettes, thermometers, pencils, and more in this handy holder with semi-circular notches. The stand is especially useful as a sterile hood tool. Molded of polypropylene, the support is 8.3cm (3 5/16") diameter x 5.9cm (2 3/16") high and is steam autoclavable at 121ºC (250ºF). **2 per bag, 12 bags per case.**

PP A

CATALOG NO.
F18973-0000

SHOP www.belart.com



Economy Support Stand

Sturdy and Stable Polycarbonate

Rust-proof, polycarbonate base has a 46 cm (18") tall, 7.9 mm (5/16") diameter stainless steel support rod secured to the base with two hex nuts. Offset rod mounts to the 20.8 cm (8 3/16") diameter base, leaving area for larger vessels. Useful temperature range +135ºC (275ºF) to -135ºC (-211ºF). Autoclave at 121ºC (250˚F). The unit is shipped unassembled. Shipping weight 1.7 lbs.

CATALOG NO.
F18302-0000

Heavy Duty Support Stand

Corrosion-Resistant Polypropylene

Three Positions to Place Rod

Excellent for use in severe corrosive conditions, this stand has no exposed metal parts. Measuring 21.5 x 40.5cm (8.5 x 16") x 5cm (1¾") thick, the base has a smooth surface for easy cleaning and weighs 2.5kg (5½ lbs) for stability. A 12.5mm (½") x 76cm (30") long rod can be screwed into the center of the base, or at either end, and has a deep thread and sturdy tightening knob.





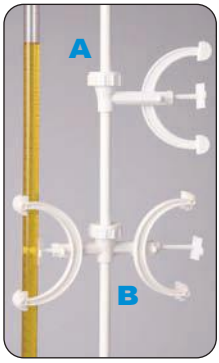
CATALOG NO.
H18303-0000

SHOP www.belart.com

Burette Clamps - Polypropylene

Graduations Are Always Visible

Non-corroding, polypropylene clamps hold burettes firmly in place. Center clamp tightens to a standard support rod (not included). 12.5mm (½") and 9.5mm (⅜") bushings included. **Per each, 12 per case.**



PP A

CATALOG NO.	DESCRIPTION
F18204-0000	*A. Single*
F18206-0000	*B. Double*



Chromatography Column Holder

Adjustable Height, Eight Places

Securely holds as many as eight chromatography columns up to 30mm (1 3/16") in diameter in or between its flexible loops. The rigid plastic back is mounted on two polyethylene support blocks which slide over support stand rods. Tighten the screws to mount the rack at the desired height. Requires two support rods and stands (H18303-0000 sold separately on opposite page) or can be wall-mounted by removing the support blocks from the back of the unit.

PE

CATALOG NO.	DIMENSIONS (L x W)
F18202-0000	*31.1 x 6.4cm (12¼ x 2½")*

SHOP www.belart.com

NEW PRODUCT!



Lattice Support Stand

Expand Your Options in the Laboratory

The Lattice Support Stand has an extended base and three, evenly spaced, rigid aluminum support rods to provide maximum capacity of small lightweight items such as glassware, as well as heavy items such as mechanical stirrers. The weighted polypropylene base is excellent for use in severe corrosive conditions, is stain resistant and provides maximum stability. The three solid aluminum rods are securely screwed into the base and will not wear with everyday use of clamps. Horizontal rods sold separately (below). Ideal for use with Bel-Art Clamps (H18354-0000, page 58, and H18350-0000 below).

PP

CATALOG NO.	DESCRIPTION
F38994-0000	*Lattice Support Stand*
F38994-0100	*Aluminum Horizontal Rod, 72.5 x 1.25cm (28½ x ½")*

Bosshead

Rod Holder

This open-sided stainless steel bosshead accepts rods up to 13mm (½") diameter. Rods are held at right angles to one another and secured with flat wing-head clamping screws.



STAINLESS STEEL

CATALOG NO.
H18350-0000

Use the Hot Hand® Protector to Grasp Hot or Cold Objects, See Page 314

SHOP www.belart.com

NEW PRODUCT!

Imhoff Cone and Separatory Funnel Rack



Adjustable Height and Centers
Holds a Wide Range of Funnel Sizes

Separatory Funnel Rack has two adjustable support tiers that can be independently adjusted to any height on 73.6cm (29") rods. The diameters of the eight funnel locations are also adjustable with included insert clips to accept a wide range of funnel sizes up to 9.8cm (3⅞").Fully extended, the rack measures 20.3 x 48.9 x 50.8cm (8 x 19¼ x 20") high. Four feet extend from the base for stability and have holes for permanent mounting.

Additional Separatory Funnel Rack available on page 288.

HDPE

CATALOG NO.	DESCRIPTION
H18967-0000	*Imhoff Cone and Separatory Funnel Rack*
H18967-0002	*12 Replacement Insert Clips*

For Separatory Funnels, see page 142; Imhoff Cones available on page 144



Funnel Holder

Supports Several Funnel Sizes

Non-corrosive polypropylene funnel holder and clamp includes two bushings for 12.7mm (½") or 9.5mm (⅜") diameter support rod. Outer ring supports 76 to 152mm (3 to 6") top diameter funnels; removable inner ring holds smaller funnels from 25 to 76mm (1 to 3") top diameter. **12 per case.**

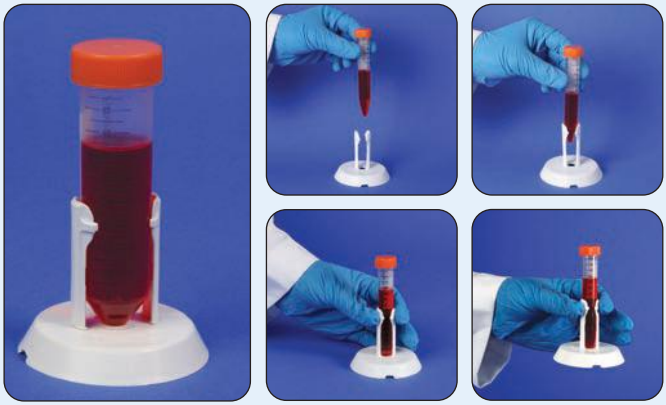
PP

CATALOG NO.	DESCRIPTION
F18242-0000	*Holds two funnels 25 to 125mm*

The Filters and Funnels Section Features a Complete Line of Scienceware® Funnels, See Pages 134-145

SHOP www.belart.com

NEW PRODUCT!



15ml and 50ml Clear View Conical Tube Holder

Easily Remove Tube or Carry in Holder

Patent Pending

The most versatile tube holder on the market. Setup takes just seconds and gives you the choice of creating a 15ml or a 50ml tube holder. Unlike other tube holders, the open uprights allow you to view the entire contents of the tube. No more guessing if liquid remains in the conical bottom. Tube can be easily lifted from the holder, or pinch the uprights and carry the holder with the tube. **4 per bag.**

PP A

CATALOG NO.
F18796-0000

50ml Conical Tube Holders

Leave Hands Free for Pipetting and Other Critical Tasks

A



A. Non-Grip Style

Securely holds a 50ml conical centrifuge tube in place, and also allows the tube to be lifted freely from holder as needed. **5 per bag.**

B



B. Grip Style

Safely holds a 50ml tube in the base, which stays with the tube when it is lifted from the bench top. Tubes can easily be removed by holding the base and pulling the tube out. **5 per bag.**

PS

CATALOG NO.	DESCRIPTION	COLOR
F18795-0000	*Non-Grip style*	*White*
F18795-0001	*Grip style*	*Blue*

SHOP www.belart.com

NEW PRODUCT!



Patent Pending





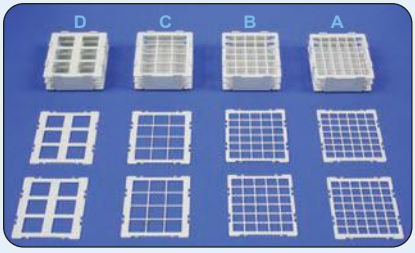
Adjustable Elution Racks

Perform as many as 42 elutions in one rack, saving valuable bench space. Eliminate the time and space consuming set-up of multiple support rods and stands with this rack that simultaneously supports both elution columns and collection tubes. The height of the rack can be quickly adjusted to accommodate various length elution columns. Conversion kits are available to adapt any of these racks to fit a variety of tube sizes (13mm, 16mm, 25mm and 30mm). Steam autoclavable at 121°C (250°F).

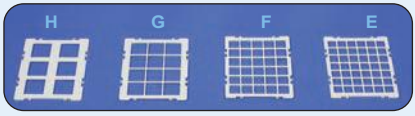
CATALOG NO.	DESCRIPTION	PLACES
F18882-0001	*Adjustable Elution Rack, 13mm*	*42*
F18882-0002	*Adjustable Elution Rack, 16mm*	*30*
F18882-0003	*Adjustable Elution Rack, 25mm*	*12*
F18882-0004	*Adjustable Elution Rack, 30mm*	*6*

Adjustable Elution Rack Accessories

Conversion Kits



Single Replacement Grids



Conversion Kits

CATALOG NO.	GRID FITS TUBE	PLACES
A. F18882-0005	*13mm*	*42*
B. F18882-0006	*16mm*	*30*
C. F18882-0007	*25mm*	*12*
D. F18882-0008	*30mm*	*6*

Single Replacement Grids

CATALOG NO.	GRID FITS TUBE	PLACES
E. F91888-2013	*13mm*	*42*
F. F91888-2016	*16mm*	*30*
G. F91888-2025	*25mm*	*12*
H. F91888-2030	*30mm*	*6*

SHOP www.belart.com



A. Triple Holder Clamp



B. Single Holder Clamp

28mm (1")



C. Extender



D. Utility Tray

(Single Holder Clamps Sold Separately)





Pipettor Holder System - PiRack®

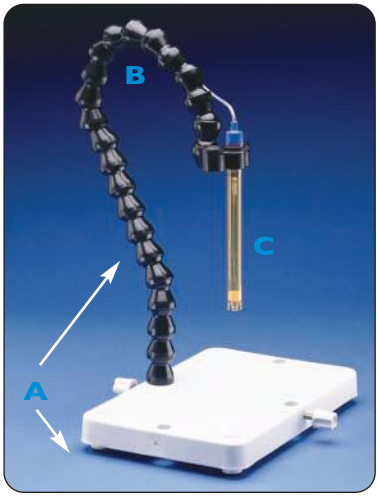
Mix and Match Components to Suit Your Needs

This polypropylene system is strong enough to support the weight of even the heaviest pipettor. Hold a single pipette with one clamp or add a triple clamp or extenders to increase the number of holders at a work location. The utility tray, which mounts between two clamps, is ideal for storing pipetting supplies or other small items. It is perfectly sized for Scienceware® No Wire™ Half Racks that hold tubes, vials, mini tubes and cuvettes (see page 295). Attach to any shelf or benchtop edge up to 2.54cm (1") thick using the large locking thumbscrew clamp. Supports many standard brands of pipettors. All components are chemical resistant and autoclavable at 121°C (250°F).

PP A

CATALOG NO.	DESCRIPTION
F18954-0000	*A Triple Holder Clamp (1 single holder clamp and 2 extenders)*
F18954-0001	*B Single Holder Clamps (2)*
F18954-0002	*C Extenders (4)*
F18954-0500	*D PiRack® Utility Tray*

SHOP www.belart.com



A. Flexible Gooseneck Arm with Weighted Base

This flexible arm has over twenty individual links with ball-and-socket joints for maximum range of motion. The sturdy base measures 23 x 16 cm (9 x 6”), weighs 1.5 kg (3.3 lb), and is ideal for use with pH meter probes. Centered along each edge of the base are octagonal-shaped wells (4 total) with a maximum diameter of 1.5 cm (0.6") for affixing the flexible arm, additional support rods, or holders (two thumb screws are provided). Electrode Holder (F18317-1000) sold separately.

NYLON

CATALOG NO.
F18315-2322

B. Flexible Gooseneck Arm

The flexible arm has molded acetal copolymer links with ball-and-socket joints. One end is designed to accept the F18317-1000 Electrode Holder while the other has a 12.7mm (½") diameter stainless steel pin for attachment to a clamp or base. The arm is 46cm (18") long x 25mm (1") in diameter.

CATALOG NO.
F18315-0000

C. Electrode Holder

Snaps onto the end of the Flexible Gooseneck Arm affording 3 stepped wells for holding an electrode, a reference electrode and an ATC probe. The center well has an 18mm (¾") I.D., side wells each have a 16.5mm (⅝") I.D. and the through holes are all 12.7mm (½") I.D. Includes three reducing bushings for smaller diameters and five nylon cable ties for attaching wires to the arm. (Base and Flexible Arm sold separately.)

CATALOG NO.
F18317-1000



Aquet® Detergent
Makes Lab Glass Sparkle and Shine, Page 70



Klett™ Colorimeter
Used Worldwide for Reliable Readings, Page 80



Holdfast® Cylinders
Get a Secure, Solid Grip, Page 83



Graduated Cylinders
Shatterproof TPX® is Clear as Glass, Page 82

SHOP www.belart.com



Blow-Hard® O.S. Extra™ Dust Remover

Fast and Easy Cleaning for Hard-to-Reach Areas

Provides powerful blasts of triple filtered air for cleaning laboratory equipment that could be damaged by wiping. A handy extension tube (included) effectively penetrates hard-to-reach places. Ozone safe; non-flammable. Warning instructions for safe use are printed on the can. *No Air Shipment*.



CATALOG NO.	SIZE
F17080-0200	*10 oz can*





Aquet® Detergent for Glassware and Plastics

Phosphate-Free Liquid Detergent with Neutral pH

Safe for glassware, plastics and surfaces, this phosphate-free, biodegradable, non-ionic surfactant will not etch or mar precision glassware. It rinses quickly and dries without wiping. Convenient, pre-portioned pouches are available to make one gallon of 1% solution. For frequent users, Aquet® is offered in a 3.8 liter (1gallon) bottle with a 473ml (16oz) working solution dispenser bottle. It is also available in 18.9 liter (5 gallon) and 208 liter (55 gallon) sizes. Not for use in automatic dishwashers.

CATALOG NO.	SIZE	CASE	BOX
F17094-0020	*20 ml pouch makes one gallon*	*N/A*	*20 pouches*
F17094-0030	*1 gallon*	*12*	*Each*
F17094-0050	*5 gallon Cubitainer™*	*6*	*Each*
F17094-0510	*55 gallon Drum*	*N/A*	*N/A*

SHOP www.belart.com

Glass Cleaner - Chromerge®



The Ultimate Glassware Cleaner

Leaves surfaces chemically clean, and aids in creating a perfect meniscus. Each bottle contains 25ml of chromium trioxide in solution which, when mixed with a 4.1kg (9lb) 2.2 liter container of sulfuric acid, makes a highly efficient cleaner. The mixture can be stored and reused until it becomes green, indicating loss of effectiveness. Not for use with plastics. **6 per box, 4 boxes per case.** *No Air Shipment.*

CATALOG NO.
F17089-0000



Aqua-Clear™ Water Conditioner - Cleanware™

Eliminate Biofilms in Your Water Bath
Extend the Life of Film Developing Solutions

Provides long lasting protection for the water in water baths and other water systems against the growth of algae, bacteria, molds and biofilms. Protects pumps and thermostats and helps prevent tubing from clogging. When added to water used in developer for color or X-ray films, it permits longer use of the same solution and will not harm film. Just 2ml per liter of water adds a blue tint which will fade after about 3 months reminding you to change the water and add new conditioner.

CATALOG NO.	SIZE
F17093-0000	*100ml*

Label-Off™ Label Remover - Cleanware™



Say Goodbye to Tape and Sticker Residues

Quickly removes labels including the gummy residue other cleaners leave behind. The kit contains 59ml (2oz.) of label adhesive solvent in a pump spray with cap, and 20 lint-free 10.2cm (4") square wipes. *No Air Shipment.*

CATALOG NO.
F17077-0000

SHOP www.belart.com



Polypropylene Sinks

Total Chemical Resistance

Sink, drainboard, backsplash and legs are made entirely of polypropylene for excellent chemical resistance and easy cleaning. Material is unaffected by acids, alkalis and boiling solutions under 121°C (250°F). A 15cm (6") high backsplash and shorter side and front lip help to contain spills and channel liquids to the sink. The sink is made from 12.7mm (½") thick material for durability, can contain approximately 20 gallons, and is available on the left or right side of the unit. A standard 1½" "S" trap with plug is included to connect to plumbing drain. Requests for custom sizes or features are welcome. Ask about longer units with double or oversize sinks and larger drainboards.

PP

CATALOG NO.	DESCRIPTION
H49010-0000	Right Side Sink
H49011-0000	Left Side Sink

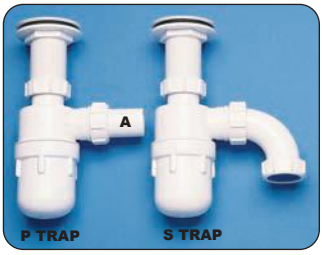
SINK DIMENSIONS	
Overall length	145.4cm (57¼")
Overall width	77.4cm (30½")
Work surface height	91.4cm (36")
Overall height	107.9cm (42½")
Sink length	76.2cm (30")
Sink width	60.9cm (24")
Sink depth	20.3cm (8")

Custom Fabricated Sink Sizes Are Available, Call For Quote

Sink Traps - McAlpine™

Withstands Frost, Boiling Water, Detergents and Chemicals

ABS traps include PVC plug, strainer, waste body, waste fitting, back nut, sealing cup and compression for copper tubing. Waste section at top consists of a threaded body with PVC plug, washer and nut. Requires no special tools for installation or maintenance. Available in 3.8cm(1½") size only.



PVC ABS PLASTIC

CATALOG NO.	DESCRIPTION
F33100-0000	P Trap
F33105-0000	S Trap
F33110-0000	Additional adapter, figure A (photo)

SHOP www.belart.com

Heavy-Duty Pails

Graduated, Hand Grip on Bottom

Polyethylene pails have wide rims that hold their shape under heavy loads. Features include a heavy-gauge, plastic-coated metal bail and a pronounced spout. Recessed hand grip on the bottom aids in safe handling and pouring. Graduations are in liters and molded on the interior.



LDPE

CATALOG NO.	CAPACITY	TOP I.D.	HEIGHT
H16805-0000	10 liters (10.6 quarts)	24.4cm (9⅝")	30.5cm (12")
H16806-0000	15 liters (15.9 quarts)	27.9cm (11")	32cm (13")



Small Pails

Choose Polyethylene or Autoclavable Polypropylene

These 7.6 liter (8qt) pails have a snug fitting lid and removable plated steel support ring and bail handle. Height 25cm (10"), 20cm (8") I.D. at top. F16775-0000 pail and cover are steam autoclavable at 121ºC (250ºF). **Packed per each, 6 per case.**

LDPE PP A

CATALOG NO.	DESCRIPTION
F16771-0000	White Polyethylene - Non-autoclavable
F16775-0000	Natural Polypropylene - Autoclavable

Large Pails

Meets US Specification MIL-P36257A

Available in polyethylene or autoclavable polypropylene, these 13.2 liter (14qt) pails have a snug fitting lid and plated steel bail. Each is 32cm (12¾") high with a 27cm (10½") I.D. at top. F16776-0000 pail and cover are steam autoclavable at 121ºC (250ºF). **Packed per each, 6 per case.**



LDPE PP A

CATALOG NO.	DESCRIPTION
F16772-0000	Yellow Polyethylene - Non-autoclavable
F16776-0000	Translucent Polypropylene - Autoclavable (not shown)

Use Labmat™ Liners to Keep Your Benchtop Clean and Spill Free, See Page 153

SHOP www.belart.com



Rectangular Dipping Baskets

Flow Through with Built-In Handles

The bottoms and sides of these polypropylene baskets are 3.2mm (⅛") thick with 3.2mm (⅛") diameter perforations and a smooth top rail. Solid end plates are 6.4mm (¼") thick with built-in handles. Steam autoclavable at 121ºC (250º F).

PP A

CATALOG NO.	DIMENSIONS (L x W x H)	SIDE PANEL HEIGHT
H16716-0012	30.5 x 20.3 x 30.5cm (12 x 8 x 12")	15.3cm (6")
H16716-0018	45.7 x 30.5 x 45.7cm (18 x 12 x 18")	22.9mm (9")

Straining Baskets

Strain or Filter Large Particles

Perforated baskets made from polyethylene allow rapid filling and draining, and are handy for batch rinsing and transporting labware. Chemically resistant, they withstand acids and alkalis, and have a service temperature up to 82°C (180ºF). Perforations are 2mm (0.080"), and a strap handle rises 10cm (4") above the rim.



HDPE

CATALOG NO.	O.D.	I.D. x HEIGHT
H16701-0000	4"	86 x 127mm (3⅜ x 5")
H16703-0000	5"	108 x 127mm (4¼ x 5")

For Custom Designed Baskets, Call 1-800-4BEL-ART with Your Specifications



Poxygrid® Baskets

Steel Wire Carrying Baskets

Epoxy-coated, steel wire baskets hold up under the most severe laboratory conditions. They resist rust, corrosion, solvents, acids and alkalis. Handy for transporting and batch dipping glassware. Steam autoclavable at 121ºC (250ºF).

A STEEL

CATALOG NO.	DIMENSIONS (L x W x H)	SHIPPING WEIGHT
H16759-0000	63 x 36 x 15cm (24¾ x 14 x 6")	3.0kg (6.5lb)
H16765-0000	28 x 15 x 9cm (11 x 6 x 3½")	0.9kg (2lb)
H16766-0000	36 x 28 x 9cm (14 x 11 x 3½")	1.4kg (3lb)
H16767-0000	51 x 28 x 9cm (20 x 11 x 3½")	1.8kg (4lb)

SHOP www.belart.com

Bottle Brush - Cleanware™



Swivel Head for Thorough Cleaning

Uniquely designed, swiveling pivot head enables thorough cleaning of bottles and flasks including difficult curves and corners. Natural bristles set in wood will not scratch glass. The swivel head fits through a 29/42 standard taper neck, or any non-tapered neck with a diameter of 24mm (1") or larger. Brush head is slightly convex, 45mm (L) x 21mm (W) with bristles 8mm long. Brush head is attached to hardwood handle 37cm long x 7mm diameter.

CATALOG NO.	DIMENSIONS (DIAM. x H)
F17068-0000	*9.8 x 3.8cm (3 ⅞ x 1 ½")*



Cleanware™ Glassware Scrubbing Sponge

Scours Glass without Scratching

Remove stubborn residue on glassware with this odor-resistant, highly absorbent sponge. It's wipe dry performance is equal to cellulose, yet it maintains the desirable physical properties of polyurethane. The foam contains anti-microbial technology to inhibit bacterial growth and odors. It stays soft and flexible, wet or dry, will not crack or shrink, or become brittle like cellulose. Scouring side resists snagging, does not leave fibers behind and retains aggressive scouring ability even with frequent use. Overall dimensions: 10.8 x 6.4 x 2.5cmH (4¼ x 2½ x 1"). **2 per pack.**

CATALOG NO.	DESCRIPTION
F17078-0001	*Cleanware™ Glassware Scrubbing Sponge*

Cleanware™ Stainless Steel Sponge



Cleans Glassware and Stainless Steel without Scratching

Scrub glassware and stainless steel products sparkling clean with or without detergents. There are no sharp edges to damage surfaces or irritate hands. Measuring roughly 64 x 100mm (2.5 x 4"), these pliant sponges are flexible enough to thoroughly clean hard to reach areas. Grade 430 steel wool. **2 per bag, 24 bags per case.**

STAINLESS STEEL

CATALOG NO.
F17085-0000

Scienceware® Glassware Drying Racks, See Pages 165-170

SHOP www.belart.com



Soap and Bleach Wash Bottles - Wide-Mouth, Safety-Labeled

Handy Dispensing of Commonly Used Cleaners

Polypropylene cap is 53mm (2") wide with a leakproof design. Easy-to-read, LDPE solvent resistant, 4 color printed bottles include: Department of Transportation (DOT) and National Fire Protection Association (NFPA) codes and symbols, Chemical Abstract Service (CAS) numbers, protective equipment symbols and target organ information. **4 per bag, 6 bags per case.**

LDPE PP

CATALOG NO.	LABEL	SIZE
F11716-0014	*Soap*	*500ml (16oz)*
F11716-0015	*Sodium Hypochlorite (Bleach)*	*500ml (16oz)*

Cleanware™ Microscope Optics Cleaning Kit

Clean, Clear and Smudge Free

Contains everything you need to keep optics and microscope parts sanitary, clean and clear. Includes ten pre-saturated cleaning pads, two individually wrapped packs of anti-static plastic surface wipes, and two 15.2cm (6") swabs which are pre-moistened with alcohol. Complete instructions for use included. *No Air Shipment*.



CATALOG NO.	DESCRIPTION
F17072-0000	*Cleaning Kit*
F17072-0010	*Additional pre-saturated optical cleaning pads, 5 x 8". 10 per bag*



Cleanware™ Electrode Washer

Saves Time and Reduces Scratching

Provides a safe, convenient way to clean delicate pH electrodes in place without the risk of scratching or damage. The unit consists of a polyethylene spray chamber to surround electrodes, a 500ml polyethylene reservoir that holds distilled water and a length of tubing to drain discharge directly to the sink. The electrode hangs into the spray chamber and with a squeeze of the reservoir, a spray of water rinses the electrode. The base of the system is 14cm (5½") diameter and the washer is 21cm(8¼"). **Per each, 24 per case.**

PP A

CATALOG NO.
H17188-0000

SHOP www.belart.com

Vakuwash® Cuvette Washer

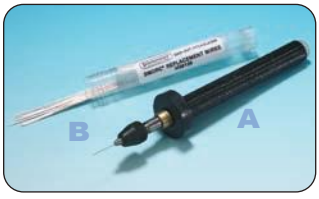


All-Plastic Cuvette Washing Device

Economical, durable and gentle on delicate glass or quartz cuvettes, this all-plastic washer replaces costly, antiquated devices that are often more fragile than the cuvettes they wash. Comes complete with a 500cc polypropylene vacuum flask, Vikem® vinyl stopper and 3 ft. PVC tubing ready for connection to a vacuum line. The mouth of an inverted cuvette is pressed against the rubber cushion to induce suction. Water or other cleaning fluid poured into the 89mm (3½") diameter funnel is forcibly sprayed into the cuvette and then drains into the flask. Continued pressure on the cuvette creates an air flow which dries it. A final wash in acetone aids in removing water droplets. Minimum cuvette I.D must be 3mm or larger to fit over the spray nozzle.

CATALOG NO.
F38960-0000

See Acetone, Distilled Water and Other Wash Bottles on Pages 22-27





A. Small Orifice Cleaner - SMORC®

Ideal for Cleaning Clogged Nozzles, Spray Bottles, Tubing and More

Uniquely designed for cleaning small orifices, a pin vise securely holds the stainless steel cleaning wire in place. A 22mm (⅞") diameter ring magnet on the handle is useful for picking up wires and for storing the unit securely on metal surfaces. H38126-0000 wire assortment is included (see below) and stores conveniently inside the hollow handle. Length without wire is 10.2cm (4"). **Per each, 12 per case.**

STAINLESS STEEL

CATALOG NO.
F38125-0000

B. Small Orifice Cleaner Replacement Wires - SMORC®

Package of 30 stainless steel wires for use with the SMORC® Small Orifice Cleaner. 51mm (2") long wires packaged in a plastic vial. **Includes 10 each of 3 sizes: 0.152, 0.254, 0.508mm (0.006, 0.010, 0.020").**

STAINLESS STEEL

CATALOG NO.
F38126-0000

SHOP www.belart.com

Touch Free™ Automatic Waste Cans

Automatically Opens and Closes, without a Touch!

Easy and Sanitary Waste Disposal!



D A C B

It's That Simple!

1. ***Wave your hand over the sensor on the front of the waste can lid.***
2. ***When the lid automatically opens, dispose of your waste, and the lid automatically closes.***

The Touch Free™ Automatic Waste Can's motion-sensitive lid opens automatically to accept waste, and then closes into a fitted well that helps to reduce odor and airborne contamination. Durable and dependable, it can be used with autoclavable biohazard disposal bags or commercially available trash bags. Requires four (4) D-batteries (not included) that will provide approximately 4,000 openings. An on-off switch deactivates the auto-open/close function.

Each unit is supplied with a preprinted, brightly-colored Biohazard label, 2 others for Recyclables and Trash, and a Blank label for individualized applications.



Available in three slim, modern designs:

A. **F13202-0010 - White** 2.5 gallon can is perfect for bench-top use and includes a removable rigid liner that won't leak or rust. Body and lid are molded of easy-to-clean ABS plastic, and the removable pail is molded of autoclavable polypropylene. Line with Scienceware® 14 x 19" biohazard disposal bags (see bags section, pages 8-10) or suitable size standard trash bags.

B. **F13202-0020, Gray** and C. **F13202-0022** - **Red** 7.3 gallon cans have a molded polypropylene pail and gray ABS plastic top. Line with Scienceware® bag liners or biohazard disposal bags measuring 24 x 30, 24 x 36 or 25 x 35" (see bags section, pages 7-10) or suitable size standard trash bags.

D. **F13202-0030** - 12 gallon can has a **Stainless Steel** body and black ABS plastic lid. Line with Scienceware® bag liners or biohazard disposal bags measuring 24 x 30, 24 x 36 or 25 x 35" or suitable size standard trash bags. (See bags section, pages 7-10)

CATALOG NO.	CAPACITY	MATERIAL	DIMENSIONS (L x W x H)
A. F13202-0010	2.0 gallon	Plastic - White	21.6 x 30.5 x 43.0cm (8½ x 12 x 17")
B. F13202-0020	7.3 gallon	Plastic - Gray	36.8 x 26.7 x 57.1cm (14½ x 10½ x 22½")
C. F13202-0022	7.3 gallon	Plastic - Red	36.8 x 26.7 x 57.1cm (14½ x 10½ x 22½")
D. F13202-0030	12.0 gallon	Stainless Steel Can Plastic Lid	36.8 x 26.7 x 67.3cm (14½ x 10½ x 26½")

Dust Pan



Thin Front Edge to Collect Fine Particles

Molded of chemically-resistant polypropylene, this dust pan has a very thin forward edge for collecting fine dust. Excellent for liquid or semi-solid chemical waste spills, it has a curved rise near the front edge that keeps contents from accidentally falling out. The deep back permits safe transport of waste for proper disposal. Steam autoclavable at 121°C (250°F). 20.3cm (8") across the front x 16.5cm (6½") deep x 5.7cm (2¼") high back, 10.2cm (4") long handle. **Per each, 24 per case.**

PP A

CATALOG NO.
F36839-0000



The Wedge Pan

Get a Scoop on Spill Cleanup

These thin-edged, disposable pans are great for scooping up spilled chemical residue after containment by an absorbent medium. Inexpensive and convenient, these styrene pans have a recessed hand grip to keep fingers clear of the waste. Use a single pan, or gather large spills more quickly by pushing two pans toward one another. They are 17.8 x18.4cm (7 x 7¼") and taper from a thin edge to 3.2cm (1¼") deep. **6 per bag, 6 bags per case.**

PS

CATALOG NO.
F24894-0000

SHOP www.belart.com



Klett™ Colorimeters

Use for Colorimetric and Turbidimetric Determinations Including:

- *Color*
- *Concentration*
- *Haze and Density Measurements*
- *Microbiology Growth Curves*

Klett™ Colorimeters Offer:

- **Rugged construction for long service life**
- **Klett™ scale is longer than many other photoelectric scales allowing greater graduation spacing for easier and more accurate readings**
- **Repeatable results with accuracy to 0.33% on the full scale**
- **Accessory filters allow measurement over complete visual range**
- **Measurements for both color and turbidity are possible**
- **Fully compensated and balanced electrical circuits do not require storage batteries or current regulators**
- **Available as 115 or 220V for use worldwide**

These photometric colorimeters use specific light filters to give readings on a unique Klett™ scale. The readings are directly proportional to the concentration or optical density of a solution in accordance with Beers Law. Two matched photocells and a suspension galvanometer give the instrument a broad range of measurement; it is light and ambient temperature independent. A fully compensated and carefully balanced electrical circuit provides accuracy and consistency in readings. The precision galvanometer has an illuminated logarithmic scale, graduated from 1 to 1000 Klett™ and the scale is graduated in units proportional to the optical density. Repeatability is ±0.33% of the full scale. Two models, Clinical and Industrial are available. Each comes complete with detailed instructions, standards and guides for a wide range of tests.

The Clinical Model (800 series) uses standard 14.25 x 125mm test tubes. Calibrated or uncalibrated tubes are available and micro test tubes can be used for samples as small as 2.5ml.

The Industrial Model (900 series) accepts rectangular solution cells, which can be used in either of two directions. Measurements can then be taken at depths of 10mm, 20mm, or 40mm. A reduction plate is available to minimize solution depth to 2.5mm. An adapter is available that permits the use of test tubes.

Both models are supplied with the two most commonly used filters, blue for 400-450nm and green for 520-580nm. Additional filters are available to permit measurements over the complete visual range. **See ordering information on opposite page.**

For Test Tube and Micro Tube Racks, See Rack Section, Starting on Page 260

SHOP www.belart.com

Klett™ Colorimeters

CATALOG NO	DESCRIPTION
T37012-0000	Model 800-3, 115VAC Clinical Model
T37012-0001	Model 800-3, 220VAC Clinical Model
T37013-0000	Model 900-3, 110VAC Industrial Model
T37013-0001	Model 900-3, 220VAC Industrial Model
T37012-1000	120/230 Voltage Conversion Kit for all Klett™ Colorimeters

Accessories for Klett™ Colorimeters

Clinical Model T37012-0000 Accessories

CATALOG NO	DESCRIPTION	
T37012-0010	Klett™ 801 Test Tubes, Uncalibrated	Pack/12
T37012-0020	Klett™ 802 Test Tubes, 5 and 10ml calibration lines	Pack/12
T37012-1020	Klett™ Test Kit, Calibrated Includes three calibrated test tubes #0,1, and 2; test filter, and instructions	Each Kit

Industrial Model T37013-0000 Accessories

CATALOG NO	DESCRIPTION
T37013-0010	Klett™ 901 Solution Cell, 20/40mm
T37013-0020	Klett™ 902 Solution Cell, 10mm
T37013-0030	Klett™ 903 Reduction Plate
T37013-0041	Klett™ 904M Special Test Tube Adapter
T37013-1015	Klett™ Test Kit, Industrial Includes three test tubes #0,1, and 2; test filter, test tube adapter and instructions

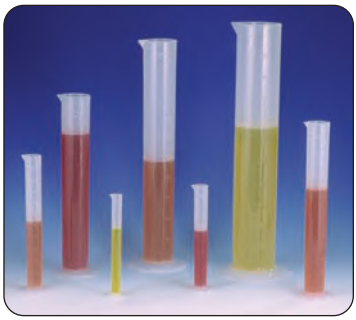
Filters for both Clinical and Industrial Models

CATALOG NO	DESCRIPTION	SPECTRAL RANGE
T37014-0040	KS-40 Color Filter	380-430
T37014-0042	KS-42 Color Filter, Blue	400-450
T37014-0044	KS-44 Color Filter	410-480
T37014-0047	KS-47 Color Filter	445-505
T37014-0050	KS-50 Color Filter	470-530
T37014-0052	KS-52 Color Filter	485-550
T37014-0054	KS-54 Color Filter, Green	520-580
T37014-0055	KS-55 Color Filter	520-600
T37014-0056	KS-56 Color Filter	540-590
T37014-0059	KS-59 Color Filter	565-630
T37014-0060	KS-60 Color Filter	580-640
T37014-0062	KS-62 Color Filter	590-660
T37014-0064	KS-64 Color Filter	620-680
T37014-0066	KS-66 Color Filter, Red	640-700
T37014-0069	KS-69 Color Filter	660-740
T37014-0070	KS-6225T Color Filter	590-660

SHOP www.belart.com

Single Scale Graduated Cylinders

Roll-Proof and Easy-to-Read



These graduated cylinders have a single metric scale with raised numerals for easy reading. Flared top rims and large spouts facilitate pouring, and octagonal-shaped bases prevent tipping and rolling. The "non-wetting" polypropylene surface eliminates concave meniscus and makes reading easier and more accurate. Chemically resistant and autoclavable at 121ºC (250ºF). **Per each, cases listed below.**

PP A

CATALOG NO.	CAPACITY	GRADUATION	HEIGHT	I.D.	O.D.	CASE
F28452-0000	10ml	Every 0.1ml	5.7"	0.5"	0.6"	24/each
F28453-0000	25ml	0.5ml	7.5"	0.6"	0.7"	24/each
F28454-0000	50ml	1.0ml	7.9"	0.9"	1.0"	12/each
F28455-0000	100ml	1.0ml	10.0"	1.0"	1.2"	12/each
F28456-0000	250ml	2.0ml	12.8"	1.5"	1.6"	12/each
F28457-0000	500ml	5.0ml	13.8"	2.0"	2.2"	6/each
F28458-0000	1000ml	10.0ml	17.7"	2.4"	2.6"	6/each
F28459-0000	2000ml	20.0ml	20.0"	3.2"	3.4"	4/each



Clear Graduated Cylinders

Glass-clear, High Temperature Safe

Clear TPX® (polymethylpentene) cylinders are non-wetting to prevent a concave meniscus, making the raised numeral, single scale graduations easy to read. They are shatter-proof with a wide octagonal base to prevent tipping and rolling. Superior chemical resistance and safe for use to 175ºC (350ºF) make them a great value. Steam autoclavable at 121ºC (250ºF). Made of TPX® Brand PMP for easy viewing. **Per each, cases listed below.**

PMP A

CATALOG NO.	CAPACITY	GRADUATION	HEIGHT	I.D.	O.D.	CASE
F28690-0000	10ml	Every 0.1ml	5.7"	0.45"	0.57"	24/each
F28691-0000	25ml	0.5ml	7.5"	0.61"	0.73"	24/each
F28692-0000	50ml	1.0ml	7.9"	0.86"	1.0"	12/each
F28693-0000	100ml	1.0ml	10.0"	1.0"	1.2"	12/each
F28694-0000	250ml	2.0ml	12.8"	1.5"	1.6"	12/each
F28695-0000	500ml	5.0ml	13.8"	2.0"	2.2"	6/each
F28696-0000	1000ml	10.0ml	17.7"	2.4"	2.6"	6/each
F28697-0000	2000ml	20.0ml	20.0"	3.2"	3.4"	4/each

For Graduated Pitchers, See Pages 256-257

SHOP www.belart.com



Holdfast® Graduated Cylinders

Grip Handle for Steady Pouring

This one-piece polypropylene cylinder with handle provides a secure, solid grip for safer pouring. It has an easy-to-read double scale with raised graduations and will not create a meniscus. A hexagonal base prevents tipping and rolling. The handle opening is 89 x 29mm (3 x 1⅛"). Chemically resistant and autoclavable at 121°C (250°F).

CATALOG NO.	CAPACITY	GRADUATION	HEIGHT	I.D.	O.D.
F28461-1000	1000ml	Every 10.0ml	17.3"	2.3"	2.5"
F28461-2000	2000ml	Every 20.0ml	19.3"	3.3"	3.5"

See Beakers Page 18 and Pitchers Page 256 for Additional Containers



Desiccant in a Cartridge
"No Fuss" Convenience, Page 107



"Space-Saver" Vacuum Desiccators
Maximum Interior Space, Page 105



Techni-Dome® 360˚ Desiccators
Generous Interior Volume with Unobstructed Views, Page 104



Secador® Desiccator Cabinets

Amber Color Reduces Visible Light Penetration by over 50%, Page 88-89

SHOP www.belart.com

Desiccators

Desiccators are an economical and reliable way to assure dry, dust-free, and if necessary air-free storage of humidity sensitive products, such as valuable reagents or electronics.

Depending upon what you are storing optimal conditions can be achieved using standard desiccants in a manual or automated format, with gas purge, or by keeping the contents under vacuum.



When choosing a desiccator the following questions should be considered:

What storage environment is optimal or required?

Use this chart for an overview of the environment and benefits each method of desiccation provides.

Methods of Desiccation

Standard Desiccant	Automated, Standard Desiccant	Gas Purge	Vacuum
Manual monitoring and operation. Moisture is absorbed from air in the unit by using a desiccant. Once the desiccant is 'saturated' it must be regenerated through heating, or replaced.	Electric fans and heaters continuously regenerate the desiccant to prevent saturation and to automatically maintain a low humidity environment.	A slow steady flow of inert gas (often dry nitrogen) is provided.	Air and moisture are removed from the chamber by use of a vacuum pump.
Flexibility to use any type of desiccant (silica gel beads, activated charcoal, etc.) based on economics and convenience.	Convenience, requires minimal monitoring.	Achieve relative humidity at a much faster rate.	Best for total dry storage or if air could be damaging to material being stored.
Portability.	Precise control of humidity. Operates on a set schedule of desiccation followed by a regeneration period.	Dust free and desirable for many applications including clean room environments.	Dust free and desirable for many applications including clean room environments.
Economical functionality. Most desiccants can be regenerated periodically.	Process uses silica gel beads that last for thousands of regeneration cycles.	Option to close stopcocks and use with regular desiccants.	Option to close stopcocks and use with regular desiccants.

What size(s) are the items you need to store and in what quantity?

Interior volume of the desiccator and shelving should be considered. As a visual reference of the interior space we have estimated how many standard 12 oz cans of soda would fit into each unit. Estimates are a guideline based on interior volume and do not take shelving or desiccator shape into consideration.

How important are ease and economy of use?

Each method of desiccation has advantages and trade-offs. Each user must determine the method that best serves their purposes. Using standard desiccants and regenerating them as needed is economical, but requires monitoring. There may also be more variability in your environment. An automated desiccator requires much less monitoring but uses electric power. Gas ported desiccators are quick to achieve relative humidity, but if the unit is accessed frequently, proportionately more gas will be needed to keep the desired low humidity level. Vacuum desiccators remove air and moisture and can be brought back to vacuum rather easily after opening, but require a pump.

Once you have determined your most desirable method of desiccation, there are a variety of styles and sizes of desiccators to choose from.

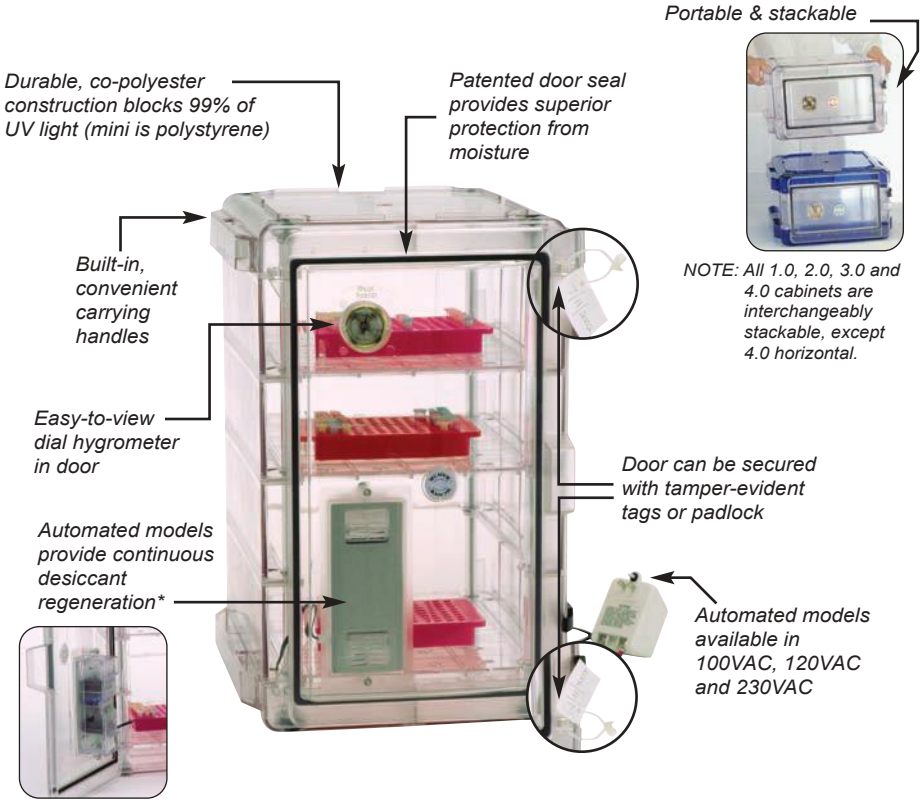
Scienceware® Desiccator Brands

Method	Volume (cu.ft.)	Secador®	Space Saver	Techni-Dome®	Dry-Keeper™	Scienceware®	Pages
Standard Desiccation	Less than 0.50	X	X		X	X	91-96
	0.51 – 1.25	X				X	
	1.26 – 1.74	X			X		
	1.75 and up	X			X		
Automated, Standard Desiccation	Less than 0.50						97-100
	0.51 – 1.25	X			X		
	1.26 – 1.74	X					
	1.75 and up	X			X		
Gas Purge Desiccation	Less than 0.50	X			X		101-104
	0.51 – 1.25	X			X		
	1.26 – 1.74	X					
	1.75 and up	X		X			
Vacuum Desiccation	Less than 0.50		X			X	105-106
	0.51 – 1.25						
	1.26 – 1.74						
	1.75 and up			X			

SHOP www.belart.com

Secador® Desiccator Cabinets





All sizes are available with optional gas ports to allow gas purging of the cabinet.

** All non-electric models can be used with any desiccant including Disposable Desiccant Cartridges F42048-0065, -0100, or Desi Can™ Reusable Desiccant Canister F42046-0000.*

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Brand Details



Secador® Desiccator Cabinets

A UV Light Blocking, Dry Environment

The attractive design and sturdy construction of the Secador® line of desiccator cabinets assures easy and reliable storage of moisture and light sensitive products. Choose from an extensive selection of sizes, styles and colors of desiccator cabinets to meet your specific needs.

- Standard, Automated (100, 120 and 230 VAC) and Gas-ported models available
- Durastar® co-polyester construction blocks 99% of UV light* and is resistant to staining, crazing and chemical attack
- Amber color models reduce visible light penetration by over 50% making it the perfect choice for storing light sensitive materials like reagents, analytical standards and investigational compounds
- Large doors maximize access to interior space and have a patented seal design, tab latches and security loops for a padlock or tamper-evident seals
- 1.0, 2.0, 3.0 and 4.0 – vertical units have a compact 34.1W x 41.4cmD footprint for space saving stacking up to 3 units high; 4.0 horizontal has a wider footprint and lower height
- Perforated shelves facilitate circulation of dry air
- Easy-to-view dial hygrometer is located in the door front

**Mini cabinets are molded of polystyrene which does not block UV light.*

Standard models, pages 91-93. Automated models, pages 97-99. Gas-ported models, pages 101-103.

"SPACE SAVER" Standard and Vacuum Desiccators

Maximize Your Space in the Laboratory or Classroom

In less than 12" of benchtop space, these strong, shatterproof desiccators will store and protect sensitive products.



- 'Flat Dome,' clear polycarbonate top with knob maximizes interior clearances and provides an average of 13% greater interior volume over standard hemispherical domes
- Vacuum models hold a full vacuum (29.9" Hg 75.9cm) at room temperature for 24 hours and will remain airtight even if not under vacuum; non-vacuum models also available
- White polypropylene bottom models can support incandescent crucibles on Minerit HD High Heat Ceramic Desiccator Plates (page 108.)
- Large ribbed knob for easy lifting; extra heavy walls
- All models include a 0.32 cm (⅛") thick perforated plate

Standard models, page 94. Vacuum models, page 105.

SHOP www.belart.com

Techni-Dome® 360 Vacuum or Gas-Ported Desiccators

View More, Store More, Dry More



Generous quantities of standards, samples, electronics or other sensitive items can be protected in the Techni-Dome® 360 vacuum desiccator. A traditional style domed desiccator, the Techni-Dome® 360 is made from high-grade polycarbonate and offers a clear, unobstructed view of contents, with exceptionally large storage space, portability and ease of use.

- Users will find that this model has a generous 65 liter (4000 cu. in.) internal volume and can hold items up to 45cm (18") tall or wide, including racks, trays and instruments
- Polycarbonate material is resistant to most common chemicals, as well as thermal stress, and wipes clean easily
- Available with one or two gas ports to offer the flexibility of using multiple gases or faster cycle times between vacuum and release
- Holds a full vacuum (29" Hg, 737mm) at room temperature for 24 hours; a high quality silicone gasket ensures that the desiccator will remain airtight even when not under vacuum
- Two removable polypropylene shelves, 36.5cm and 22.5cm (14.5" and 9") in diameter maximize storage capacity
- Side handles provide easy portability and can be used as a place to affix tamper-evident seals
- Top half of the desiccator nests into the bottom for convenient storage when not in use

Vacuum model page 106. Gas-ported model page 104.

Dry-Keeper™ Desiccator Cabinets

Clear View, Cabinet Style Desiccators in Polystyrene or Acrylic



This line offers automated and standard units with a variety of choices in size, horizontal or vertical profiles and various materials including crystal clear methyl-methacrylate with sleek black metal trim.

- Adjustable shelving with holes for full air circulation
- Shelf rails provide flexibility for optimum placement of shelves
- Doors have a foam rubber gasket and latches to assure a tight seal
- Automatic units have a permanent desiccant that lowers relative humidity to 30-40% and a light indicator to signal absorption and regeneration periods

Standard models pages 95-96. Automated models page 100. Gas-ported model page 104.

SHOP www.belart.com

Standard Desiccation

Secador® Desiccator Cabinets

A UV Light Blocking, Dry Environment

- Durastar® co-polyester construction blocks 99% of UV light* and is resistant to staining, crazing and chemical attack; amber color units also block over 50% visible light
- Use with any desiccant including cans and disposable cartridges. See pages 107-108 for complete Scienceware® line of desiccants
- Desiccants can be placed under the bottom shelf to preserve storage space
- Different colors are available to suit your needs

For more detailed information on the full Secador® line see page 88.

Secador® Mini Desiccator Cabinet

The Perfect Choice When Benchtop Space Is at a Premium



- Internal Volume: 0.31 cu. ft.; Holds: 12 cans
- Clear polystyrene for easy viewing of contents
- Option to mount to the underside of a shelf; kit information below
- Door opens to the left
- Overall Dimensions: 33.8W x 25.4D x 21.6cmH (13.3 x 10 x 8.5")

PS

CATALOG NO.	DESCRIPTION
F42075-1000	*Mini, Clear Polystyrene*

Note: The Mini Desiccator model is molded of polystyrene and does not block UV light. For ultimate UV protection, select a Secador® 1.0 model or larger.

Under Shelf Mounting Kit

For Secador® Mini Desiccator Cabinet

Fittings and instructions for mounting the Secador® Mini Desiccator Cabinet – F42075-1000 underneath a shelf with a minimum thickness of 12mm (½").

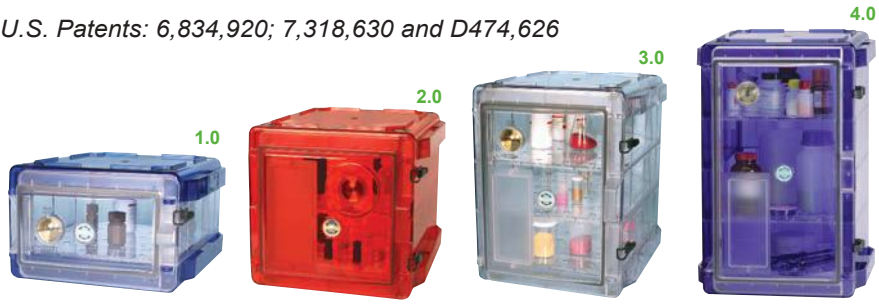
CATALOG NO.
F42075-0201

SHOP www.belart.com

Secador®
1.0, 2.0, 3.0 and 4.0 Vertical Desiccator Cabinets

Interchangeably Stackable up to 3 Units High

U.S. Patents: 6,834,920; 7,318,630 and D474,626



- All units have a compact 34.1W x 41.4cmD (13.4 x 16.3") footprint
- Doors open to the left
- Different colors are available to suit your needs

Size Specifications

Model	Internal Volume	Holds (12oz. soda cans)	# of Shelves	Height
1.0	0.74 cu. ft.	20	1 (fixed)	21.3cm (8.4")
2.0	1.16 cu. ft.	40	2	31.4cm (12.4")
3.0	1.55 cu. ft.	60	3	41.7cm (16.4")
4.0	1.87 cu. ft.	70	3	51.8cm (20.4")

Secador® 1.0, 2.0, 3.0 and 4.0 Desiccator Cabinets

CATALOG NO.	MODEL	DESCRIPTION
F42071-0000	*1.0*	*Clear*
F42071-0006	*1.0*	*Clear w/Blue End-caps*
F42071-0007	*1.0*	*Blue w/Clear Door*
F42071-0008	*1.0*	*Amber (50+% visible light blocking.)*
F42072-1000	*2.0*	*Clear*
F42072-1008	*2.0*	*Amber (50+% visible light blocking.)*
F42073-1000	*3.0*	*Clear*
F42073-1008	*3.0*	*Amber (50+% visible light blocking.)*
F42074-1000	*4.0*	*Clear*
F42074-1006	*4.0*	*Clear, with Blue End-caps*
F42074-1007	*4.0*	*Blue with Clear Door*
F42074-1008	*4.0*	*Amber (50+% visible light blocking.)*

Secador® Cabinet Replacement Shelves p. 109

For more detailed information on the full Secador® line see page 88.

SHOP www.belart.com

Secador® 1.0 Carrying Case Desiccators

Built-in Suitcase Style Carrying Handle

U.S. Patents: 6,834,920; 7,318,630 and D474,626





- Internal Volume: 0.74 cu. ft.; Holds: 20 cans
- One removable shelf
- Pull down 'oven style' door
- Overall Dimensions:
  21.3W x 41.4D x 37.3cmH (8.4 x 16.3 x 13.4")

CATALOG NO.	MODEL	DESCRIPTION
F42070-0000	1.0	Carrying Case, Clear
F42070-0001	1.0	Carrying Case, Blue



Secador® 4.0 Horizontal Profile Desiccator Cabinets

Large Wide Storage Space

U.S. Patents: 6,834,920; 7,318,630 and D474,626

- Internal Volume: 1.87 cu. ft.; Holds: 70 cans
- Two removable shelves
- Pull down 'oven style' door
- Overall Dimensions:
  51.8W x 41.4D x 34.1cmH
  (20.4 x 16.3 x 13.4")



CATALOG NO.	MODEL	DESCRIPTION
F42074-0000	4.0	Clear
F42074-0006	4.0	Clear, with Blue End-caps
F42074-0007	4.0	Blue, with Clear Door

For more detailed information on the full Secador® line see page 88.

SHOP www.belart.com

"Space Saver" Desiccators

Maximize Your Space in the Laboratory or Classroom



- Flat-top dome maximizes interior space
- A neoprene O-ring assures a tight seal down to 0˚C without the need for grease (ring will not be harmed if grease is used.)
- Use with disposable or reusable desiccant
- Desiccant can be placed on or under the perforated bottom plate
- Incandescent crucibles can be supported on optional high heat Minerit HD desiccator plates, see page 108
- Sold per each, 4 per case

PC PP

CATALOG NO.	FLANGE O.D	INSIDE DIAMETER	PLATE DIAMETER	OVERALL HEIGHT	CLEARANCE ABOVE PLATE
F42030-0000	17.1cm (6¾")	14.9cm (5⅞")	14cm No.3	20.6cm (8⅛")	12.1cm (4¾")
F42031-0000	23cm (9⅛")	19.7cm (7¾")	19cm No.4	26cm (10¼")	15.7cm (6³⁄₁₆")
F42032-0000	27.3cm (10¾")	24cm (9⁷⁄₁₆")	23cm No.5	31.1cm (12⅛")	19.7cm (7¾")

For more detailed information on "Space Saver" Desiccators see page 89.

SHOP www.belart.com

Dry-Keeper™ Desiccator Cabinets

Clear View, Cabinet Style Desiccators in Polystyrene or Acrylic

Dry-Keeper™ Small Stacking Desiccator Cabinet

Small Cabinets Safely Stack Five High



- Interior Volume: 0.14 cu. ft.; Holds: 6 cans
- Clear, polystyrene
- Pull down door slides out of the way into a compartment located underneath the cabinet
- Includes a small tray for desiccant
- Ready to use jar of silica gel is included

PS

CATALOG NO.	DIMENSIONS (L x W x H)
H42053-0000	21 x 18 x 17cm (8¼ x 7 x 6¾")



Dry-Keeper™ Stacking Desiccator Cabinet

Stack up to Five Units

- Interior Volume: 0.35 cu. ft.; Holds: 13 cans
- Smoke-tinted, polystyrene
- Two removable shelves can be set at four heights
- Pull down door slides out of the way into a compartment located underneath the cabinet
- Includes a small tray for desiccant

PS

CATALOG NO.	DIMENSIONS (L x W x H)
H42053-0001	25 x 25 x 25cm (10 x 10 x 10")

Dry-Keeper™ Vertical Desiccator Cabinet

Large Space



- Interior Volume: 2.01 cu.ft.; Holds: 70 cans
- Three removable shelves can be set in fifteen positions
- Methyl-methacrylate with sleek black accents
- Door opens to the right and is 25 x 45cm (10 x 17⅞")
- Includes desiccant tray

ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
H42056-0001	32 x 39 x 51cm (12½ x 15½ x 20")

SHOP www.belart.com



Dry-Keeper™ Horizontal Desiccator Cabinet

Our Largest Standard Desiccator

- Interior Volume: 2.08 cu. ft.; Holds: 78 cans
- Two movable shelves can be set in eight positions
- Methyl-methacrylate with sleek black accents
- Door opens to the right and is 45 x 25cm (17⅞ x 10")
- Includes desiccant tray

ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
H42058-0001	50 x 39 x 33cm (19⅝ x 15½ x 13¼")

For more detailed information on Dry-Keeper™ Desiccator Cabinets see page 90.

Acrylic Desiccator Cabinets

Use in Refrigerators or at Room Temperature

- Choose from 3 sizes
- Slide-in trays with perforated bottoms
- Gasketed door opens to left and has a stainless steel twist locking latch
- Offered in clear acrylic for easy viewing or bronze for light-sensitive materials



Bronze

ACRYLIC

CATALOG NO.	COLOR	DIMENSIONS (L x W x H)	# OF TRAYS	HOLDS # OF SODA CANS	INTERNAL VOLUME
F42064-0000	Clear	17.78 x 17.78 x 25.4cm (7 x 7 x 10")	2	6	.21 cu. ft
F42064-0001	Bronze	17.78 x 17.78 x 25.4cm (7 x 7 x 10")	2	6	.21 cu. ft
F42065-0000	Clear	22.86 x 22.86 x 40.64cm (9 x 9 x 16")	2	27	.21 cu. ft
F42065-0001	Bronze	22.86 x 22.86 x 40.64cm (9 x 9 x 16")	2	27	.21 cu. ft
F42066-0000	Clear	30.48 x 30.48 x 30.48cm (12 x 12 x 12")	3	32	.21 cu. ft
F42066-0001	Bronze	30.48 x 30.48 x 30.48cm (12 x 12 x 12")	3	32	.21 cu. ft

Find "No Fuss" Desiccant Cartridges on Page 107

SHOP www.belart.com

Automated Standard Desiccators

Secador® Auto-Desiccator Cabinets

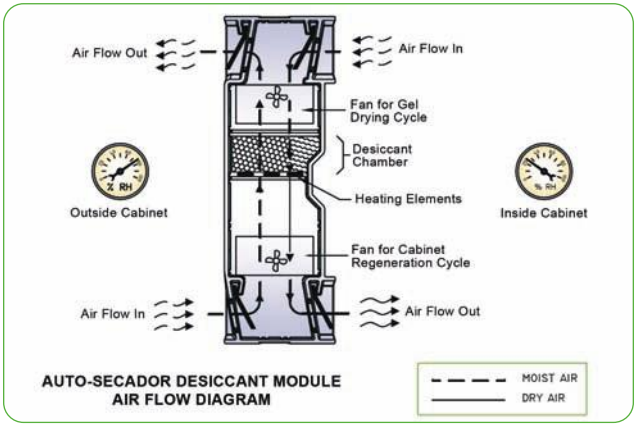


Protecting valuable humidity-sensitive items, such as reagents or electronics, is easy and fully automatic with Secador® Auto-Desiccator Cabinets. The patented electronic dehumidification system will reduce the typical relative humidity of a cabinet, in a 70°F (21°C) air conditioned/heated room with 75% humidity, down to 25% humidity and circulate dry air automatically, freeing users from monitoring or changing desiccants. (See figure below).

- Choice of 100, 120 or 230V (CE approved) models for use worldwide
- DuraStar® co-polyester plastic blocks 99% of UV light and is resistant to staining, crazing and chemical attack; amber color models also reduce visible light penetration by over 50%
- Dry air circulates through perforated, clear polystyrene shelves

For more detailed information on the full Secador® line see page 88.

Patented Electronic Dehumidification System - How it works:



3044584

Module features color-changing, dustless, silica gel desiccant beads and two fans. Automatic dehumidification and desiccant regeneration cycle operates continuously every 20 minutes as follows:

1. One fan operates for 14 minutes to draw interior chamber air across silica gel desiccant beads and dehumidify the chamber. One-way flap valves are open to the chamber and closed to the exterior during this phase.
2. Circulation fan is terminated and one (1) minute of resistance heat is applied to silica gel desiccant to initiate regeneration.
3. The regeneration fan is started and draws air in an opposite direction to the first fan. This causes one-way flap valves within the chamber to close and flap valves to the exterior environment to open. Four (4) minutes of resistance heat is applied to silica gel desiccant to release the captured moisture to the chamber exterior.
4. Resistance heat to silica gel is terminated. Circulation fan continues to operate for one (1) minute with exterior air so that silica gel can return to ambient temperature.

SHOP www.belart.com

Secador® 2.0, 3.0 and 4.0 Auto-Desiccator Cabinets

Interchangeably Stackable up to 3 Units High

U.S. Patents: 6,772,534; 6,834,920; 7,114,266; 7,318,630 and D474,626



- All units have a compact 34.1W x 41.4cmD (13.4 x 16.3") footprint
- Doors open to the left
- Different colors are available to suit your needs

Size Specifications

Model	Internal Volume	Holds (12oz. soda cans)	# of Shelves	Height
2.0	1.16 cu. ft.	40	2	31.4cm (12.4")
3.0	1.55 cu. ft.	60	3	41.7cm (16.4")
4.0	1.87 cu. ft.	70	3	51.8cm (20.4")

100V

CATALOG NO.	MODEL	DESCRIPTION
F42072-1100	*2.0*	*Clear, 100V*
F42073-1100	*3.0*	*Clear, 100V*
F42074-1100	*4.0*	*Vertical Profile Clear, 100V*
F42074-1106	*4.0*	*Vertical Profile Clear, with Blue End-caps, 100V*

120V

CATALOG NO.	MODEL	DESCRIPTION
F42072-1115	*2.0*	*Clear, 120V*
F42072-1118	*2.0*	*Amber (50+% visible light blocking), 120V*
F42073-1115	*3.0*	*Clear, 120V*
F42073-1118	*3.0*	*Amber (50+% visible light blocking),120V*
F42074-1115	*4.0*	*Vertical Profile Clear, 120V*
F42074-1116	*4.0*	*Vertical Profile Clear, with Blue End-caps, 120V*
F42074-1117	*4.0*	*Vertical Profile Blue, with Clear Door, 120 V*
F42074-1118	*4.0*	*Vertical Profile Amber (50+% visible light blocking),120V*

For more detailed information on the full Secador® line see pages 88 and 97.

SHOP www.belart.com

230V

CATALOG NO.	MODEL	DESCRIPTION
F42072-1220	2.0	Clear, 230V
F42072-1228	2.0	Amber (50+% visible light blocking), 230V
F42073-1220	3.0	Clear, 230V
F42073-1228	3.0	Amber (50+% visible light blocking), 230V
F42074-1220	4.0	Vertical Profile Clear, 230V
F42074-1226	4.0	Vertical Profile Clear, with Blue End-caps, 230V
F42074-1227	4.0	Vertical Profile Blue, with Clear Door, 230V
F42074-1228	4.0	Vertical Profile Amber (50+% visible light blocking), 230V

Secador® Cabinet Replacement Shelves p. 109



Secador® 4.0 Horizontal Auto-Desiccator Cabinets

Large Wide Storage Space

U.S. Patents: 6,772,534, 6,834,920, 7,114,266, 7,318,630 and D474,626

- Internal Volume: 1.87 cu. ft.; Holds: 70 cans
- Two removable shelves
- Pull down 'oven style' door
- Overall Dimensions: 51.8W x 41.4D x 34.1cmH (20.4 x 16.3 x 13.4")

100V

CATALOG NO.	MODEL	DESCRIPTION
F42074-0100	4.0	Clear, 100V
F42074-0106	4.0	Clear, with Blue End-caps, 100V

120V

CATALOG NO.	MODEL	DESCRIPTION
F42074-0115	4.0	Clear, 120V
F42074-0116	4.0	Clear, with Blue End-caps, 120V
F42074-0117	4.0	Blue, with Clear Door, 120V

230V

CATALOG NO.	MODEL	DESCRIPTION
F42074-0220	4.0	Clear, 230V
F42074-0226	4.0	Clear, with Blue End-caps, 230V
F42074-0227	4.0	Blue, with Clear Door, 230V

For more detailed information on the full Secador® line see pages 88 and 97.

SHOP www.belart.com

Dry Keeper™ Auto-Desiccators

It's Automatic, So You Don't Have To Think About It

120 VAC electronic dehumidification system lowers relative humidity to 30-40%* and keeps dry air circulating throughout the cabinet. Permanent desiccant is contained in the control unit and has a light indicator:

- A green light indicates operation of the 4½ hour absorption period and a red light indicates operation of the ½ hour regeneration of the desiccant
- Perforated shelves facilitate full circulation of air; shelf rails offer flexibility in placement
- Dial hygrometer in door front for easy reference

*DryKeeper™ Plus lowers relative humidity to 20-30%

For additional information on Dry-Keeper™ Desiccators see page 90.

Dry-Keeper™ Vertical Auto-Desiccator Cabinet



- Interior Volume: 2.08 cu. ft.; Holds: 70 cans
- Clear methyl-methacrylate with sleek black accents
- Two adjustable shelves
- Door opens to the right
- Draws 6 watts, 120VAC, 50/60 Hz

ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
H42056-1003	*31.8 x 39.4 x 61.6cm (12½ x 15½ x 24½")*



Dry-Keeper™ Horizontal Auto-Desiccator Cabinet

- Interior Volume: 2.01 cu. ft.; Holds: 87 cans
- Clear methyl-methacrylate with sleek black accents
- Two adjustable shelves
- Pull down 'oven-style' door
- Draws 6 watts, 120VAC, 50/60 Hz

ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
H42058-0003	*61.6 x 39.4 x 32.9cm (24¼ x 15½ x 13¾")*

Dry-Keeper™ Plus Auto-Desiccator Cabinet

Lowers Relative Humidity to 20-30% in 6 Hours



- Interior Volume: 1.2 cu. ft.; Holds: 36 cans
- Insulated, ABS Plastic
- Two, evenly spaced removable shelves
- Clear door opens to the right
- Draws 10 watts, 120VAC, 60 Hz

ABS PLASTIC

CATALOG NO.	DIMENSIONS (L x W x H)
H42061-0000	*31 x 35.3 x 43cm (12 x 13⅞ x 17")*

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Gas-Ported Desiccators

Create A Controlled Environment with Dry Nitrogen Desiccation or Other Gases of Choice

Secador® Gas-Ported Desiccator Cabinets

Wide range of sizes for those who require gas purged desiccation. Rear gas ports (Mini are located on top) accept ¼" I.D. tubing.

- Durastar® co-polyester construction blocks 99% of UV light* and is resistant to staining, crazing and chemical attack; amber color units also block over 50% visible light
- Large doors maximize access to interior space and have a patented seal design, tab latches and security loops for a padlock or tamper-evident seals
- Perforated shelves facilitate circulation of dry air
- Valves can be closed to use standard desiccants

*Mini cabinets are molded of polystyrene which does not provide light blocking.

For more detailed information on the full Secador® line see page 88.



Secador® Mini Gas-Ported Desiccator Cabinet

The Perfect Choice When Benchtop Space Is at a Premium

- Internal Volume: 0.31 cu. ft.; Holds: 12 cans
- Clear polystyrene for easy viewing of contents
- Door opens to the left
- Overall Dimensions: 33.8W x 25.4D x 35.6cmH (13.3 x 10 x 14"); Height without gas ports: 21.6cm (8.5")

PS

CATALOG NO.	DESCRIPTION
F42075-1002	*Mini, Clear Polystyrene, with Gas Ports*

Note: The Mini Desiccator model is molded of polystyrene and does not block UV light. For ultimate UV protection, select a Secador® 1.0 model or larger.

SHOP www.belart.com

Secador® 1.0, 2.0, 3.0 and 4.0 Gas-Ported Desiccator Cabinets

Interchangeably Stackable up to 3 Units High

U.S. Patents: 6,834,920; 7,318,630 and D474,626





- All units have a compact 34.1W x 41.4cmD (13.4 x 16.3") footprint
- Doors open to the left
- Different colors are available to suit your needs

Rear Gas Ports

Size Specifications

Model	Internal Volume	Holds (12oz. soda cans)	# of Shelves	Height
1.0	0.74 cu. ft.	20	1 (fixed)	21.3cm (8.4")
2.0	1.16 cu. ft.	40	2	31.4cm (12.4")
3.0	1.55 cu. ft.	60	3	41.7cm (16.4")
4.0	1.87 cu. ft.	70	3	51.8cm (20.4")

Secador® 1.0, 2.0, 3.0 and 4.0 Desiccator Cabinets

CATALOG NO.	MODEL	DESCRIPTION
F42071-0002	*1.0*	*Clear, with Gas Ports*
F42071-0009	*1.0*	*Amber, with Gas Ports (50+% visible light blocking.)*
F42072-1002	*2.0*	*Clear, with Gas Ports*
F42072-1009	*2.0*	*Amber, with Gas Ports (50+% visible light blocking.)*
F42073-1002	*3.0*	*Clear, with Gas Ports*
F42073-1009	*3.0*	*Amber, with Gas Ports (50+% visible light blocking.)*
F42074-1002	*4.0*	*Clear, with Gas Ports*
F42074-1009	*4.0*	*Amber, with Gas Ports (50+% visible light blocking.)*

Secador® Cabinet Replacement Shelves p. 109

For more detailed information on the full Secador® line see page 88.

SHOP www.belart.com

Secador® 4.0 Horizontal Profile Gas-Ported Desiccator Cabinet

Large Wide Storage Space



U.S. Patents: 6,834,920, 7,318,630 and D474,626

- Internal Volume: 1.87 cu. ft.; Holds: 70 cans
- Two removable shelves
- Pull down 'oven style' door
- Interchangeably stackable up to 3 units
- Overall Dimensions:
  51.8W x 41.4D x 34.1cmH (20.4 x 16.3 x 13.4")

CATALOG NO.	DESCRIPTION
F42074-0002	*Clear, with Gas Ports*

Bundled Secador® Gas-Ported Desiccator Cabinets in Amber Color

Save Dollars, Save Space with Bundles

U.S. Patents: 6,834,920, 7,318,630 and D474,626



- Amber color offers increased protection from light sources, reducing visible light penetration by over 50% and blocking 99% of UV light
- Compact 34.1W x 41.4cm D (13.4 x 16.4") footprint
- Save when you purchase bundles of multiple units
- Stackable up to 3 units high
- Doors open to the left

CATALOG NO.	DESCRIPTION	TOTAL INTERIOR VOLUME
F42074-0430	*3.0, 4.0 - Amber, with Gas Ports*	*3.42 cu. ft.*
F42074-0440	*4.0, 4.0 - Amber, with Gas Ports*	*3.74 cu. ft.*
F42074-0442	*2.0, 4.0, 4.0 - Amber, with Gas Ports*	*4.90 cu. ft.*
F42074-0443	*3.0, 4.0, 4.0 - Amber, with Gas Ports*	*5.29 cu. ft.*
F42074-0444	*4.0, 4.0, 4.0 - Amber, with Gas Ports*	*5.61 cu. ft.*

For more detailed information on the full Secador® line see page 88.

SHOP www.belart.com

NEW PRODUCT!

Techni-Dome®
Gas-Ported Desiccator



U.S. Patents: 7,594,342 and D556,895 S

This large, domed desiccator is made from laboratory grade polycarbonate for a clear, unobstructed view of contents. Users will appreciate the roomy interior, portability and ease of use. Two gas ports accept ¼" I.D. tubing and have easy turning PTFE stopcocks to facilitate the turbulence-free entrance of gases, minimizing disturbance of the contents.

- Interior Volume: 2.29 cu. ft.; Holds: 101 cans
- Two removable polypropylene, 36.5cm and 22.5cm diameter (14.5" and 9") shelves
- Side handles provide easy portability and can be used to affix a lock or tamper-evident seals
- Holds a full vacuum (29" Hg, 737mm) at room temperature for 24 hours; a high quality silicone gasket ensures that the desiccator will remain airtight even when not under vacuum
- Gas ports can be closed to allow use with standard desiccants

PC

CATALOG NO.	DESCRIPTION	DIMENSIONS (W x H)
F42029-0001	*Techni-Dome® Gas-Ported Desiccator (2 gas ports)*	*60 x 60cm (22 x 22")*

For more detailed information on Techni-Dome® Desiccators, see page 90.

Dry-Keeper™ Gas-Ported Desiccator Cabinet



- Interior Volume: 0.14 cu. ft.; Holds: 6 cans
- Clear polystyrene
- Pull down door slides out of the way into a compartment located underneath the cabinet
- Includes a small tray for desiccant
- Gas ports accept ¼" I.D. tubing

PS

CATALOG NO.	DIMENSIONS (L x W x H)
H42053-0002	*21 x 28 x 17cm (8¼ x 11 x 6¾")*

For more detailed information on Dry-Keeper™ Desiccators, see page 90.

SHOP www.belart.com

Vacuum Desiccators

"SPACE SAVER" Vacuum Desiccators

Small Space, Top Performance

'Space Saver' Desiccators will hold a full vacuum (29.9" Hg 75.9cm) at room temperature for 24 hours and remain airtight even if not under vacuum.

- Polypropylene stopcock with PTFE plug accepts 6.4mm (¼") I.D. tubing and allows a controlled entrance of air preventing unnecessary turbulence
- Flat-top dome maximizes interior space
- A neoprene O-ring assures a tight seal down to 0˚C without the need for grease (ring will not be harmed if grease is used.)
- All models include a 0.32 cm (⅛") thick perforated plate.





A. White Polypropylene Bottom - Can support incandescent crucibles on Minerit HD High Heat Desiccator Plates, available separately, page 108. **Per each, 4 per case.**

CATALOG NO.	FLANGE O.D.	INSIDE DIAMETER	PLATE DIAMETER	OVERALL HEIGHT	CLEARANCE ABOVE PLATE
F42010-0000	17.1cm (6¾")	14.9cm (5⅞")	14cm No.3	20.6cm (8⅛")	12.1cm (4¾")
F42020-0000	23cm (9⁹⁄₁₆")	19.7cm (7¾")	19cm No.4	26cm (10¼")	15.7cm (6³⁄₁₆")
F42025-0000	27.3cm (10¾")	24cm (9⁹⁄₁₆")	23cm No.5	31.1cm (12⅛")	19.7cm (7¾")

B. All-Clear Polycarbonate Bottom - Offers increased viewing visibility from more angles. **Per each.**

CATALOG NO.	FLANGE O.D.	INSIDE DIAMETER	PLATE DIAMETER	OVERALL HEIGHT	CLEARANCE ABOVE PLATE
F42012-0000	17.1cm (6¾")	14.9cm (5⅞")	14cm No.3	20.6cm (8⅛")	12.1cm (4¾")
F42022-0000	23cm (9⁹⁄₁₆")	19.7cm (7¾")	19cm No.4	26cm (10¼")	15.7cm (6³⁄₁₆")
F42027-0000	27.3cm (10¾")	24cm (9⁹⁄₁₆")	23cm No.5	31.1cm (12⅛")	19.7cm (7¾")

SHOP www.belart.com

NEW PRODUCT!



Techni-Dome® Vacuum Desiccator

U.S. Patents: 7,594,342 and D556,895 S

This large, domed desiccator is made from laboratory grade polycarbonate for a clear, unobstructed view of contents. Users will appreciate the roomy interior, portability and ease of use. Gas-port accepts ¼" I.D. tubing and has an easy turning PTFE stopcock which allows for the gentle entrance of air and minimal disturbance to the inside chamber and its contents.

- Interior Volume: 2.29 cu. ft.; Holds: 101 cans
- Two removable polypropylene, 36.5cm and 22.5cm diameter (14.5" and 9") shelves
- Side handles provide easy portability and can be used to affix a lock or tamper-evident seals
- Gas port can be closed to allow use with standard desiccants when vacuum is not required

PC

CATALOG NO.	DESCRIPTION	DIMENSIONS (W x H)
F42029-0000	*Techni-Dome® Vacuum Desiccator (1 gas port)*	*60 x 60cm (22 x 22")*

For more detailed information on Techni-Dome® Desiccators, see page 90.

Mini Vacuum Desiccator

Ideal for Small Samples

- Interior Volume: 0.015 cu.ft.
- Vacuum rating of 740mm Hg (29")
- Clear polycarbonate top; white polypropylene bottom
- Stopcock with 2mm PTFE plug uses ¼" tubing
- Peripheral flange around the bottom fits into two snap locks and seals the two halves against a Buna-O-Ring.



PC PP TEFLON®

CATALOG NO.	DIMENSIONS (DIAM. x H)
F41099-0000	*17.5 x 12.6cm (6¾" x 5")*



Vacuum Chamber and Plate

For Vacuum Drying, Degassing and Teaching Demonstrations

- Interior Volume: 0.21 cu. ft.
- Can withstand a full vacuum at room temperature
- Clear polycarbonate top
- ABS plastic plate and O-ring seals the top against the chamber's flange
- Stopcock with 2mm PTFE plug uses ¼" tubing

PC PP ABS PLASTIC TEFLON®

CATALOG NO.	DIMENSIONS (DIAM. x H)
F42043-0000	*22.8 x 16cm (9" x 6¼")*

SHOP www.belart.com



Secador® Auto-Desiccator Module Desiccant Replacement Beads

Color-indicating silica gel beads for use in refilling the Secador® auto-desiccator module. Silica gel absorbs moisture from the air and is inert, non-toxic and non-corrosive. Unlike other desiccants, silica gel is non-friable and won't disintegrate into powder even after repeated regeneration. Beads contain a color-changing moisture indicator that turns from blue to light pink, indicating that the silica gel is saturated and can not absorb additional moisture. Secador® auto-desiccator modules automatically regenerate the silica gel beads for thousands of cycles; however, when beads turn pink/dark brown, and fail to regain their blue color, it is time to replace the beads with a fresh supply.

CATALOG NO.	DESCRIPTION
F42074-0020	*26g Bottle to fill Secador® Auto-Desiccator Modules*

Desiccant in a Cartridge



Disc Shape Fits Perfectly in "Space-Saver" Desiccators

Convenient, easy-to-handle cartridges with Natrasorb® TI indicating silica gel beads. Beads change color from blue when dry to pink when moist and are contained in a durable, polyester felt bag with a perforated Mylar® cover sealed in place. Saturated gel can be regenerated in a 150ºC (300ºF) vented oven for 3 hours or more (depending on size) until blue color returns. May be regenerated repeatedly without degradation. Fits "Space Saver" desiccators (see page 94), in addition to other plastic desiccators of similar size. Individually sealed in moisture proof pouches.

CATALOG NO.	FOR DESICCATOR DIAMETER UP TO	DESICCANT	CARTRIDGE DIAMETER	WEIGHT
F42045-0160	*16cm (6.3")*	*175g*	*11.4cm (4.5")*	*0.23kg (½ lbs)*
F42045-0200	*20cm (7.9")*	*650g*	*19.7cm (7.8")*	*0.68kg (1½ lbs)*
F42045-0250	*25cm (9.9")*	*1135g*	*23.8cm (9.4")*	*1.36kg (3 lbs)*



Reusable/Disposable Desiccant Cartridges

Use Anywhere Desiccation Is Needed, Including Analytical Balance Cases and Precision Laboratory Instruments

Clear polystyrene dish allows instant visual inspection of silica gel, which changes in color from blue to pale pink as it absorbs moisture. A highly porous membrane covers the dish providing excellent moisture absorption. Desiccant can be easily regenerated by heating cartridges in a 50ºC (122ºF) oven overnight. For more rapid drying, cut the membrane, transfer the spent gel crystals into a glass or porcelain dish, and place in a 150ºC (300ºF) oven for one hour. Silica gel is inert, non-corrosive and non-toxic. Fits "Space Saver" desiccators (see page 94), in addition to other plastic desiccators of similar size. **6 per pack,** individually foil sealed.

CATALOG NO.	DESICCANT	CARTRIDGE DIAMETER
F42048-0065	*16g*	*6.5cm (2½")*
F42048-0100	*38g*	*10cm (4")*

SHOP www.belart.com

Desi Can™ Reusable Desiccant Canister



Neat and Tidy Desiccant Storage

Silica gel effectively absorbs moisture through perforations in the aluminum case. One canister of Reusable Desi-Can™ Canister maintains a safe level of humidity in 0.09 cubic meter (3 cubic ft.) of space. Excellent for use in closets, containers, tool boxes, camera cases and other storage areas to prevent rust and moisture. It can be regenerated in a 150º C (300º F) oven in about 3 hours for unlimited life. A monitor window shows blue when recharged and pink when saturated.

ALUMINUM

CATALOG NO.	DIMENSIONS (L x W x H)
F42046-0000	*5.1 x 10.2 x 1.3cm (2 x 4 x ½")*

Replacement Stopcocks



Polypropylene body has Teflon® TFE plug, washer and bright red handle. Taper fits on desiccator port, and the plug is 3 way for vacuum draw, shut-off and vacuum release. Use on Desiccator Models: F42010, F42012, F42020, F42022, F42025, F42027, F41099, F42029 and F42043. **Per each, 24 per case.**

PP TEFLON®

CATALOG NO.	DESCRIPTION
F42040-0000	*Side Arm Accepts Tubing ¼ to ⅜" I.D.*



High Heat Minerit HD Desiccator Plates

Three Diameters to fit "Space Saver" Desiccators

These desiccator plates are able to withstand temperatures up to 150ºC (300ºF), have excellent resistance to thermal shock, are non-combustible, asbestos free, stable, and chemical-resistant. Perforated with 6mm (0.25") diameter holes on 25mm (1") centers in a straight line pattern, they fit "Space Saver" desiccators (see pages 94 and 105), in addition to other plastic desiccators of similar size.

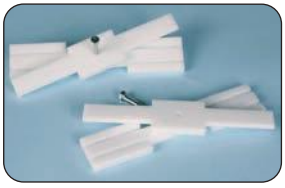
CATALOG NO.	DIAMETER	THICKNESS
F42038-0140	*14cm*	*4.8mm*
F42038-0190	*19cm*	*4.8mm*
F42038-0230	*23cm*	*4.8mm*

SHOP www.belart.com

Secador® Cabinet Replacement Shelves

Perforated, clear polystyrene shelves to fit non-electric and auto-desiccator models. 4.0 units can be converted from vertical to horizontal configuration or vice versa by turning the unit and ordering the appropriate number of shelves.

CATALOG NO.	DESCRIPTION
F42074-1001	*Fits 1.0 (non-carrying case), 2.0, 3.0 and 4.0 (vertical) Models*
F42074-0001	*Fits 4.0 Horizontal Models*



Brackets for 4.0 Horizontal Secador® Desiccator

Vertically Stack Horizontal Profile Secador® Desiccators

Bracket set permits vertical stacking of horizontal profile Secador® desiccators up to three units high. Brackets are made from ½" thick, white, high-density polyethylene for strength and durability, and can be installed in less than five minutes. Fit a pair of brackets onto each end cap of the horizontal profile Secador®, place second Secador® on top and then tighten the included bolt. Set includes two bracket pairs to stack two desiccators.

CATALOG NO.	DESCRIPTION
F42074-1500	*Horizontal Secador® Stacking Brackets (2)*

Vacuum Pressure Indicator

Easy Installation. Know at a Glance Whether Your Desiccator Is Under Vacuum

Fits easily onto the tapered end of the stopcock. The thermoplastic elastomer collapses when there is a negative vacuum pressure in the desiccator and expands when vacuum is absent.



CATALOG NO.
H42042-0000



Drying Tubes with Tube Fittings

Can Be Filled with Desiccant of Your Choice

Unbreakable polyethylene straight tubes, 16mm I.D. x 19mm O.D. (⅝ x ¾"). Each tube is supplied with two polypropylene fittings which accept 6.4 to 9.5mm (¼ to ⅜") I.D. tubing. Drying agent not included. **12 per bag.**

LDPE PP

CATALOG NO.	DESCRIPTION
F19960-0000	*10.2cm (4")*
F19961-0000	*15.2cm (6")*
F19962-0000	*20.3cm (8")*
Extra Tube Fittings:	***12 per bag, 12 dozen per case***
F19965-0000	*Serrated Tapered End*



Vikem® Vinyl Coated Lead Rings
Don't Let Anything Float Away, Page 112



Round Bottom Flask Support
Cradle Your Samples Securely, Page 116



Flow Monitor
Red Paddle Wheel Spins Freely with Flow, Page 123



Poxygrid® Round Bottom Flask Carrier
Flasks are Secure and Ready for Transport, Page 117

SHOP www.belart.com



Lead Weights with Vikem® Vinyl Coating

Protect and Stabilize Expensive Glassware

- Stabilizes vessels in water baths and on benchtops
- Added insurance against tipping and possible chemical spills
- Closed ring fits over flask and seats against the shoulder
- Versatile open “C” Shape ring fits around vacuum filtering flasks, tubing and wide shapes

Round Lead Rings with Vikem® Vinyl Coating



Reduces Breakage, Floating and Spills

Vikem® vinyl coated lead rings stabilize glassware immersed in water baths thereby reducing floating, breakage and chemical spills. The bright red Vikem® vinyl coating is chemical-resistant and will not scratch flasks. Available in five diameter/weight combinations.

VIKEM® VINYL

CATALOG NO.	APPROX. WEIGHT	O.D.	I.D.	FITS GLASSWARE
F18307-0003	165gm (0.36lb)	51mm (2.0")	19mm (0.74")	5-10ml cylinders
F18307-0005	227gm (0.5lb)	76mm (3.0")	43mm (1.7")	125-500ml flasks
F18307-0010	454gm (1.0lb)	89mm (3.5")	51mm (2.0")	250-1000ml flasks
F18307-0015	681gm (1.5lb)	102mm (4.0")	56mm (2.2")	500-2000ml flasks
F18307-0020	908gm (2.0lb)	114mm (4.5")	71mm (2.8")	1000-4000ml flasks

SHOP www.belart.com

"C"-Shape Open Lead Ring with Vikem® Vinyl Coating



No Need to Remove Tubing

Rings fit neatly around the neck of filtering flasks with side-arm tubing connections without disconnecting the tubing. The open ring, made of lead and coated with green Vikem® vinyl to protect glassware, is flexible enough to be pulled apart to accommodate a wider vessel. Available in four diameter/weight combinations.

VIKEM® VINYL

CATALOG NO.	APPROX. WEIGHT	O.D.	I.D.	FITS GLASSWARE
F18308-0500	*227gm (0.5lb)*	*74mm (2.9")*	*48mm (1.9")*	*125 - 500ml flasks*
F18308-1000	*454gm (1.0lb)*	*86mm (3.4")*	*56mm (2.2")*	*250 - 1000ml flasks*
F18308-2000	*681gm (1.5lb)*	*97mm (3.8")*	*61mm (2.4")*	*500 - 2000ml flasks*
F18308-4000	*908gm (2.0lb)*	*114mm (4.5")*	*76mm (3.0")*	*1000 - 4000ml flasks*

SHOP www.belart.com

Poxygrid® Lead Ring Holder



Convenient Storage for Lead Rings

Wire formed, epoxy coated holder keeps lead rings organized and handy. Occupying very little space, the circular base is only 19cm (7½") in diameter. Rings having an inside diameter of 17.8mm (0.7") or larger stack neatly on a tapered center post which is 17.1cm (6¾") high. Steam autoclavable at 121˚C (250˚F).

CATALOG NO.
F18307-1000



"Wire" Lead Weight with Vikem® Vinyl Coating

Conforms to Any Shape

These lead weights can be coiled into a helix, spiral, cone or any irregular shape to stabilize vessels in a water bath. They can be coiled around flasks, threaded through handles or looped around bottle necks. Available in two diameters, they are coated with chemical resistant red Vikem® vinyl. The 30cm (12") length and flexibility make them very versatile. **Per each, 5 per case.**

VIKEM® VINYL

CATALOG NO.	DIAMETER	WEIGHT
F18324-0000	6.4mm (¼")	114 gm (4oz)
F18324-0001	8mm (5/16")	176 gm (6.2oz)

Lead Sheets with Vikem® Vinyl Coating



Bend and Shape to Hold Down Any Size Container

Soft lead sheet coated with flexible Vikem® vinyl has many uses for stabilizing laboratory equipment in water baths or any application where extra weight is needed. Sheets may be bent into cylinders, "S" curves, "U" curves or twists. The Vikem® vinyl coating prevents the lead from leaving marks on other equipment. Coated lead sheets are 2.2mm (0.085") thick. **Per each, case listed below.**

VIKEM® VINYL

CATALOG NO.	DIMENSIONS	WEIGHT	CASE
F18321-0027	51 x 178mm (2 x 7")	163gm (0.36 lb)	6
F18321-0212	51 x 305mm (2 x 12")	281gm(0.62 lb)	6
F18321-0824	203 x 610mm (8 x 24")	2238gm (4.93 lb)	3

Use Aqua-Clear™ Water Bath Conditioner, See Page 71

SHOP www.belart.com

Filtering Flask with Side Arm

Polypropylene flask has side-arm at 45˚ downward angle to prevent tipping. Arm accepts flexible tubing from ⅜" to ½" I.D.



PP A

CATALOG NO.	CAPACITY
H38941-0000	1000ml



Weighted Beaker/Flask Holders with Vikem® Vinyl Coating

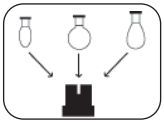
Eliminate Drifting and Tipping in Cool or Hot Water Baths

Weighted holder grips beakers or flasks firmly with four flared stainless steel prongs. The Vikem® vinyl-coated lead ring secured beneath the holder keeps container immersed in water, provides a low center of gravity and allows water to circulate underneath the beaker. Can be used in boiling liquid up to 135˚C(275˚F) for 1 hour.

STAINLESS STEEL VIKEM® VINYL

CATALOG NO.	FITS BEAKER	WEIGHT	DIAMETER
F18309-0100	100ml	208gm (0.46lb)	6.0cm (2⅜")
F18309-0250	250ml	340gm (0.75lb)	8.0cm (3⅛")

Flaskup™ Flask Holders



Holds Round Bottom Flasks

Made from polypropylene, these unique holders are durable and easy-to-clean. The inside wall has a slight taper to the open bottom, allowing a variety of flask shapes and sizes to fit into one holder. The wide base keeps flasks stable and side slots can be used as sight windows. Autoclavable at 121°C (250°F). **3 per package, 8 packages per case, except assortment pack.**



PP A

CATALOG NO.	FITS FLASK SIZE	BOTTOM SLOT	TOP SLOT	LENGTH OF SLOT
F38951-2000	10ml	4.2mm	4.9mm	21.4mm
F38951-2002	25ml	4.2mm	4.9mm	22.8mm
F38951-2004	50ml	4.2mm	4.9mm	24.2mm
F38951-2006	100ml	5.7mm	6.3mm	31.4mm
F38951-2010	250ml	5.4mm	7.8mm	44.6mm
F38951-2012	500ml	6.8mm	9.4mm	53.5mm
F38951-2008	Assortment Pack; 3 each 10, 25, 50, and 100ml flask sizes			

SHOP www.belart.com

Round-Bottom Flask Support



Stepped Holder Cradles Flasks

Round-bottom flasks of any size up to 10 liters are cradled securely in the stepped concentric rings of this support. Racks can be stacked together for convenient storage. Polypropylene construction is not affected by spilled acids, alkalis or other corrosive liquids. Steam autoclavable at 121°C (250°F). **Per each, 6 per case.**

PP A

CATALOG NO.	DIMENSIONS (DIAM. X H)
F38950-0000	*17.1 x 5.1cm (6¾ x 2")*

NEW PRODUCT!





Foil Cover-ALLS™

Stop Wasting Time and Money on Rolls of Aluminum Foil!

Economical and disposable covers provide dust-free storage of clean labware. Available in four sizes, they are pre-formed to quickly cover a wide variety of labware using only one hand! Great for use in centralized washing areas where cleaned labware needs to be transported back to the lab while remaining clean and contaminant-free. Cover-ALLS™ are autoclavable at 121˚C (250˚F) and are perfect for providing a temporary, sterile boundary for autoclave sterilization of labware. **Per box, 10 boxes per case.**

A

CATALOG NO.	DIAMETER AT BASE	HEIGHT	FLAT DIAMETER	PACK BOX
F13200-1035	*1.5" base*	*1.00" wall ht.*	*3.5" diameter*	*252*
F13200-1045	*2.0" base*	*1.25" wall ht.*	*4.5" diameter*	*256*
F13200-1055	*2.0" base*	*1.75" wall ht.*	*5.5" diameter*	*252*

For a Wide Variety of Specialized Safe-Lab™ T Stoppers, See Pages 400-405

SHOP www.belart.com

Super Polyfoil™ Wrap

Autoclaving Wrap, Cover Sheet and Chemical Barrier

Polyester backed foil provides a chemically inert barrier to cover vessels for autoclaving, incubating or storage. A thermoplastic layer is laminated to 1mil foil which folds easily, flattens without kinking, and is resistant to punctures, tears and corrosion. The polyester film blocks any possible pinholes, resists organic solvents and caustic agents and complies with FDA regulations governing direct food contact applications. **100 sheets per box.**



A

CATALOG NO.	SIZE
F13200-0044	*10.2 x 10.2cm (4 x 4")*
F13200-0066	*13 x 13.0cm (5⅛ x 5⅛")*
F13200-0088	*20.3 x 20.3cm (8 x 8")*

NEW PRODUCT!



Round Bottom Flask Carrier - Poxygrid®

Securely Transport Flasks

The only epoxy-coated wire rack that can hold four round bottom flasks ranging in size from 100ml to 500ml. Height-adjustable polypropylene clips secure the necks of a wide variety of flasks. 25.4cm x 25.4cm footprint, 23.5cm high (10" x 10" x 9¼" H). Steam autoclavable at 121°C (250°F).

A

CATALOG NO.	DESCRIPTION
F16951-0002	*Poxygrid® Round Bottom Flask Carrier with Clips*
F16951-0004	*Round Bottom Flask Carrier Replacement Clips*

Vac-Ring™ Filter Seal

Prevents Air Leaks

Slips easily onto Buchner funnel stems and seals-off the filter flask mouth to prevent air leaks during vacuum filtration. The center hole on the Vac-Ring™ fits funnel stems up to 22mm (⅞") diameter. Made of chemical-resistant black neoprene, the 9.5mm (⅜") thick by 76mm (2⅞") O.D. ring is wide enough to fit filter flasks up to 4000ml.



CATALOG NO.
H38959-0000

SHOP www.belart.com



Riteflow™ Flowmeters

Compatible with a Wide Range of Gases or Liquids for Laboratory or Plant Applications

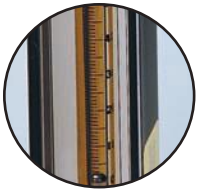
Used for flow measurements in the lab, process flows in pilot plants, metering carrier gases in chromatography, indicating and controlling gases in manufacturing processes and for indicating flow rates in pumping or flow systems. Formed from heavy-walled, shock-resistant borosilicate glass, these flowmeters can be used at operating pressures up to 200 p.s.i.g. and maximum temperatures of 121ºC (250ºF). They feature fused ceramic scales that are accurate to within ±2% of full scale. Repeatability is 0.25%. Uniformly tapered bores have internal rib guides to stabilize the glass, stainless steel or carboloy floats. Flow measurement is taken by reading the center of the float on the universal scale. The number on the scale corresponds to a flow rate for the given fluid or gas on a calibration chart that is supplied. Flowmeters are available in four styles. 65mm scale, sizes 1-6 and 150mm scale sizes 1-5.

I. **Unmounted Flowmeters**

II. **Guarded Flowmeters**

III. **PTFE Mounted Flowmeters**

IV. **Aluminum Mounted Flowmeters**



Universal Millimeter Scales - 65mm and 150mm

Millimeter scales indicate the height to which the float rises within the flowmeter and are correlated with specific flow rates through the use of appropriate calibration data sheets or curves. Scales of this type permit utilization of a given flowmeter for a great number of different fluids at diverse pressure and temperature conditions.

See Tables of Standard Flow Capacities, On Page 124



I. Riteflow™ Flowmeters with Plain Ends (Unmounted)

Flexible tubing is connected directly to the top and bottom of the flowmeter and can be held in place with a clamp. Maximum pressure is 200 p.s.i.g., maximum operating temperature is 121ºC (250ºF).

65mm scale, 8cm (3⅛") overall length.

CATALOG NO.	SIZE	O.D. INLET/OUTLET
H40400-0005	*1*	*9.5mm / 9.5mm (⅜ . ⅜")*
H40400-0010	*2*	*9.5mm / 9.5mm (⅜ . ⅜")*
H40400-0020	*4*	*9.5mm / 9.5mm (⅜ . ⅜")*
H40400-0025	*5*	*12.3mm / 11.9mm (¾ . 15/32")*
H40400-0030	*6*	*14.3mm / 12.7mm (9/16 . ½")*

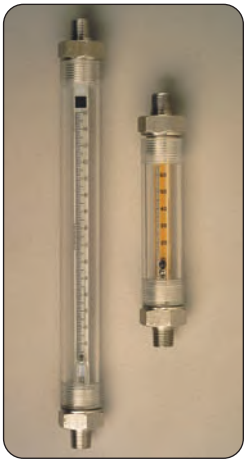
150mm scale, 19cm (7½˝) overall length.

CATALOG NO.	SIZE	O.D. INLET/OUTLET
H40401-0035	*1*	*9.5mm / 9.5mm (⅜ . ⅜")*
H40401-0075	*2*	*9.5mm / 9.5mm (⅜ . ⅜")*
H40401-0125	*3*	*9.5mm / 9.5mm (⅜ . ⅜")*
H40401-0215	*4*	*12.7mm / 12.7mm (½ . ½")*
H40401-0305	*5*	*12.7mm / 14.3mm (½ . 9/16")*

For Teflon® Tubing, See Page 418

SHOP www.belart.com

II. Riteflow™ Guarded Flowmeters



Guarded tubes provide additional protection against breakage, especially when used under high pressure. Includes one flowmeter inserted into a plastic cylindrical guard which has two end bushings, 6.3mm (¼") NPT fittings and an O.D. of 25.4mm (1"). Maximum operating pressure 200 p.s.i.g. with a maximum operating temperature of 65.5ºC (150ºF).

65mm scale, 15.2cm (6") overall length.

CATALOG NO.	SIZE
H40402-0010	*2*
H40402-0015	*3*
H40402-0025	*5*
H40402-0030	*6*

150mm scale, 26.3cm (10⅜˝) overall length.

CATALOG NO.	SIZE
H40403-0055	*1*
H40403-0095	*2*
H40403-0145	*3*
H40403-0235	*4*
H40403-0325	*5*

Refer to Flow Rate Charts for Selection, On Page 124

Riteflow™ Mounted Flowmeters

Aluminum Housing with Built-In Valves for Ease of Use

Flowmeters are housed in a black anodized aluminum frame that features an exclusive tube-lock to prevent turning during locking. Once in place, the meter will not shift under pressure or vacuum. A special magnifying window runs the entire length of the scale for easy reading of flow measurements. Tubing connectors are rear mounted for attachment to an instrument when used as a bench stand. A Leveling Base (optional) assures that the meter is vertical, eliminating error caused by friction between the float and tube.



III. Riteflow™ PTFE Mounted Flowmeters

Mounted Flowmeters with PTFE Fittings have high chemical resistance and purity and have 9.5mm (⅜˝) straight glass connectors with PTFE and Kel-F® valves. Specifications: Maximum operating pressure 100 p.s.i.g. and maximum operating temperature 65.5ºC (150ºF). *Note: Riteflow™ PTFE mounted flowmeter is shown on leveling base sold separately, page 123.*

65mm scale: Dimensions are 15.9 x 3.2cm wide (6¼ x 1¼"). 1.3cm (½") mounting holes are located 14cm (5½") center to center.

CATALOG NO.	SIZE
H40404-0005	*1*
H40404-0010	*2*
H40404-0020	*4*
H40404-0030	*6*

150mm scale: Dimensions are 266 x 31.8mm wide (10½ x 1¼").12.7mm (½") mounting holes are located 247mm (9¾") center to center.

CATALOG NO.	SIZE
H40405-0035	*1*
H40405-0075	*2*
H40405-0215	*4*

SHOP www.belart.com

IV. Riteflow™ Aluminum Mounted Flowmeters



Mounted Flowmeters with Aluminum Fittings are economical and have Buna-N, 316 stainless steel and Delrin® valves with hose barbs that accept tubing from 8mm (5/16″) to 9.5mm (3/8″) I.D., which can be removed for use with female 3.2mm (1/8″) NPT fittings. Specifications: Maximum operating pressure 200 p.s.i.g. and maximum operating temperature 121ºC (250ºF).

65mm scale: Dimensions are 15.8 x 3.2cm wide (6¼ x1¼"). 1.6cm (⅝") mounting holes are located 11.4cm (4½") center to center.

CATALOG NO.	SIZE
H40406-0005	*1*
H40406-0010	*2*
H40406-0015	*3*
H40406-0020	*4*
H40406-0025	*5*
H40406-0030	*6*

150mm scale: Dimensions are 26.6cm x 3.2cm wide (10½ x 1¼"). 1.6cm (⅝") mounting holes are located 22.2cm (8¾") center to center.

CATALOG NO.	SIZE
H40407-0035	*1*
H40407-0075	*2*
H40407-0125	*3*
H40407-0215	*4*
H40407-0305	*5*



Roto-Flo™ Flow Indicators

Colored Paddle Wheels Go with the Flow

- Immediate visualization of flow
- Brightly colored polypropylene paddle wheel spins when gas or liquid flows through a system

Molded clear polystyrene body with smooth connecting barbs for easy installation. Internal flow channel diameter is 5mm, paddle wheel shell is 25mm, overall length is 51mm. Maximum recommended pressure is 10 p.s.i.g. Minimum flow: 0.5 LPM. Maximum flow: 10 LPM. Not for use with corrosive chemicals or fluids with a temperature in excess of 64ºC (147ºF). **Per each, 12 per case.**

PP PS

CATALOG NO.	FITS TUBING I.D.	TUBE ENDS	WHEEL COLOR
H19937-0001	*4.8 to 6.4mm (3/16 to ¼")*	*Straight*	*Blue*
H19937-0002	*6.4 to 7.9mm (¼ to 5/16")*	*Barbed*	*Red*
H19937-0003	*7.9 to 12.7mm (5/16 to ½")*	*Barbed*	*Green*



Flow Indicator

Provides Immediate Visual Indication of Water/Liquid Flow

- Highly visible, nylon indicator ball is housed in clear polycarbonate and rotates in circular channel during flow
- Continuity and relative flow rate indicated by speed of ball's rotation
- An arrow shows direction of flow

A minimum water flow rate of 100/ml per minute in a horizontal position and 140ml per minute in a vertical position is required to mobilize the ball. Upper flow limit is in excess of 1 liter/minute. Maximum working pressure is 10 p.s.i.g. (69 kN/m2). The polycarbonate indicator measures 30 x 57mm (1⅛ x 2¼") with two 23mm (.9") long tube extensions to accept 6.4mm (¼") to 9.5mm (⅜") I.D. tubing. Overall size is 76 x 57mm (3 x 2¼") **Per each, 12 per case.**

PC

CATALOG NO.
H19935-0000



Leveling Base Kit

Assures that the flowmeter is exactly vertical eliminating error caused by friction between the float and the flow tube. The triangular base is 15.2cm (6˝) Plexiglas® with three adjustable feet and vial level.

CATALOG NO.
H40404-1000

SHOP www.belart.com

Tables of Standard Flow Capacities

Flow capacities shown in the following tables are based on calibrations for air and water at standard conditions (21.1°C (70°F) and 14.7 psia/l atm). Correlation data for other fluids is available as well as special sizes and floats. For further information contact Bel-Art Technical Support.

Useful metering ratios are 10:1 or better. 150mm flowmeters may be used with dual float combinations to increase metering ratio to 20:1. 65mm flowmeters are supplied with two different floats (which must be used separately) resulting in a 20:1 metering ratio.

SIZE NO.	FLOAT	65MM AIR FLOW RANGE ML/MIN	65MM WATER FLOW RANGE ML/MIN
1	G	0.75 to 5.77	0.01 to 0.07
	SS	1.40 to 16.67	0.02 to 0.28
2	G	2.80 to 48.70	0.01 to 0.55
	SS	8.10 to 145.00	0.10 to 2.38
3	G	13.10 to 202.10	0.18 to 2.64
	SS	45.00 to 522.00	0.76 to 12.01
4	G	28 to 1249	0.56 to 26.97
	SS	90 to 2520	3.73 to 70.67
5	G	853 to 6318	4 to 147
	SS	1973 to 12058	42 to 364
	C	N/A	N/A
6	G	1992 to 22575	36 to 522
	C	6082 to 58500	176 to 1866

SIZE NO.	FLOAT	150MM AIR FLOW RANGE ML/MIN	150MM WATER FLOW RANGE ML/MIN
1	G	1.8 to 23	0.02 to 31
	SS	6.4 to 73	0.09 to 1.25
2	G	21 to 37	0.23 to 5.5
	SS	36 to 814	1.11 to 20.40
3	G	185 to 2313	1.6 to 53.5
	SS	480 to 4562	9.4 to 130.4
4	G	333.4 to 8678	3 to 209.5
	SS	995.9 to 16737	18.8 to 506.3
5	G	545.3 to 23564	13.1 to 567.90
	SS	1790.0 to 44336	55.3 to 1369.90
	C	2897.3 to 65898	92.7 to 2108.70
6	G	N/A	N/A
	C	N/A	N/A

1 ml/min = .0021 ft.3/hr.
Floats: G = Glass, SS = Stainless Steel, C = Carboloy

Maximum Flow Capacities for Routine Gases

15cm Flowtubes (Minimum flow x 10% maximum)

SIZE NO.	FLOAT	ARGON STD ML/MIN	ARGON SCFH	CARBON DIOXIDE STD ML/MIN	CARBON DIOXIDE SCFH	HELIUM STD ML/MIN	HELIUM SCFH
1	G	19	0.040	28	0.059	20	0.042
	SS	59	0.125	85	0.180	67	0.142
2	G	322	0.681	305	0.646	441	0.934
	SS	708	1.497	672	1.422	1297	2.745
3	G	1970	4.170	2070	4.390	4890	10.350
	SS	3965	8.400	4090	8.670	10040	21.200
4	G	7360	15.580	7390	15.650	19250	40.700
	SS	14060	29.770	13850	29.300	38800	82.350
5	G	19600	41.500	19460	41.200	52950	112.100
	C	51500	109.000	50200	106.500	149500	316.000

SIZE NO.	FLOAT	HYDROGEN STD ML/MIN	HYDROGEN SCFH	NITROGEN STD ML/MIN	NITROGEN SCFH	OXYGEN STD ML/MIN	OXYGEN SCFH
1	G	47	0.100	24	0.051	20	0.042
	SS	148	0.314	75	0.159	64	0.136
2	G	952	2.150	384	0.813	360	0.763
	SS	2480	5.250	846	1.790	791	1.675
3	G	7790	16.500	2360	4.990	2190	4.640
	SS	15450	32.700	4770	10.100	4405	9.320
4	G	29600	62.600	8960	18.960	8330	17.65
	SS	58200	123.200	16850	35.700	15800	33.40
5	G	94200	199.200	23600	49.900	21750	46.00
	SS	221000	467.500	61600	130.500	57400	121.90

1 ml/min = .0021 ft.3/hr.
Floats G = Glass, SS = Stainless Steel, C = Carboloy
SCFH = Standard Cubic Feet per Hour

Flow Charts for a Variety of Fluids and Gases are Available from Bel-Art Products, Call Our Technical Service Department at 1-800-423-5278



Small Benchtop Fume Hood
Vent Exhaust Efficiently in Small Spaces, Page 130



Table-Top Buchner Funnels
Ask About Custom Sizes, Page 134



Urbanti™ High Speed Filter Funnels
Ribbed for Increased Filtration Speed, Page 138



Vacuum Aspirator Bottles

Easy and Continuous Vacuum Aspiration of a Variety of Liquids, Page 145

SHOP www.belart.com

Return Policy: *Due to the unspecified nature of their use and the environment in which they are used, fume hoods may only be returned due to shipping damage reported within 2 days of receipt, and only if the unit has not been used.*

NEW PRODUCT!

Clear View Fume Hoods

Safely Vent Noxious or Potentially Hazardous Fumes and Dust

- 3 position sash; 360° visibility
- Clear polycarbonate provides optimum visibility and durability
- Available in two sizes
- Perfect for laboratories and educational settings





Safely vent noxious or potentially hazardous fumes and dust using Scienceware® Clear View Fume Hoods. Constructed of clear polycarbonate, they have a sleek modern style that is functional and aesthetically pleasing while offering an unobstructed view into the hood from all sides. Two standard sizes are offered, each with a sliding sash that can be completely lowered or set at a choice of two intermediary heights. Top sitting 6” O.D. vent opening(s) allow easy connection to exhaust systems. Perfect for laboratory, classroom or industrial applications.

1 x 1 Model: Compact design won’t consume valuable space. Visibility into the fume hood is possible from all sides which makes this model great for educational settings. A single exhaust vent opening (6" O.D.) is centered on the top of the unit for easy connection to exhaust systems.

2 x 1 Model: Same great all-clear visibility of the 1 x 1 Model, but with twice the work space. Two exhaust vent openings (6" O.D.) are located on the top of the model and ready for easy connection to exhaust systems.

Continued on next page

Clear View Fume Hoods (continued)

CATALOG NO.	DESCRIPTION	OVERALL DIMENSIONS (W x D x H)	INTERIOR DIMENSIONS (W x D x H)
F50020-1010	*1 x 1 Fume Hood*	*65.7 x 61.0 x 66.3cm (25⅛ x 24 x 26⅛")*	*61.0 x 50.8 x 61cm (24 x 20 x 24")*
F50020-2010	*2 x 1 Fume Hood*	*111.4 x 61.0 x 66.3cm (43⅛ x 24 x 26⅛")*	*106.7 x 50.8 x 61cm (42 x 20 x 24")*



Observation Fume Hood

Maximum Visibility and Protection During Lessons

Lightweight and economical, this hood has clear polycarbonate windows which are stronger than acrylic, wipe clean with a damp cloth, and provide excellent visualization in a group setting. The front sash opens to three adjustable positions for air flow control. The hood's polyethylene surface is chemical resistant and easy to clean. Stepped exhaust duct will accept either a 12 or 15cm (4 or 6") diameter duct. An exhaust system capable of drawing 200 cfm (free air) is recommended. Overall dimensions are 69 x 33 x 56cmH (27 x 13 x 22"). Back, stationary window is 50.8 x 27.9cmH (20 W x 11"). Shipping weight 18.1kg (40lbs.)

CATALOG NO.	DIMENSIONS (L x W x H)
H50000-2002	*69 x 33 x 56cm (27 x 13 x 22")*

SHOP www.belart.com



Small Molded Benchtop Fume Hood

Saves Space and Money

Designed for small facilities or installations in which a number of fume hoods are needed, this unit is excellent for use in schools, junior colleges and universities. Features include a one-piece shell molded of chemical resistant polyethylene with rounded inside corners for easy cleaning. The clear acrylic sash slides on a track featuring stop pins for open, closed or intermediate positions, and a bottom gap allows for continuous air flow. The front opening is 56W x 30cmH (22 x 12”). The stepped exhaust duct can be used with either a 12 or 15cm (4 or 6") diameter duct. An exhaust system capable of drawing 200 cfm (free air) is recommended. Overall dimensions are 69 x 33 x 56cmH (27 x 13 x 22"). Shipping weight 17 kg. (38 lbs).

PE ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
H50000-0002	*69 x 33 x 56cm (27 x 13 x 22”)*

Large Molded Fume Hood

Rounded Inside Corners for Easy Cleaning

This fume hood features a one-piece shell molded of polyethylene with a clear acrylic sash that slides on inside tracks. It can be set in an open, closed or intermediate position. The front opening is 88 x 36cmH (34½ x 14$^{3}/_{16}$"). When in the closed position, the sash remains open slightly to facilitate continuous air flow. Stack O.D. is 15cm (6"). An exhaust system capable of drawing 350 cfm (free air) is recommended. Overall dimensions are 107 x 51 x 76cmH (42 x 20 x 30"). Shipping weight 25.5 kg (56 lbs.).



PE ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
H50000-0003	*107 x 51 x 76cm (42 x 20 x 30”)*

Large Molded Fume Hood with Baffle

Low Turbulence Airflow

This fume hood is the same as H50000-0003, shown above, but includes a flat internal baffle across the rear of the shell. The baffle slopes forward, leaving space beneath for air flow to sweep the deck, and space above in order to efficiently remove airborne vapors. Overall dimensions are 107 x 51 x 76cmH (42 x 20 x 30"). Shipping weight 25.5 kg (56lbs.).



PE ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
H50000-0004	*107 x 51 x 76cm (42 x 20 x 30")*

Draft Checker™ Airflow Detection Powder

"See" the Air Flow

A quick, easy way to test the safety of fume hood exhaust before use. Just a squeeze or two from the plastic bottle dispenses a cloud of ultra-fine, lightweight silica powder, which remains suspended long enough to visually check whether or not the fume hood exhaust is functioning properly. It is also useful for detecting drafts, gas leaks and air currents in rooms, ducts and exhaust systems. The amorphous silica powder is inert, non-toxic and non-flammable. 1.5 gm bottle.



CATALOG NO.
F19939-0000

SHOP www.belart.com



Tapered Rear Exhaust Fume Hoods

Ideal Vent for Tanks and Vats

These corrosion-proof polypropylene exhaust hoods are designed to rest on the rear edge of tanks and draw a stream of air across the top of the tank away from the operator.

CATALOG NO.	WIDTH x HEIGHT	SLOT HEIGHT x DEPTH	STACK O.D.	MATERIAL THICKNESS
H50015-0000	*61 x 31cm (24 x 12")*	*7.6 x 7.6cm (3 x 3")*	*15cm (6")*	*4.8mm (3/16")*
H50016-0000	*91 x 46cm (36 x 18")*	*7.6 x 7.6cm (3 x 3")*	*20cm (8")*	*4.8mm (3/16")*
H50017-0000	*122 x 61cm (48 x 24")*	*7.6 x 10.2cm (3 x 4")*	*20cm (8")*	*6.4mm (1/4")*

NEW PRODUCT!



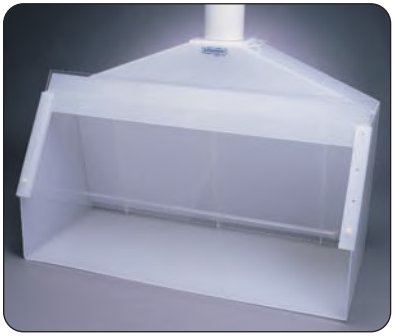
Techni-Dome® 360 Fume Hood

Compact Hood for Tight Spaces

This compact fume hood fits in easily on crowded benchtops. Clear, polycarbonate body has a smooth interior for easy cleaning, allows unrestricted viewing from all angles, is resistant to a wide range of chemicals, and provides high impact strength and scratch-resistance. Stepped outlet connects to standard exhaust systems with 4 or 6" vent piping. The Techni-Dome® Fume Hood has a 50cm (20") ID and 45cm (18") height, making it ideal for simple micropipetting processes, blending of chemicals, handling of small biohazard items or interactive museum/educational displays. Overall volume, 65 liters (4000 cu. in.), overall dimensions 60W x 60cm H (22"W x 22"H).

CATALOG NO.	DESCRIPTION
F50000-0100	*Techni-Dome® 360 Fume Hood*

SHOP www.belart.com



Fabricated Fume Hood

Cost Effective Alternative to Metal Hoods - Great for Use When Sparking Is a Concern

The translucent polypropylene hood is non-conductive, chemical-resistant and corrosion-proof. Sash is made of clear acrylic that provides unimpeded visibility and light to the work area. It may be set open at three positions from 25cm (10") to 53cm (21"). Durable construction includes 6.4mm (¼") thick polypropylene with heavier sections where needed. Outside dimensions are 122cm (48") wide, 61cm (24") deep, and 91cm (36") high. A full length, 3.2mm (⅛") thick interior baffle directs airflow across the table surface as well as vertically. The stack has a 15.2cm (6") outside diameter, with a damper. An exhaust system capable of drawing 500 cfm (free air) is recommended. Shipped in a crate. Weight 45.4 kg. (100 lbs).

PP ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
H50000-0000	*122 x 61 x 91cm (48 x 24 x 36")*

Custom Fabricated Fume Hoods

Built to Your Specifications

Fabricated fume hoods can be custom-built to your specifications in size, design or material. Features such as built-in sinks, multiple stacks, piping and spray apparatus can be included. Please submit a sketch showing your requirements. For more information call 1-800-4BEL-ART or visit our website at www.belart.com.







SHOP www.belart.com



Custom sizes available upon request.

Table-Top Buchner Funnels

Filter Large Volumes Quickly

Polyethylene funnels with your choice of Fritware® or Perforated filter plate. Removable hose barbed connector accepts 12.7mm (½") I.D. tube and threads into ¾" NPT bung on the funnel.

A. Fritware® Porous Filter Plates

FIXED or REMOVABLE porous filter plate supported by a multiple ring grid. Filter plates are made of high density polyethylene, 6.4mm (¼") thick, with a non-porous ring at the periphery of the plate which seals filter paper when used. **Available in two porosities (medium and coarse).** Medium porosity plate is 45-90 microns; coarse porosity plate is 90-130 microns. Use below 52ºC (125ºF).

B. Perforated Filter Plates

Available with a FIXED or REMOVABLE perforated filter plate made of 4.8mm (3⁄16") thick high density polyethylene (HDPE) with 4.8mm (3⁄16") perforations on 11mm (7⁄16") centers. The FIXED version is for coarse filtration or use with a cloth or paper filter. A REMOVABLE filter plate is available for use in precious metals recovery. Use below 52ºC (125ºF).

PE HDPE

Buchner Table-Top Funnels

10.25” (26cm) Funnel Inside Diameter

8" (20.3CM) OVERALL HEIGHT, 5” (12.7CM) RIM TO PLATE

CATALOG NO.	I.D.	DESCRIPTION
H14620-0000	*10.25"*	*Funnel with Coarse Porosity Fixed Plate (A)*
H14620-1260	*10.25"*	*Funnel with Coarse Porosity Removable Plate (A)*
H14625-3510	*10.25"*	*Funnel with Medium Porosity Fixed Plate (A)*
H14626-3510	*10.25"*	*Funnel with Medium Porosity Removable Plate (A)*
H14627-0000	*10.25"*	*Funnel with Perforated Fixed Plate (B)*
H14627-1260	*10.25"*	*Funnel with Perforated Removable Plate (B)*

18" (45.7cm) Funnel Inside Diameter

11.5" (29.2CM) OVERALL HEIGHT, 8" (20.3CM) RIM TO PLATE

CATALOG NO.	I.D.	DESCRIPTION
H14621-0000	*18"*	*Funnel with Coarse Porosity Fixed Plate (A)*
H14621-1457	*18"*	*Funnel with Coarse Porosity Removable Plate (A)*
H14625-3518	*18"*	*Funnel with Medium Porosity Fixed Plate (A)*
H14626-3518	*18"*	*Funnel with Medium Porosity Removable Plate (A)*
H14628-0000	*18"*	*Funnel with Perforated Fixed Plate (B)*
H14627-1457	*18"*	*Funnel with Perforated Removable Plate (B)*

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24" (61cm) Funnel Inside Diameter

13" (33CM) OVERALL HEIGHT, 10.25" (26.7CM) RIM TO PLATE

CATALOG NO.	I.D.	DESCRIPTION
H14622-0000	24"	Funnel with Coarse Porosity Fixed Plate (A)
H14622-1610	24"	Funnel with Coarse Porosity Removable Plate (A)
H14625-3524	24"	Funnel with Medium Porosity Fixed Plate (A)
H14626-3524	24"	Funnel with Medium Porosity Removable Plate (A)
H14629-0000	24"	Funnel with Perforated Fixed Plate (B)
H14627-1610	24"	Funnel with Perforated Removable Plate (B)

36" (91.4cm) Funnel Inside Diameter

14.75˝ (37.5CM) OVERALL HEIGHT, 12˝ (30.5CM) RIM TO PLATE

CATALOG NO.	I.D.	DESCRIPTION
H14623-0000	36"	Funnel with Coarse Porosity Fixed Plate (A)
H14623-1914	36"	Funnel with Coarse Porosity Removable Plate (A)
H14625-3536	36"	Funnel with Medium Porosity Fixed Plate (A)
H14626-3536	36"	Funnel with Medium Porosity Removable Plate (A)
H14630-0000	36"	Funnel with Perforated Fixed Plate (B)
H14627-1914	36"	Funnel with Perforated Removable Plate (B)

Replacement Filter Plate Discs

FOR 10.25" (26CM) INSIDE DIAMETER FUNNEL

CATALOG NO.	DESCRIPTION
H91462-4026	Replacement Coarse Porous Plate (A)
H91462-4326	Replacement Medium Porous Plate (A)
H91463-1260	Replacement Perforated Plate (B)

FOR 18" (45.7CM) INSIDE DIAMETER FUNNEL

CATALOG NO.	DESCRIPTION
H91462-4457	Replacement Coarse Porous Plate (A)
H91462-4345	Replacement Medium Porous Plate (A)
H91463-1457	Replacement Perforated Plate (B)

FOR 24" (61CM) INSIDE DIAMETER FUNNEL

CATALOG NO.	DESCRIPTION
H91462-4610	Replacement Coarse Porous Plate (A)
H91462-4361	Replacement Medium Porous Plate (A)
H91463-1610	Replacement Perforated Plate (B)

FOR 36" (91.4CM) INSIDE DIAMETER FUNNEL

CATALOG NO.	DESCRIPTION
H91462-4091	Replacement Coarse Porous Plate (A)
H91462-4914	Replacement Medium Porous Plate (A)
H91463-1914	Replacement Perforated Plate (B)

Filter Paper Discs for Table-top Buchner Funnels on Next Page

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Filter Paper Discs

Sized to Fit Table-Top Buchner Funnels

These heavy bond grade filter paper discs are custom-sized to fit Table-Top Buchner funnels and have a thickness of 0.30mm. Made from creped white cellulose to improve porosity, they have a flow rate of 90ml per minute. Wet burst strength is greater than 68 KPa and they are able to retain particles as small as 3 microns. **100 discs per box.**

CATALOG NO.	DESCRIPTION
H14632-0010	For 10.25" (26cm) I.D. Funnel
H14632-0018	For 18" (45.7cm) I.D. Funnel
H14632-0024	For 24" (61cm) I.D. Funnel
H14632-0036	For 36" (91.4cm) I.D. Funnel

Filter Paper Retaining Rings Are Available, Call for Current Pricing



Buchner Funnels – Single Piece

Fast Flowing with Fritware® Porous Plates

One piece HDPE funnels with sealed-in, polyethylene filter plate of coarse porosity (90-130 microns) offer good retention and fast flow under vacuum. Useable with or without filter paper. Use below 52ºC (125ºF). Use with Vac-Ring Filter Seal (H38959-0000) for quick filter setup.

HDPE

CATALOG NO.	CAPACITY	PLATE DIAMETER	RIM TO PLATE	CASE
F14608-0000	50ml	36mm	35mm	12 Each
F14609-0000	150ml	70mm	51mm	6 Each
F14610-0000	400ml	104mm	50mm	6 Each
F14611-0000	1000ml	122mm	104mm	4 Each

Buchner Funnels – Two Piece

Economical, Lightweight and Durable

Easy-to-clean two-piece, polypropylene Buchner funnels with perforated HDPE filter plate. Lightweight, but not top-heavy. Steam autoclavable at 121ºC (250ºF). Use with Vac-Ring Filter Seal (H38959-0000) for quick filter setup. **Per each, except F14600-0043* which is 6 per bag.**



PP A

CATALOG NO.	TAKES FILTER PAPER DIAM.	RIM TO PLATE	CAPACITY	CASE
F14600-0043*	42.5mm	24mm	40ml	2 Bags
H14601-0000	55mm	30mm	75ml	12 Each
H14602-0000	70mm	40mm	165ml	6 Each
H14603-0000	90mm	47mm	315ml	6 Each
H14604-0000	110mm	67mm	875ml	6 Each

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Drum and Carboy Funnels

Provides Optimum Flow

Large funnels are ideal for filling drums, barrels, tanks and carboys providing ample volume and fast flow. The two smaller sizes have a handle at the rim for added stability. Molded of natural polypropylene, funnels are steam autoclavable at 121ºC (250ºF).



CATALOG NO.	CAPACITY	TOP O.D.	HEIGHT	BOTTOM STEM I.D.	STEM LENGTH
H14712-0200	*2.1 Liters (0.56 gal)*	*207mm (8.15")*	*250mm (9.85")*	*21mm (0.83")*	*88mm (3.45")*
H14712-0250	*4.3 Liters (1.15 gal)*	*260mm (10.23")*	*309mm (12.5")*	*23mm (0.90")*	*91mm (3.6")*
H14712-0350	*14.1 Liters (3.78 gal)*	*353mm (13.9")*	*454mm (17.86")*	*26mm (1.02")*	*104mm (4.09")*



Large Industrial Drum Funnel

Safely Fill Drums and Containers

Heavy-duty funnel is one piece construction and 6.35mm (¼") thick. The top cylindrical section is 36cm O.D. x 13cm high (15 x 5") with a 2.54cm (1") wide top flange. The 45 degree cone is 11cm (4½") high and a 14cm (5½") long stem tapers from 51mm (2") to 44mm (1¾") O.D. Overall height is 39cm (15½"); volume is 25 liters (6.7gal) or 1,550 cubic inches. **Per each, 6 per case.**

CATALOG NO.	INSIDE DIAMETER
H14716-0000	*14"*

For Sampling from Drums and Carboys, See Hand Pumps, Page 366-367

SHOP www.belart.com



Urbanti™ High-Speed Filter Funnels

Increased Filtration Speed

Unsurpassed for non-vacuum, high-speed filtration, these clear funnels have internal helicoid ribs to increase the filtration speed. Vertical outer ribs prevent airlock. Made from autoclavable polymethylpentene, these funnels are glass-clear, unaffected by corrosive liquids, and are heat resistant to 177ºC (350ºF).

PMP A

CATALOG NO.	CAPACITY	TOP I.D.	STEM I.D.	STEM O.D.
F14640-0000	28.3ml (1oz)	51mm	3mm	7.5mm
F14642-0000	76.ml (2.6oz)	70mm	3mm	7.5mm
F14644-0000	76.ml (2.6oz)	70mm	7mm	10.0mm
F14646-0000	224ml (7.6oz)	100mm	7mm	10.0mm
F14648-0000	586ml (19.8oz)	140mm	10mm	16.0mm
F14650-0000	1532ml (51.8oz)	196mm	20mm	26.0mm

Chart Continues Below

CATALOG NO.	STEM LENGTH	FILTER PAPER	CASE	BAG
F14640-0000	150mm	75/90mm	6 Bags	6
F14642-0000	150mm	110/125mm	6 Bags	6
F14644-0000	70mm	110/125mm	4 Bags	6
F14646-0000	108mm	150/185mm	4 Bags	4
F14648-0000	132mm	240/270mm	2 Bags	3
F14650-0000	160mm	320/385mm	2 Bags	2

Standard Stem Funnels

Exclusive Design Saves Time

Polypropylene funnels feature an exclusive filter-step internal design for speedier filtrations. External ribs prevent airlock. The parallel stem measures 8mm O.D. Steam autoclavable at 121ºC (250ºF). **Per bag.**



PP A

CATALOG NO.	CAPACITY	TOP I.D.	FILTER PAPER	STEM LENGTH	CASE	BAG
F14676-0055	32.8ml (1.1oz)	55mm	90mm	60mm	3 Bags	12
F14676-0065	59.1ml (1.97oz)	65mm	110mm	65mm	3 Bags	12
F14676-0075	91.8ml (3.1oz)	75mm	125mm	75mm	6 Bags	6
F14676-0100	209ml (7oz)	100mm	185mm	100mm	6 Bags	4

SHOP www.belart.com

Heavy Duty Funnels

Durable, Versatile, Available in Assorted Sizes

Sturdy, polypropylene funnels with ridges help prevent vapor lock. Highly recommended for continuous laboratory work. Steam autoclavable at 121ºC (250ºF). **Per bag.**



PP A

CATALOG NO.	CAPACITY	STEM I.D.	STEM O.D.	STEM LENGTH
F14694-0000	30ml (1oz)	7.9mm (5/16")	14.3mm (9/16")	38.1mm (1½")
F14695-0000	90ml (3oz)	6.4mm (¼")	11.1mm (7/16")	69.9mm (2¾")
F14696-0000	180ml (6oz)	12.7mm (½")	19.1mm (¾")	44.5mm (1¾")
F14697-0000	480ml (16oz)	11.1mm (7/16")	19.1mm (¾")	79.7mm (3⅛")
F14698-0000	720ml (27oz)	19.1mm (¾")	25.4mm (1")	69.9mm (2¾")
H14699-0000	3845ml (128oz)	22.2mm (⅞")	34.9mm (1⅜")	139.7mm (5½")

Chart Continues Below

CATALOG NO.	TOTAL LENGTH	DIAM.	CASE	BAG
F14694-0000	66.7mm (2⅝")	54mm (2⅛")	12 Bags	6
F14695-0000	127.0mm (5")	76.2mm (3")	12 Bags	6
F14696-0000	104.8mm (4⅛")	101.6mm (4")	12 Bags	6
F14697-0000	177.8mm (7")	152.4mm (6")	8 Bags	3
F14698-0000	187.3mm (7⅜")	184.2mm (7¼")	8 Bags	3
H14699-0000	342.9mm (13½")	266.7mm (10½")	6 Each	Each

SHOP www.belart.com



Heavy-Duty Long Stem Funnel

60˚ Cone

Heavy-duty, polypropylene funnel with smooth walls, 60 degree cone angle and long stem. External ribs prevent air lock. Steam autoclavable at 121ºC (250ºF). Capacity 70ml (2oz). **6 per bag, 4 bags per case.**

CATALOG NO.	TOP I.D.	STEM I.D.	STEM O.D.	STEM LENGTH	TAKES FILTER PAPER
F14671-0000	*70mm*	*7mm*	*10mm*	*70mm*	*110/125mm*

Powder Funnels

Specially Designed for Transferring Powders

Polypropylene funnels with 60º angle. Large bore stem minimizes bridging of powder. Steam autoclavable at 121ºC (250ºF). **Per bag.**

Wide Stem for Clog-Free Filling



CATALOG NO.	CAPACITY	TOP I.D.	STEM O.D.	STEM LENGTH	CASE	BAG
H14660-0065	*49ml (1.7oz)*	*65mm*	*15mm*	*25mm*	*3 Bags*	*12*
H14660-0080	*138ml (4.7oz)*	*80mm*	*18mm*	*25mm*	*3 Bags*	*12*
H14660-0100	*248ml (8.4oz)*	*100mm*	*21mm*	*25mm*	*4 Bags*	*6*
H14660-0150	*784ml (26.5oz)*	*150mm*	*29mm*	*25mm*	*6 Bags*	*4*



Powder Funnels with Tapered Stem

Polypropylene funnels with standard taper stems. Steam autoclavable at 121ºC (250ºF). **Per each, 12 per case.**

CATALOG NO.	CAPACITY	TOP I.D.	STEM
F14681-0000	*169ml (5.7oz)*	*101mm (4")*	*with 24/40 ⧩*
F14682-0000	*594ml (20oz)*	*152mm (6")*	*with 24/40 ⧩*

SHOP www.belart.com

Large Powder Funnel

Heavy Duty High Density Polyethylene for Transferring Powders

Funnel is ideal for powders and general use. Cone is 127mm (5") long with 124mm (4⅞") top I.D. **Per each, 6 per case.**



HDPE

CATALOG NO.	CAPACITY	TOP I.D.	STEM I.D.	STEM LENGTH
H14684-0000	510ml (17.2oz)	124mm (4⅞")	38mm (1½")	38mm (1½")



Utility Type Funnels

For a Variety of Lab Applications

Externally ribbed, polypropylene funnels are steam autoclavable at 121ºC (250ºF). **12 per bag.**

PP

CATALOG NO.	CAPACITY	TOP DIAMETER
H14781-0000	60ml (2.0oz)	63.5mm (2½")
H14782-0000	120ml (4.0oz)	82.6mm (3¼")

Micro Funnels

When Working with Small Openings

Perfect for micro work, filling burettes, manometers and small bottles. These polypropylene funnels are steam autoclavable at 121ºC (250ºF). **12 per bag.**



PP A

CATALOG NO.	CAPACITY	TOP I.D.	STEM DIAMETER
F14685-0024	2.6ml (0.09oz)	24mm	4.5mm
F14685-0028	5.2ml (0.17oz)	28mm	6.0mm
F14685-0035	8.1ml (0.27oz)	35mm	8.0mm
F14685-0043	15.7ml (0.53oz)	43mm	8.0mm

SHOP www.belart.com



Offset Stem Funnel

Easy Access for Hard-to-Reach Jobs

High density polyethylene funnel with a 51mm (2") diameter, and fine-mesh, bronze filter screen. The screen can be removed with a knife point and easily snapped back into place. The funnel resists most acids, alkalis and some organic solvents. Features an anti-slop inward flange and large, strong handle. The stem is offset 204mm (8") center-to-center at a 60 degree angle and tapers to 22mm (⅞") O.D. 1 liter (1 quart) capacity, 12.7 x 15.2cm (5 x 6") oval top opening with a 10.2cm (4") deep cone.

HDPE

CATALOG NO.
H14820-0000

Funnel Holder

Supports Several Funnel Sizes

Non-corrosive polypropylene funnel holder and clamp includes two bushings for 12.7mm (½") or 9.5mm (⅜") diameter support rod. Outer ring supports 76 to 152mm (3 to 6") top diameter funnels; removable inner ring holds smaller funnels from 25 to 76mm (1 to 3") top diameter. **12 per case.**



PP

CATALOG NO.	DESCRIPTION
F18242-0000	*Holds 2 funnels 25 to 152mm*

For Hands-Free Operation When Preparing Multiple Samples



Squibb Pear-Shaped Separatory Funnels

Exceptional Clarity for Phase Interface Visibility

Durable, polypropylene translucent funnels are resistant to most chemicals, including hydrofluoric acid. Feature a 4mm stopcock plug of non-stick Teflon® PTFE and screw cap closure. Steam autoclavable (except stopper) at 121°C (250°F). Stem length is 40mm (1.57") with a 9.5mm (⅜") O.D.

PP TEFLON® A

CATALOG NO.	NOMINAL CAPACITY	CASE
H14810-0000	*100ml*	*6 each*
H14811-0000	*250ml*	*4 each*

NEW PRODUCT!

Imhoff Cone and Separatory Funnel Rack

Chemical Resistant and Fully Adjustable

This high-density polyethylene rack holds four separatory funnels up to 98mm (3⅞") in diameter on its center shelf. Four beakers fit on the bottom shelf and four long-stem funnels on the top shelf. Set screws in the base risers allow vertical adjustment of telescoping rods, while set screws in the center shelf permit adjustment for accommodating separatory funnels of various lengths. Included are 24 insert clips that allow rack to accommodate different sized Separatory Funnels and Imhoff Cones. Fully extended, the rack measures 20.3 x 48.9 x 50.8cm (8 x 19¼ x 20") high. Four feet extend from the base for stability and have holes for permanent mounting.

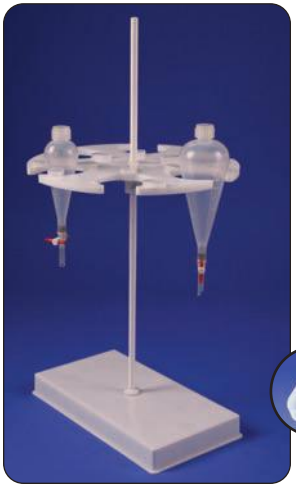




Insert Clip

HDPE

CATALOG NO.	DESCRIPTION
H18967-0000	*Imhoff Cone and Separatory Funnel Rack*
H18967-0002	*12 Replacement Insert Clips*



Rotary Separatory Funnel Rack

Fully Adjustable Support Disc

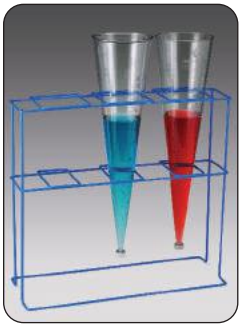
This rack consists of a rectangular base, screw-in column and a support disc held in place by a screw clamp. The support disc is fully adjustable up to 21". Support holes for funnels are open front type for easy removal and placement of separatory funnels. Included are 18 insert clips used to accommodate different sized Separatory Funnels. Shipped unassembled.



Insert Clip

CATALOG NO.	FOR FUNNELS	PLACES	HEIGHT x DIAMETER
H18964-0000	*500/1000cc*	*6*	*53 x 35cm (21 x 13¾")*
H18967-0002	*12 Replacement Insert Clips*		

SHOP www.belart.com



Imhoff Settling Cones and Racks

Made for measuring sand and other settled matter in water and sewage, these Imhoff cones are molded of glass-clear, unbreakable styrene acrylonitrile. They have continuous graduations up to 1000ml and are ideal for tests where a high volume of settled matter is present. Graduated in these divisions: 0-2ml in 0.1ml, 2-10ml in 0.5ml, 10-40ml in 1ml, 40-100ml in 2ml, and 100-1000ml in 50ml. Leakproof polyethylene plug permits easy withdrawal of sediment for gravimetric analysis and simplifies cleaning. Top diam. 12cm (4.7") x 50cm (19.7") high. See page 286 for rack descriptions and dimensions.

CATALOG NO.	DESCRIPTION
H38990-0000	*Imhoff Settling Cone*
F38993-0003	*Poxygrid® Imhoff Cone Rack, 3 places*
F38993-0004	*Poxygrid® Imhoff Cone Rack, 4 places*

For Imhoff Cone Rack Description, See Page 286

Fillpour™ Dialysis Tube Funnels

Easy Handling of Dialysis Tubes



Reduces difficulties in handling dialysis bags. Dialysis tubing is cut to length and knotted at the end. The other end is slipped onto the tube and held with Silicone Rubber Loops (F20308-0000 - page 13), or a rubber band. Three tube steps fit various sizes of dialysis tubing, and a three notched universal hanger supports the funnel on the edge of any vessel. Also features a captive cap with writing area. Steam autoclavable at 121ºC (250ºF). **10 per bag.**

PP A

CATALOG NO.	DESCRIPTION
F14848-0000	*Small size with 5, 9 and 13.5mm diameter steps*
F14848-0001	*Large size with 13.5, 19 and 28mm diameter steps*

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Fritware® Immersion Filters

Filtration without Material Transfer

For filtration involving recovery of solids without having to transfer material to funnels. High density polyethylene coarse porosity disc (90-130 micron) and body. Use directly or precoat for fine filtration. Larger filter has a serrated tubing connector.

HDPE

CATALOG NO.	DIAMETER	OVERALL LENGTH	CASE	BAG
F13670-0000	*40mm*	*90mm*	*6 Bags*	*2*
F13671-0000	*125mm*	*150mm*	*12 Each*	*Each*

Thistle Tube



Make Additions to Burettes and Narrow Neck Containers Easily

The flared top thistle tube is made from polypropylene which is chemical resistant, unbreakable and safe. Steam autoclavable at 121ºC (250ºF). Dimensions are 27mm (1⁄16") I.D. top with a 41mm (8⁄15") O.D. flare. The 6.4mm (¼") stem is 254mm (10") long. **12 per bag, 6 bags per case.**

PP A

CATALOG NO.
F14751-0000



Labmat™ Liner
Tidy Workspace, Speedy Clean-up, Page 153



Frigimat® Cub Dry Ice Maker
No Dry Ice Delivery Needed, Make Your Own, Page 159



Fluo-Kem® Lab-Thread Tape
Lubricates and Seals Joints and Small Apertures, Page 172



Lab-Aire® II Dryers

Wall-Mount and Benchtop Dryers Offer Versatile Space for Drying Labware, Page 165

SHOP www.belart.com

Vibrasorb® Vibration Damping Mounts

Isolate Delicate Benchtop Instruments from Vibrations

Sensitive instruments used in research, manufacturing, inspection, and quality control can be adversely affected by vibrations caused from nearby equipment such as pumps, stirrers, blenders, as well as vibration from the general environment. Vibrasorb® Vibration Damping Mounts facilitate optimal use and help protect electromechanical and optical equipment from excessive wear and even structural damage that can be caused by exposure to vibration.



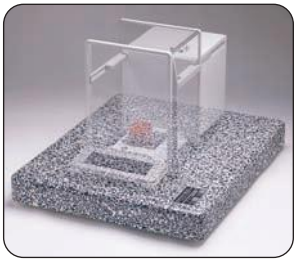
Vibrasorb® Economy Vibration Damping Mount

Non-Slip Neoprene Surface

The Vibrasorb® Economy Vibration Damping Mount has a durable, high impact polystyrene shell with a smooth, non-slip neoprene working surface. Vibro-Absorber™ damping mounts at each corner support the 20.8kg (46lb) platform. The platform area is 34 x 27.5 cm (13½ x 11") and easily wipes clean. Maximum carrying weight for effective vibration dampening is 11kg (24lb).

CATALOG NO.	DIMENSIONS (L x W x H)	SHIPPING WEIGHT
F18385-0000	39 x 34 x 11.8cm (15.4 x 13.5 x 4.6")	24Kg (53lb)

Vibrasorb® Premium Vibration Damping Mounts



Chemical and Scratch Resistant Polished Surface

Molded of dense black & white terrazzo, these 6.4cm (2½") thick platforms are supported on four Vibro-Absorber™ cushions with neoprene feet and support up to 16kg (35 lb).

The larger size will absorb vibrations down to 13 Hz with a 16kg (35lb) load, while the smaller size will absorb vibrations down to 16 Hz. with a 16kg (35lb) load. With lighter loads, the minimum frequency of damping for both sizes will increase to a value between 16 Hz. and 25 Hz. Both sizes feature a polished surface that resists scratches and chemical attack.

CATALOG NO.	DIMENSIONS (L x W x H)	SHIPPING WEIGHT
H18386-0001	35 x 35 x 7.6cm (13¾ x 13¾ x 3")	19kg (42lb)
H18386-0000	45 x 56 x 7.6cm (18 x 22 x 3")	39kg (87lb)



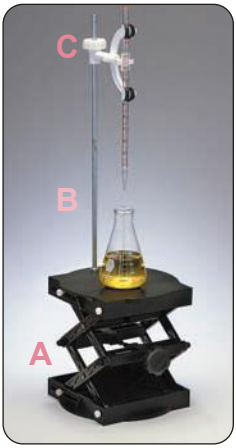
Vibrasorb® Round Vibration Damping Mount

Durable Work Platform Keeps Equipment Steady

Vibrations caused by nearby pumps, blenders, stirrers and other equipment are absorbed down to 13 Hz. The mount is made from grey Silestone® with a polished surface that resists scratches and chemicals. It is 40.6cm (16") in diameter x 6.3cm (2½") thick and is supported by three vibration absorbers with neoprene feet. Maximum carrying weight for effective vibration dampening is 13.6kg (30lb).

CATALOG NO.	DIMENSIONS (DIAM. x H)	SHIPPING WEIGHT
F18386-0002	40.6 x 6.4cm (16" x 2½")	16.5kg (36 lb)

A. Poly-Jaque™ Plastic Lab Jack



Corrosion-Resistant Jack Holds 10 Times Its Own Weight

U.S. Patents 7,111,825 B2; D541,504

The smooth, easy-to-clean top plate has a 21 cm (8.25") diameter and a molded-in position to install a vertical support rod (see F18391-0002 below). Supports gradient makers, hot plates, flasks, beakers, baths and other lab items up to 6.8 Kg. (15 lb.). Molded of strong polycarbonate and assembled with no metal parts, the jack is electrically non-conductive and can be immersed in a bath or used in corrosive environments. A large height adjusting knob allows accurate positioning from 7.6cm (3") to 30cm (12"). Both top and bottom plates may be drilled for permanent attachment to bench or lab equipment with screws or bolts. Steam autoclavable at 121°C (250°F). *NOTE: Not intended to be used to lift weight from its bottom position. Place the weight on the top plate only after raising to the desired height.*

CATALOG NO.
F18391-0001

B. Vertical Support Rod

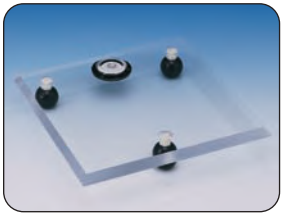
This 46 cm (18") long stainless steel support rod attaches to the top plate of the Poly-Jaque™ Lab Jack to allow attachment of various clamps and other accessories. The rod diameter is 7.9 mm (5/16") and is supplied with two hex nuts for secure attachment to the jack top plate. *NOTE: This metal rod is electrically conductive.*

CATALOG NO.
F18391-0002

C. Burette Clamp

Non-corroding, polyproylene burette clamp will not obscure graduations.

CATALOG NO.
F18204-0000



Leveling Table

Keep Your Work on the Level

This clear acrylic level surface helps in pouring immunological plates, horizontal agarose gels and acrylamide sequencing gels. Each leg is adjustable, and an inset leveling bulb below the working surface assists in accurate adjustment. The rigid platform is 20.3 x 20.3 x .95cm thick (8 x 8 x 3/8").

CATALOG NO.
H18310-0000

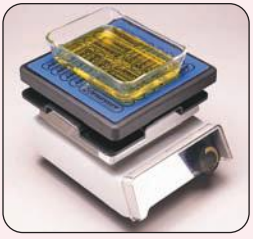
SHOP www.belart.com

spindrive® Orbital Platforms

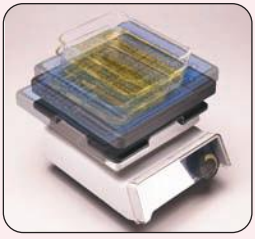
Convert Your Magnetic Stirrer into an Orbital Shaker or Vibrating Platform
Save Time, Money, and Valuable Benchtop Space



Simple as... 1



2



3



Spindrive® Orbital Shaker Platform

Shake and Mix; Rotating Orbit Diameter of 21.7mm

U.S. Patent 5,409,312

Turns a standard magnetic stirrer into an orbital shaking platform saving the expense and space requirements of additional lab equipment. Perfect for dishes, flasks, and trays, it is also ideal for Western Blot processing. Shaker adjustment is controlled by setting the magnetic stirrer to the desired speed. Platform protects the operating mechanism from spills and has a non-skid surface to prevent containers from sliding. The base incorporates built-in hand holds for lifting and carrying. Supports up to 6.8 kg (15 lb) and has a rotating orbit diameter of 21.7mm (⅞").

CATALOG NO.	DIMENSIONS (L x W x H)	WEIGHT
F37041-0000	*22.5 x 22.5 x 5.3cm (8⅞ x 8⅞ x 2⅛")*	*1kg (2.2 lb)*

Spindrive® Orbital Vibrating Platform

Vibrate and Mix; Rotating Orbit Diameter of 1.52mm

U.S. Patent 5,409,312



Save the expense and eliminate the space requirements of another piece of lab equipment. Placed and centered on a magnetic stirrer, this platform operates as an orbital vibrator for plates, flasks or other vessels. Vibration adjustment is controlled by setting the magnetic stirrer to the desired speed. Platform protects the operating mechanism from spills and has a non-skid surface to prevent containers from sliding. The base incorporates built-in hand holds for lifting and carrying. Supports up to 6.8 kg (15 lb) and has a rotating orbit diameter of 1.52mm (1/16").

CATALOG NO.	DIMENSIONS (L x W x H)	WEIGHT
F37041-0001	*22.5 x 22.5 x 5.3cm (8⅞ x 8⅞ x 2⅛")*	*1kg (2.2 lb)*

NEW PRODUCTS!

Techni-Dome® 360 Balance Enclosure



Isolated Work Space for Delicate Work

The Techni-Dome® Balance Enclosure offers generous space for safely positioning an analytical balance, in a virtually draft-free, compact environment. Made of clear, high strength polycarbonate, the smooth interior is easy-to-clean, chemical resistant and provides an unobstructed view of the contents from any angle without the need for interior lighting. The included Vibrasorb® Vibration Damping Mount absorbs vibrations to isolate sensitive analytical balances from nearby disturbances. Simply lift the top, place your balance on the Damping Mount and then close the cover to begin use. Two access ports allow maximum dexterity for sample handling and balance operation. The Damping Mount can be easily removed for cleaning or use outside the unit.

CATALOG NO.	DESCRIPTION	DIMENSIONS (W x H)
F50032-0000	*Internal volume: 65 liters (3960 cu. in),*	*60 x 60cm (22" x 22")*



Techni-Dome® 360 Observation Chamber

Nests for Compact Storage

The Techni-Dome® Observation Chamber offers excellent interior volume for observation of a wide range of processes, phenomena or classroom projects with a minimal footprint that preserves valuable counter space. Made of clear, high strength polycarbonate, the smooth interior is easy-to-clean, chemical resistant and provides an unobstructed view of the contents from any angle without the need for interior lighting. Openings in the lower half of the unit provide two-handed access to the interior. Or, simply lift off the top half for placement of large objects. Molded-in handles and a low weight of less than 5kg (11lbs) offer portability, making the unit suitable for field use. When not in use, the top half can be nested into the bottom for space saving storage.

CATALOG NO.	DESCRIPTION	DIMENSIONS (W x H)
F24971-0000	*Internal volume: 65 liters (3960 cu. in),*	*60 x 60cm (22" x 22")*

SHOP www.belart.com



Microwave Stirrer

Heat and Magnetically Stir Inside a Microwave Oven

U.S. Patent 6,076,957

Converts the motion from the turntable impeller inside a microwave oven into a magnetic stirrer allowing simultaneous heating and stirring for increased efficiency. Heated stirring can improve dissolving and mixing, and permits preparation of super-saturated solutions. Ideal for melting agar and agarose, concentrating urea solutions, or other applications that benefit from heated stirring, and for chemical purification. Adjustable pins make stirrer compatible with most microwave drive spindles. Can be used with magnetic stirring bars up to 5cm (2") in length.

CATALOG NO.	DIMENSIONS (L x W x H)
F37040-0000	*27.6 x 25.7 x 6.7cm (10⅞ x 10⅛ x 2⅝")*



Scienceware® Super Glue

Super Strong! Super Dependable! Super Economical! Super Fast!

A drop of fast-setting Scienceware® Super Glue provides an amazingly strong repair or assembly joint. Use it on metals, rubber, wood, most plastics or semi-porous materials. Dissimilar materials may be joined as well. Scienceware® Super Glue is an ethyl-cyanoacrylate adhesive, solvent-free and needs no catalyst or heat. Colorless and transparent when set. **Per each, 24 per case.** *No Air Shipment*.

CATALOG NO.	VOLUME
F24006-0000	*3 grams (0.11 fl oz)*

Fluo-Kem® Lab-Thread Tape



Lubricates and Seals without Grease or Adhesives

Pure, non-sintered Teflon® PTFE Lab-Thread Tape contains no adhesive, yet does a superior job of sealing small apertures. Conforming to irregularities of surfaces, threads and joints of all types, it eliminates the need for lubricants and vacuum greases. Provides a vacuum tight seal and eliminates ″freezing″ even after long periods. Can be used on ground glass joints, desiccators, bell jars, freeze-drying equipment, etc. 0.0635mm (0.0025") thick, 12.7mm (½") wide x 7.6 meters long (300") per roll. Withstands temperatures from -250°F to 500°F. **3 rolls per bag, 6 bags per case.**

TEFLON®

CATALOG NO.
F24020-0000

SHOP www.belart.com

Labmat™ Bench Liner Rolls & Sheets



White or Biohazard Safety Orange

Disposable Labmat™ Bench Liner speeds clean-ups and safeguards work surfaces from stains, spills and wear. The highly absorbent upper surface traps up to 420 ml/m² of water, dyes, corrosive chemicals, or radioactive solutions. The flexible polyethylene film backing is non-skid and prevents soak-through of most solutions. Simply roll up and discard after contamination. Labmat™ Liner is available in 50.8 cm (20") wide by 15.2m (50ft.) rolls or 50.8 x 61cm (20 x 24") pre-cut sheets. Rolls are easily cut with scissors while roll is retained in dispenser. **50 ft. roll in dispenser carton (6 cartons per case) or box of 100 sheets.**

CATALOG NO.	DESCRIPTION
F24675-0000	*White 50 ft. roll*
F24675-1000	*Safety Orange for biohazard designated use. 50 ft. roll*
F24675-0020	*Cut sheets, box of 100 - White 50.8 x 61cm (20 x 24")*



Covamat™ Clear Liner

Versatile Clear Lining Material

Clear polyethylene ribbed matting can be used for lining laboratory tables, shelves, trays, etc. It is easily trimmed with scissors and also works well under drums or carboys. 0.25mm (0.010") with 0.7mm (0.030") thick ribs, 76cm (30") wide x 15.2 meter (50ft). **1 roll per box, 6 boxes per case.**

PE

CATALOG NO.	SIZE
H24679-0000	*15.2 meter (50') roll*

Microscope Covers



Vikem® Vinyl - Assorted Sizes to Fit Your Needs

These transparent Vikem® vinyl covers protect your valuable microscopes, balances and other instruments from dust and spills. Simply slide the cover over the instrument when it is not in use. Available in three standard sizes. Custom sizes to fit other sizes and instruments available by special order. **Per each.**

VIKEM® VINYL

CATALOG NO.	SIZE
F24301-0000	*Standard size 33 bottom x 23 top x 42cm H (13 x 9 x 16½")*
F24303-0000	*Large size 41 bottom x 28 top x 46cm H (16 x 11 x 18")*
F24304-0000	*Extra Large size 46 bottom x 38 top x 56cm H (18 x 15 x 22")*

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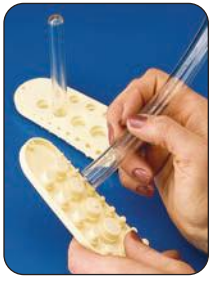
Piezo Electric Gas Lighter

Don't Play with Matches!

Just what you need for safely lighting Bunsen burners, gas stoves, propane or oxy-acetylene torches. Requiring no batteries or fuel refills, the Piezo Electric Gas Lighter has a comfortable plastic pistol-grip with a push-button trigger that creates an electrical spark (not a flame) at 20Kv with each squeeze. Length is 26.5cm (10 7/16") and weight is 88 gm (3.1 ounce).

CATALOG NO.
H15056-0000

Tubing Sizer - Metric Gauge



Stop Guessing…Know What Size You Need

A handy metric diameter gauge that will end doubt about inside or outside diameters. The gauge measures glass and plastic tubing, connecting pieces, rods, test tubes, etc. between 1.5 and 16mm. Holes on one side measure O.D.; pins on the other side measure I.D. Keep one with your tubing and one with your test tubes, centrifugation tubes and adaptors. Made of polypropylene, the gauge is autoclavable at 121°C (250°F)

PP A

CATALOG NO.
F13390-0000

See Tubing Section, On Pages 418-425



Stopper/Tubing Sizer

Easy to Use…Keep Them Near Your Labware for Fast Reference

Handy Stopper / Tubing Sizer easily determines the correct size of the cork or stopper needed for any flask, bottle, etc. Insert the thin triangular gauge into the vessel and the correct stopper size is read at the top of the neck. Two scales are provided: one for rubber and vinyl stoppers and the other for corks. The back side is a circular scale to size tubing outside diameters between 4 and 52mm. 15.6cm L x 6.6cm W (6⅛ x 2⅝") wide at the top. Tubing and flask not included. **Per each, 12 per case.**

CATALOG NO.
F13392-0000

For a Full Line of Safe-Lab™ Teflon® Stoppers, See Pages 400-405

SHOP www.belart.com

Calipers

Precision Instruments for All Caliper Applications. Metric and English Scales.

Molded in rigid plastic which won't scratch like metal, these calipers are non-conducting, corrosion resistant, and lightweight in the hand for easy handling.

A. Vernier Calipers



Vernier calipers can be used to measure internal and external dimensions with utmost precision. Precise measurements can be made with the fine adjustment thumb roller, and reading scales create no parallax. Parallel jaws are 40mm (1½") deep. Inside jaws and round plastic rod depth gauge provide added value. Upper scale is 150 mm with 0.1mm subdivisions, lower scale is 6 inches with 0.005" subdivisions.

B. Dial Calipers



Dial type calipers measure up to 150mm in 0.1mm increments. A 33mm (1.3") diameter dial is rotatable beneath the pointer allowing for 'differential' measurements. Black numbers on a white background afford effortless readability.

C. Digi-Max™ Slide Caliper with LCD Readout



Take measurements with speed and ease using the Digi-Max™ digital slide caliper. The LCD display immediately indicates the exact measurement taken with push button selection between metric and English scales and a self-zeroing feature for accuracy of ±0.1mm (0.004"). Metric scale to 150mm and English scale to 6". A long life battery is included and is easily accessible for replacement. On/Off button preserves battery life. Supplied in a protective plastic case.

CATALOG NO.	DESCRIPTION	SCALE	OVERALL LENGTH
A. H13415-0000	*Vernier Calipers*	*Metric/English*	*22.2cm (8¾")*
B. H13416-0001	*Dial Calipers*	*Metric Only*	*22.2cm (8¾")*
C. H13417-0000	*Digi-Max™ LCD Calipers*	*Metric/English*	*22.4cm (8 13/16")*



Evaporating Dish

Doubles As a Weighing Dish

Smooth polypropylene dish with easy pour spout. Useful for titration and evaporation, the dish resists acids and alkalis and is autoclavable at 121ºC (250ºF). Can also be used as a reusable weighing dish. 10cm diameter x 4.2cm deep; holds up to 175ml. **6 per bag, 12 bags per case.**

CATALOG NO.
F40925-0000

SHOP www.belart.com



Fritware® Porous Polyethylene Sheets

Pre-sized Sheets for Your Specific Applications

High-density polyethylene sheets are supplied in medium or coarse porosity. The medium porosity style has an average pore size of 70 microns, and the coarse porosity style averages 110 microns. Fritware® sheets can be cut, sawed, formed, machined and welded to fabricate special items made partly or wholly of this porous material. **Per sheet.**

HDPE

CATALOG NO.	THICKNESS	SIZE	POROSITY	MICRONS
H13638-0018	*3.2mm (⅛")*	*91 x 91cm (36 x 36")*	*Medium*	*45-90*
H13638-0514	*6.4mm (¼")*	*46 x 46cm (18 x 18")*	*Medium*	*45-90*
H13638-0518	*3.2mm (⅛")*	*46 x 46cm (18 x 18")*	*Medium*	*45-90*
H13638-5116	*1.6mm (1/16")*	*46 x 46cm (18 x 18")*	*Medium*	*45-90*
H13639-0518	*3.2mm (⅛")*	*46 x 46cm (18 x 18")*	*Coarse*	*90-130*

Fritware® Porous Rods

High-Density Polyethylene

Porous one foot polyethylene rods can withstand temperatures up to 93ºC (200ºF). Coarse grade porosity with an average pore size of 110 microns. **Per each, 6 rods of one size per case.**



HDPE

CATALOG NO.	DIAMETER	LENGTH	MICRONS
F13635-0012	*12.7mm (½")*	*30.5cm (12")*	*40-70*
F13635-0014	*6.35mm (¼")*	*30.5cm (12")*	*30-75*



Gas Washing Bottle with Fritware® Dispersion Disc

Practical and Economical

Graduated 250ml polypropylene cylinder with a stable extended base for use in precipitating elements from gas. Gas is dispersed through a removable fitting that has a coarse grade porosity, polyethylene dispersion disc. The silicone stopper holds 6.3mm (¼") O.D. tubes for entrance and exit of gas. 0.5 psi maximum pressure. **Per each, 6 per case.**

PP HDPE SILICONE RUBBER

CATALOG NO.
H11030-0000

Gas Sampling Bulbs, 250cc



Hemispherical Ends for Smooth Gas Flow

Polypropylene gas sampling bulbs have polypropylene stopcocks with free-turning Teflon® PTFE plugs. Ends accept 6.4 to 9.5mm (¼ to ⅜") I.D. tubing. Tube body is 5.1cm (2") O.D. x 22.2cm (8¾") long. Stopcocks are 6.4cm (2½") long. Maximum recommended pressure is 15 psi.

A. With 4mm straight bore stopcock on one end and silicone rubber septum mounted in screw fitting on the other end. Septum can withstand several injections. 6 septa included. Overall length 29cm (11 15/16").

B. With 4mm straight bore stopcock on one end and 4mm 3-way stopcock on the other end. 3-way stopcock permits exit of gas to two points. Overall length 32cm (12½").

C. With 4mm straight bore stopcock on each end. Overall length 32cm (12½").
Per each, 6 of one style per case.

TEFLON® PP

CATALOG NO.
A. *F19955-0000*
B. *F19957-0000*
C. *F19953-0000*



Gas Dispersion Tube

Features Fritware® Porous Polyethylene Disc

High-density polyethylene bell-mouthed fitting with a sealed-in, coarse porosity polyethylene disc at the large end results in smaller bubbles. A 30.5cm long (12") x 6.35mm ID (¼") low-density polyethylene tube is fitted to the other end and is suitable for insertion into small openings. O.D. of bell is 2.54cm (1"). **4 per bag, 6 bags per case.**

HDPE

CATALOG NO.
F13691-0000

Vacuum Traps



Vacuum trap and cap are made from corrosion and chemical-resistant polypropylene to provide ideal protection of vacuum sources from contaminants. Tube volume is 100ml and measures 32 x 160mm long. The pressure-fittting cap features an inlet and outlet to fit 7.9mm (5/16") ID tubing. Autoclave-safe at 121°C (250°F). **6 per pack.**

PP

CATALOG NO.	DESCRIPTION
F19919-0000	*Vacuum traps with caps, pack of 6*

SHOP www.belart.com

Frigimat® Dry Ice Makers



Frigimat® Dry Ice Maker

Produce the Dry Ice You Need Right in the Lab

Eliminates the need to buy large quantities of dry ice when only a little is needed. It employs the Joule-Thomson effect to produce a solid 454gm (16 oz) block of dry ice in one to two minutes, and the block can be removed in just 30 seconds. A brass relief valve safely vents excess gas. Each 50lb. cylinder of liquid CO2 with a dip tube will make 8 or 9 blocks of dry ice, each measuring 8.5cm (3⅜") x 11cm (4⅜") long. Made of epoxy-coated steel with an aluminum ice chamber and brass valves with four non-skid rubber feet. Includes a 1.8m (6 feet) nickel plated copper connecting tube with standard CGA 320 (0.830"-14) thread couplings for easy attachment to an LCO2 cylinder. Dimensions: 30 x 17 x 13cm (12 x 6½ x 5") high. Shipping weight: 5.5kg (12 lbs).

BRASS

CATALOG NO.	DESCRIPTION
H38878-0010	*Frigimat® Dry Ice Maker (U.S. Model)*
H38878-0012	*Europe Model*
H38878-0013	*Japan Model*

Economy Frigimat® Dry Ice Maker



Low-Density Polyethylene Chamber for Molding Dry Ice

Produces a solid 454gm (16 oz) block of dry ice in one to two minutes. Each 50lb. cylinder of liquid CO2 with a dip tube will make 8 or 9 blocks of dry ice measuring 9.2 x 10.4cm long (3⅝ x 4"). The polyethylene ice chamber is held in place by a metal clamping mechanism, and a porous polyethylene diffusion plate vents excess gas. Also features a built-in gas pressure gauge and relief valve. The epoxy-coated steel frame has four non-skid rubber feet to prevent sliding. Includes a 1.8m (6 ft) nickel plated copper connecting tube with standard CGA 320 (0.830"-14) thread couplings for easy attachment to a LCO2 cylinder. Overall dimensions are 37 x 14 x 15cm H (14¾ x 5½ x 6"H) with a shipping weight of 3.9kg (8.5 lbs).

CATALOG NO.	DESCRIPTION
H38876-0000	*Economy Frigimat® Dry Ice Maker (U.S. Model)*
H38876-0002	*Europe Model*
H38876-0003	*Japan Model*

Magic Touch™ Ice Buckets, Pans & Racks, See Pages 184-187

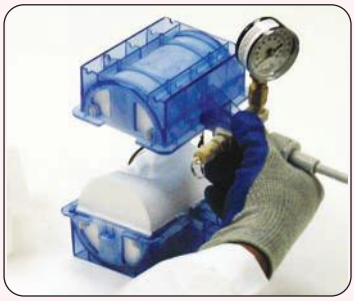
NEW PRODUCT!

Frigimat® Cub - Dry Ice Maker

Economical Block Dry Ice Maker for On-Demand Use

U.S. Patent 7,386,995 B2





This compact device saves the time and expense of receiving a dry ice delivery. Set-up and use is safe and simple. Can be attached to a liquid CO2 cylinder equipped with a dip tube to produce a ready-to-use 250 to 350 gram block of dry ice in only a few minutes. Each 50lb. cylinder makes from 10-16 blocks of dry ice. Dry ice production can be viewed through the transparent polycarbonate body that secures without clamps, screws or tools ensuring easy removal of the solid block of dry ice and disconnection from the CO2 cylinder. The lightweight body is never as cold as the dry ice, even when filled, allowing safe transport of the unit and contents when wearing appropriate gloves. A rugged nickel-plated "pigtail" connects it to the CO2 cylinder valve which is used to regulate gas flow. Operates at very low pressure (displayed on the built-in dial gauge) and incorporates multiple pressure relief safeguards. Includes a 1.8m (6ft) nickel-plated copper connecting tube with standard CGA 320 thread coupling for easy attachment to a LCO2 cylinder.

CATALOG NO.
F38874-0000



Frigimat® Junior Dry Ice Maker

Produces Dry Ice in Flake or Snow Form

Dry ice flakes are useful for packing around irregularly shaped items and are easily produced as needed with the Frigimat® Junior Dry Ice Maker. A brass nozzle screws onto any liquid LCO2 cylinder equipped with a dip tube. When the cylinder valve is opened about ¾ turn, LCO2 expands into the bag to create dry ice snow. The valve is then closed and the bag is ready to be removed and emptied. Makes .77kg (1.7 lb) of flakes per bag. The unit cone is 13cm (5") long x 5.1cm (2") diameter at end. The bag is 15W x 30cm L (6W x 12"L). Shipping weight 0.54kg (1.2 lbs). **12 per case.**

BRASS

CATALOG NO.	DESCRIPTION
F38886-0000	*Frigimat® Junior Dry Ice Maker (U.S. Model)*
F38886-0002	*Europe Model*
F38886-0003	*Japan Model*
F38886-0001	*Extra Bags (pack of 3)*

SHOP www.belart.com



Disposal Cartons for Glass

Safe Disposal for Lab Glassware

Sturdy corrugated cardboard receptacle is supplied with a 2 mil thick polyethylene bag to contain broken glass fragments and spilled liquids. When the box is full, lift the flap opening to a closed position, and the entire unit is ready for disposal. Printed with eye-catching graphics in four languages (English, German, French, Spanish), it is packaged flat to save space and shipping costs and is quickly assembled. Available in two sizes. The floor model holds 18kg (40lb) of waste. The benchtop model holds 5.5kg (12lb). See F13204-0001 (below) for sanitary, reusable cover for floor model. Does not qualify as a DOT container. **6 per pack, 10 packs per case.**

CATALOG NO.	MODEL	DIMENSIONS (L x W x H)	SHIPPING WEIGHT
F24653-0001	*Floor*	*30 x 30 x 69cm (12 x 12 x 27")*	*6.8kg (15lb)*
F24653-0002	*Benchtop*	*20 x 20 x 25cm (8 x 8 x 10")*	*3.2kg (7lb)*

NEW PRODUCT!

Cover for Glass Disposal Carton

Opens with a Simple Touch; Sanitary, Reusable





Dishwasher-safe and autoclave-safe, the reusable Disposal Carton Cover opens quickly and easily by pressing the built-in release tab - no batteries required! The cover fits any disposal carton with a 30.4 x 30.4cm (12 x 12") opening including F24653-0001 Glass Disposal Floor Standing Carton (information above) and features a smooth 10.1 x 10.1cm (4 x 4") area for applying labels. The center panel is green to match the printing on the glass disposal cartons providing fast visual recognition of the waste stream. Compared to the disposable cardboard lids supplied with the cartons, the Disposal Carton Cover provides a wider opening 20.3 x 24.1cm (8" x 9½") permitting safer and more sanitary deposit of wastes into the container. Store the disposable cardboard lid under the bottom of the carton and, when carton is full, simply remove the reusable Disposal Carton Cover, replace with the cardboard lid, and dispose of the carton in the usual fashion. Wash the Disposal Carton Cover as needed, and it's ready for reuse. Autoclavable at 121ºC (250ºF). **Per each, 8 per case.**

A

CATALOG NO.	FRAME/PANEL COLOR
F13204-0001	*White/Green*

For Biohazard Waste Disposal Products, See Pages 6-15

SHOP www.belart.com

Aquet® Detergent for Glassware and Plastics

Phosphate-Free Liquid Detergent with Neutral pH



Safe for glassware, plastics and surfaces, this phosphate-free, biodegradable, non-ionic surfactant will not etch or mar precision glassware. It rinses quickly and dries without wiping. Convenient, pre-portioned pouches are available to make one gallon of 1% solution. For frequent users, Aquet® is offered in a 3.8 liter (1gallon) bottle with a 473ml (16oz) working solution dispenser bottle. It is also available in 18.9 liter (5 gallon) and 208 liter (55 gallon) sizes. Not for use in automatic dishwashers.



CATALOG NO.	SIZE	CASE	BOX
F17094-0020	*20 ml pouch makes one gallon*	*N/A*	*20 pouches*
F17094-0030	*1 gallon*	*12*	*Each*
F17094-0050	*5 gallon Cubitainer™*	*6*	*Each*
F17094-0510	*55 gallon drum*	*N/A*	*N/A*

Chromerge® Glass Cleaner

The Ultimate Glassware Cleaner



Leaves surfaces chemically clean, and aids in creating a perfect meniscus. Each bottle contains 25ml of chromium trioxide in solution which, when mixed with a 4.1kg (9lb) 2.2 liter container of sulfuric acid, makes a highly efficient cleaner. The mixture can be stored and re-used until it becomes green, indicating loss of effectiveness. Not for use with plastics. **6 per box, 4 boxes per case.** No Air Shipment.

CATALOG NO.
F17089-0000

Absorbant Scrubbing Sponge, See Page 75

SHOP www.belart.com

Cleanware™ Bottle Brush

Swivel Head for Thorough Cleaning

Uniquely designed, swiveling pivot head enables thorough cleaning of bottles and flasks including difficult curves and corners. Natural bristles set in wood will not scratch glass. The swivel head fits through a 29/26 standard taper neck or any neck with a diameter of 24mm (1") or more. The brush has a 45mm (1¾") wooden back and a 33cm (13") long hardwood handle.



CATALOG NO.
F17068-0000

Cleanware™ Pipette Rinsing System

A. Pipette Jars

For Pipette Cleaning and Storage

Leakproof, polyethylene pipette jars store and soak pipettes and will withstand all common cleaning solutions at room temperature, including sulfuric acid/dichromate. Pipette Baskets (below), filled with pipettes, fit into the corresponding size jar. **Per each, 4 per case.**



LDPE

CATALOG NO.	DIAMETER	HEIGHT	HOLDS PIPETTE BASKET
F17130-0018	*15.2cm (6")*	*46cm (18")*	*17106*
F17130-0024	*15.2cm (6")*	*61cm (24")*	*17107*

B. Pipette Baskets

Avoid Costly Breakage

Pipette baskets have cut-out hand grips for easy handling. Gusher holes provide quick drainage when lifted from a soaking jar, and a foam disk on the bottom cushions pipette tips to prevent breakage. **Per each, 6 per case.**

LDPE

CATALOG NO.	FOR PIPETTES	DIAMETER	HEIGHT
H17106-0000	*46cm (18")*	*10.2cm (4")*	*58cm (23")*
H17107-0000	*61cm (24")*	*10.2cm (4")*	*81cm (32")*

SHOP www.belart.com

C. Pipette Rinsers



Effective, Reliable Design Ensures Safe, Efficient Operation

Provides a simple, automatic method for rinsing large numbers of pipettes at one time. High level water entry provides an air gap between the maximum water level and the end of the water inlet tube ensuring safe and efficient operation. The "tube within a tube" siphoning system assures rapid, complete and automatic siphoning and refilling over a wide range of inlet water pressures and flow rates. Minimizes the danger of siphon stalling at certain water inflow rates and prevents any possible backflow into the potable water supply in the event of a pressure interruption. Includes a 30.5cm (12") long piece of 2.5cm (1") I.D. drain tube and 1.5M (5ft) of 12.5mm (½") I.D. flexible water inlet tube.

LDPE

CATALOG NO.	FOR PIPETTES	DIMENSIONS (W x H)	PIPETTE BASKET
F17131-0018	46cm (18")	25.2 x 64cm (9⁹⁄₁₀ x 25¼")	17106
F17131-0024	61cm (24")	25.2 x 79cm (9⁹⁄₁₀ x 31¼")	17107

Complete Cleanware™ Pipette Rinsing System

All Three Pieces (A, B, C) in One Convenient Set

LDPE

CATALOG NO.	DESCRIPTION
H17121-0000	Items A,B,C For Pipettes up to 46cm (18")
H17122-0000	Items A,B,C For Pipettes up to 61cm (24")

Choose from a Variety of Pipette Storage Racks and Trays, See Page 279-282

SHOP www.belart.com

Cleanware™ Stainless Steel Sponge

Cleans Glassware and Stainless Steel without Scratching

Scrub glassware and stainless steel products sparkling clean with or without detergents. There are no sharp edges to damage surfaces or irritate hands. Measuring roughly 6.4 x 10cm (2.5 x 4"), these pliant sponges are flexible enough to thoroughly clean hard to reach areas. Grade 430 steel wool. **2 per bag, 24 bags per case.**



STAINLESS STEEL

CATALOG NO.
F17085-0000



Test Tube Baskets

For Rinsing, Transport and Storage

Ideal for rinsing glassware, these polypropylene baskets with lids are simply inverted for easy draining. Steam autoclavable at 121ºC (250ºF).
Per each, 6 per case.

PP

CATALOG NO.	DIMENSIONS (L x W x H)
F18737-0000	*12.7 x 10.2 x 10.2cm (5 x 4 x 4")*
F18737-0010	*With Lid - 12.7 x 10.2 x 10.2cm (5 x 4 x 4")*
F18738-0000	*15.2 x 15.2 x 15.2cm (6 x 6 x 6")*
F18738-0010	*With Lid - 15.2 x 15.2 x 15.2cm (6 x 6 x 6")*
F18739-0000	*22.9 x 22.9 x 22.9cm (9 x 9 x 9")*
F18739-0010	*With Lid - 22.9 x 22.9 x 22.9cm (9 x 9 x 9")*

The Glascribe® Pen

For Marking Laboratory Glassware

The Glascribe® Pen, with retractable tungsten carbide tip, (Mohs Hardness = 9) easily inscribes on glass, ceramics, and plastic. The pen has a pocket clip so it is always handy when needed. **Per each, 12 per case.**



CATALOG NO.
H44150-0000

See the Labeling Section for Felt Tip Glass Marking Pens, Page 195

SHOP www.belart.com

NEW PRODUCT!

Lab-Aire® II Drying Racks

Laboratory space is always in high demand making the small footprint of the Lab-Aire® II Drying Racks a practical solution for drying and storing fragile, frequently used labware.

Choose from **Non-electric Benchtop** or **Wallmount** drying racks or accelerate drying with the warm, flowing air from **Electric Benchtop** models. All styles have removable pegs in 3 different lengths that can be positioned for optimal use. Extra accessories and a variety of different sizes/configurations let you create a drying system that works for you.

Wallmount - Non-electric	Benchtop - Non-electric	Benchtop - Electric
• Space-saving, move drying off the bench	• Portable, use anywhere convenience	• Accelerate drying with warm, circulating air
• Easily mounts on walls or standard pegboard	• Offers the most choices in size	• Use with or without power cycle
• Single-sided; can be custom made with additional height	• Single- and Double-sided models	• Single- and Double-sided models: 120V or 230V



Wallmount - Non-electric Single-sided, 2 tier



Benchtop - Non-electric Double-sided, 1 tier



Benchtop - Electric Single-sided, 3 tier

Increase Drying Space Three Ways

1. Go up in height – 1, 2 and 3 tier models available in all styles
2. Double-sided benchtop models double your capacity with minimal increase in footprint
3. Use multiple Lab Aire® II Dryers

Increase Flexibility

Each Lab Aire® II Dryer comes with an assortment of pegs in various lengths. Electric models also have baskets for holding small labware. Additional pegs and baskets* to customize your dryer can be purchased separately.

** Baskets fit electric models only.*

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Lab-Aire® II Dryers Quick Comparison Chart

Select from 12 different models with up to 114 peg positions.

- Rugged ABS plastic will never corrode and easily wipes clean
- Drip/storage trays with scalloped wells hold long thin labware
- Small (3"), Medium (4"), and Large (5") pegs can be moved and repositioned to hold a variety of labware including beakers, flasks, bottles, test tubes and cylinders
- Extra pegs and drying baskets available, page 170

	Style	Wallmount	Benchtop	Electric	Dimensions (W x D x H)	Peg Slots	Peg Sizes*	Model	Page #
Wallmount Non-Electric	Single 1 Tier	X	X		37.5 x 12.7 x 24cm (14.75 x 5 x 9.4")	19	S - 6, M - 7, L - 6	18933-0011	168
	Single 2 Tiers	X			37.5 x 12.7 x 41.7cm (14.75 x 5 x 16.4")	38	S - 12, M - 14, L - 12	18933-0014	168
	Single 3 Tiers	X			37.5 x 12.7 x 59.4cm (14.75 x 5 x 23.4")	57	S - 18, M - 21, L - 18	18933-0013	168
Benchtop Non-Electric	Single 1 Tier	X	X		37.5 x 12.7 x 24cm (14.75 x 5 x 9.4")	19	S - 6, M - 7, L - 6	18933-0011	167
	Single 2 Tiers		X		37.5 x 17.8 x 39cm (14.75 x 7 x 15.4")	38	S - 12, M - 14, L - 12	18933-0012	167
	Single 3 Tiers		X		37.5 x 17.8 x 57cm (14.75 x 7 x 22.4")	57	S - 18, M - 21, L - 18	18933-0015	167
	Double 1 Tier		X		37.5 x 25.4 x 21.3cm (14.75 x 10 x 8.4")	38	S - 12, M - 14, L - 12	18933-0021	167
	Double 2 Tiers		X		37.5 x 25.4 x 39cm (14.75 x 10 x 15.4")	76	S - 24, M - 28, L - 24	18933-0022	167
	Double 3 Tiers		X		37.5 x 25.4 x 57cm (14.75 x 10 x 22.4")	114	S - 36, M - 42, L - 36	18933-0023	167
Benchtop Electric	Single 2 Tiers	X		X	42.5 x 19 x 40cm (16.75 x 7.5 x 15.7")	19	S - 6, M - 7 L - 6 2 Baskets, 7 Peg Plugs	18819-0012 (120V) 18819-2301 (230V)	169
	Single 3 Tiers	X		X	42.5 x 19 x 57.7cm (16.75 x 7.5 x 22.7")	38	S - 12, M - 14 L - 12 2 Baskets, 14 Peg Plugs	18819-0013 (120V) 18819-2302 (230V)	169
	Double 2 Tiers	X		X	42.5 x 25.4 x 40cm (16.75 x 10 x 15.7")	38	S - 12, M - 14 L - 12 4 Baskets, 14 Peg Plugs	18819-0022 (120V) 18819-2303 (230V)	169
	Double 3 Tiers	X		X	42.5 x 25.4 x 57.7cm (16.75 x 10 x 22.7")	76	S - 24, M - 28 L - 24 4 Baskets, 28 Peg Plugs	18819-0023 (120V) 18819-2304 (230V)	169

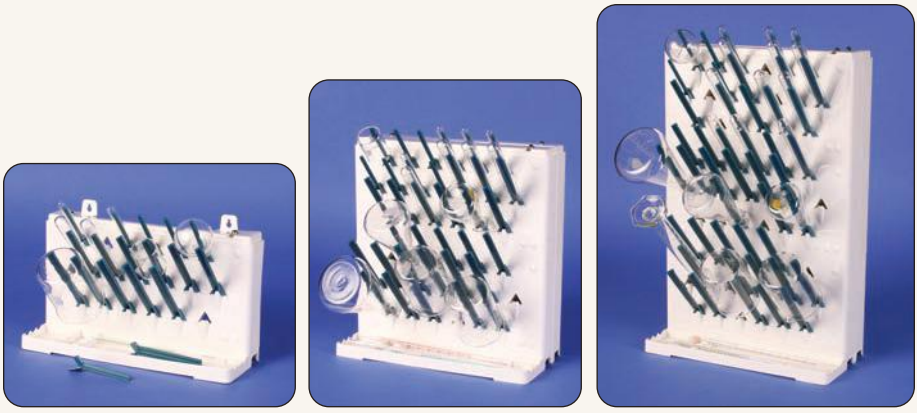
*S - Small • M - Medium • L - Large

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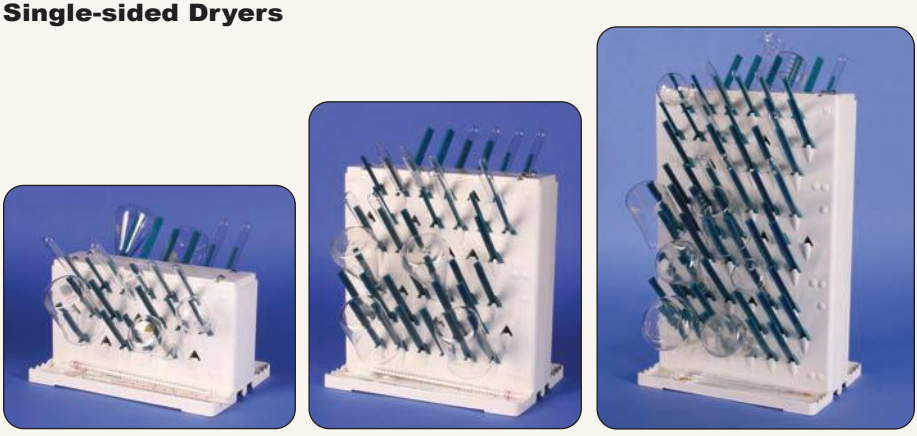
NEW PRODUCT!

Lab-Aire® II Non-Electric Benchtop Dryers

Non-electric benchtop models let you place your dryer wherever it will be most convenient. Sturdy base provides excellent balance and support. Single-sided models fit nicely against a wall for economy of space. Turn double-sided models perpendicular to the bench for easy access to both sides.



Single-sided Dryers



Double-sided Dryers

CATALOG NO.	DESCRIPTION	FOOTPRINT L x W	HEIGHT	PEGS
F18933-0011	*Single-sided, 1 tier, benchtop or wallmount*	*14.75" x 5"*	*9.4"*	*19*
F18933-0012	*Single-sided, 2 tier*	*14.75" x 7"*	*15.4"*	*38*
F18933-0015	*Single-sided, 3 tier*	*14.75" x 7"*	*22.4"*	*57*
F18933-0021	*Double-sided, 1 tier*	*14.75" x 10"*	*8.4"*	*38*
F18933-0022	*Double-sided, 2 tier*	*14.75" x 10"*	*15.4"*	*76*
F18933-0023	*Double-sided, 3 tier*	*14.75" x 10"*	*22.4"*	*114*

SHOP www.belart.com

NEW PRODUCT!

Lab-Aire® II Non-Electric Wallmount Dryers

Hang Labware out to Dry

Wallmount dryers keep labware up off the bench and out of the way as it dries. Easily installs on walls or standard pegboard using molded-in tabs with key hole openings. Hardware not included.





CATALOG NO.	DESCRIPTION	WALL SPACE W x H	DEPTH	PEGS
F18933-0011	Single-sided, 1 tier, bench or wallmount	14.75" x 9.4"	5"	19
F18933-0014	Single-sided, 2 tier	14.75" x 16.4"	5"	38
F18933-0013	Single-sided, 3 tier	14.75" x 23.4"	5"	57

NEW PRODUCT!

Lab-Aire® II Electric Benchtop Dryers

Electric benchtop models offer a compact footprint and accelerate drying with warm, circulating air.

- 400 watts of drying power gently circulates heated air into and around items to decrease drying time.
- Heat selector knob allows choice of three temperature settings: high, medium and low.
- Power button illuminates when in use, and an 8-amp @ 120V (4-amp @ 230V) circuit breaker and independent thermo-fuse protects unit from overheating.
- Select from single and double-sided models with up to 76 peg locations.
- Removable polypropylene baskets serve as storage for small labware and extra pegs.

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NEW PRODUCT!

Lab-Aire® II Electric Benchtop Dryers

Electric drying efficiency is enhanced with a replaceable foam filter that keeps warmed air dust free and plugs that can be inserted into unused peg holes to increase airflow to pegs in use. Like the Non-electric Benchtop models these freestanding dryers have sturdy bases with excellent balance and can be placed on any flat surface. Conserve benchtop space by placing single-sided models up against the wall. Double-sided models double your capacity with only a slightly larger footprint and can be turned perpendicular to the benchtop for easy access to both sides.



CATALOG NO.	VOLTAGE	DESCRIPTION	FOOTPRINT L x W	HEIGHT	PEGS/BASKETS
F18819-0012 F18819-2301	120V 230V*	Electric single-sided, 2 tier (2 baskets)	16.75" x 7.5"	15.7"	19/2
F18819-0013 F18819-2302	120V 230V*	Electric single-sided, 3 tier (2 baskets)	16.75" x 7.5"	22.7"	38/2
F18819-0022 F18819-2303	120V 230V*	Electric double-sided, 2 tier (4 baskets)	16.75" x 10"	15.7"	38/4
F18819-0023 F18819-2304	120V 230V*	Electric double-sided, 3 tier (4 baskets)	16.75" x 10"	22.7"	76/4

*230V models are CE approved

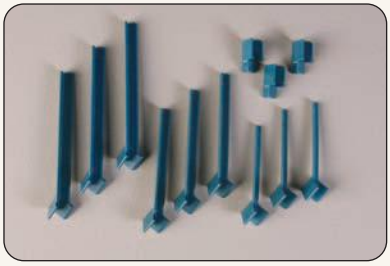
SHOP www.belart.com

NEW PRODUCT!

Lab-Aire® II Dryer Accessories

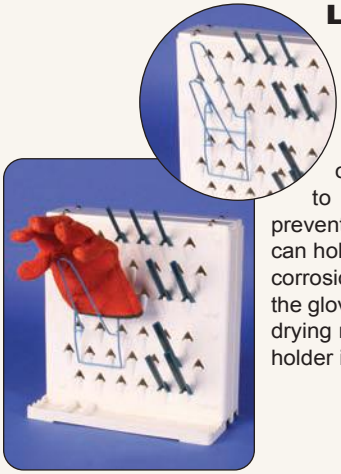
For all Lab-Aire® II Benchtop and Wallmount Dryer Models

CATALOG NO.	DESCRIPTION
F18931-0001	Bag of 19 small pegs (3") and 6 plugs
F18931-0002	Bag of 19 medium pegs (4") and 6 plugs
F18931-0003	Bag of 19 large pegs (5") and 6 plugs
F18737-0000	Basket 5¾"L x 4 13/16W X 4¼"H Fits electric models only; per each, 6 per case





NEW PRODUCT!



Lab-Aire® II Glove Holder

Say Goodbye to Wet Gloves Forever

Realize faster drying time by placing wet laboratory gloves on the convenient Lab-Aire® II Glove Holder. This holder attaches easily to all Lab-Aire® II Dryers and keeps gloves open for external as well as internal drying. The holder helps to extend the life of gloves by maintaining their shape, preventing bending, cracking and moisture buildup. Each holder can hold one pair of gloves and is epoxy-coated for chemical and corrosion resistance. Significantly reduce drying time by attaching the glove holder to Electric Lab-Aire® II Drying Racks. The electric drying racks circulate heated air in and around the gloves. Glove holder is steam autoclavable at 121ºC (250ºF).

CATALOG NO.	DESCRIPTION
F18931-0000	Wire Glove Holder - Holds two gloves

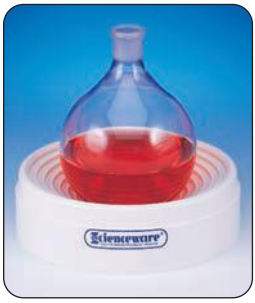
SHOP www.belart.com

Poxygrid® Labware Drain Stand



Three rows of epoxy-coated hairpin-loop supports (14 in all) hold labware with 18mm I.D. necks or larger. Top row has 12 straight pins 10.2cm (4") long to accommodate smaller items. A polystyrene tray catches water as labware drains. Rubber tipped feet provide non-skid use on a tabletop, or the stand may be wall-mounted using wire loops on the back.

CATALOG NO.	DIMENSIONS (L x W x H)
H18805-0000	*43 x 17 x 48cm (16¾ x 6½ x 19")*



Round-Bottom Flask Support

Standard Use for Most Labs

Round-bottom flasks of any size up to 10 liters are cradled securely in the stepped concentric rings of this support. Racks can be stacked together for convenient storage. Polypropylene construction is not affected by spilled acids, alkalis or other corrosive liquids. Steam autoclavable at 121ºC (250ºF). **Per each, 6 per case.**

PP A

CATALOG NO.	DIMENSIONS (DIAM. x H)
F38950-0000	*17.1 x 5.1cm (6¾ x 2")*

NEW PRODUCT!

Poxygrid® Round Bottom Flask Carrier



The only epoxy-coated wire rack that can hold four round bottom flasks ranging in size from 100ml to 500ml. Height-adjustable polypropylene clips secure the necks for a wide variety of flasks. 25.4cm x 25.4cm footprint, 23.5cmH (10" x 10" x 9¼" H). Steam autoclavable at 121ºC (250ºF).

A

CATALOG NO.	DESCRIPTION
F16951-0002	*Poxygrid® Round Bottom Flask Carrier with Clips*
F16951-0004	*Round Bottom Flask Carrier Replacement Clips*

SHOP www.belart.com



Flaskup™ Flask Holders

Holds Round and Tapered Bottom Flasks

Made from polypropylene, these unique holders are durable and easy-to-clean. The inside wall has a slight taper to the open bottom, allowing a variety of flask shapes and sizes to fit into one holder. The wide base keeps flasks stable and side slots can be used as sight windows. Autoclavable at 121°C (250°F). **3 per package, 8 packages per case, except assortment pack.**

CATALOG NO.	FITS FLASK SIZE	BOTTOM SLOT	TOP SLOT	LENGTH OF SLOT
F38951-2000	*10ml*	*4.2mm*	*4.9mm*	*21.4mm*
F38951-2002	*25ml*	*4.2mm*	*4.9mm*	*22.8mm*
F38951-2004	*50ml*	*4.2mm*	*4.9mm*	*24.2mm*
F38951-2006	*100ml*	*5.7mm*	*6.3mm*	*31.4mm*
F38951-2010	*250ml*	*5.4mm*	*7.8mm*	*44.6mm*
F38951-2012	*500ml*	*6.8mm*	*9.4mm*	*53.5mm*
F38951-2008	*Assortment Pack; 3 each 10, 25, 50, and 100ml flask sizes*			

Fluo-Kem® Lab-Thread Tape



Lubricates and Seals without Grease or Adhesives

Pure, non-sintered Teflon® PTFE Lab-Thread Tape contains no adhesive, yet does a superior job of sealing small apertures. Conforming to irregularities of surfaces, threads and joints of all types, it eliminates the need for lubricants and vacuum greases. Provides a vacuum tight seal and eliminates ″freezing″ even after long periods. Can be used on ground glass joints, desiccators, bell jars, freeze-drying equipment, etc. 0.0635mm (0.0025") thick, 12.7mm (½") wide x 7.6 meters long (300") per roll. Withstands temperatures from -250°F to 500°F. **3 rolls per bag, 6 bags per case.**

CATALOG NO.
F24020-0000

SHOP www.belart.com

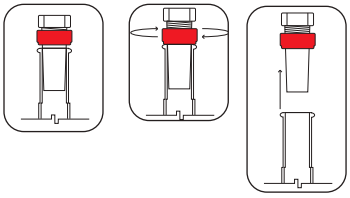
Safe-Lab™ stoppers are easily removed from standard tapered glassware by turning the red extraction nut, to apply a safe, gentle and even force against the mouth of the vessel helping to eliminate accidents and breakage.

Safe-Lab™ Solid Teflon® PTFE Stoppers



Use with Boiling and Distilling Flasks

Solid Teflon® stopper with extracting nut for flasks with ground joints. **Per pack listed below.**



PP TEFLON®

CATALOG NO.	JOINT SIZE	PACK
F20196-1485	14/20	3
F20196-1500	19/22	3
F20196-1502	24/40	2

Safe-Lab™ Hollow Teflon® PTFE Stoppers

Use these hollow Teflon® stoppers for boiling and distilling style flasks with ground joints. Stopper comes with polypropylene extracting nut for easy removal from flask. **Per pack or each as listed below.**



PP TEFLON®

CATALOG NO.	JOINT SIZE	PACK
F20197-1515	24/40	2
F20197-1530	29/42	2
F20197-1540	34/45	Each
F20197-1550	45/50	Each
F20197-1555	55/50	Each

SHOP www.belart.com



Fluo-Kem® Sleeves

Micro-thin sleeves made of virgin Teflon® PTFE fit snugly on full length ground glass joints to keep them from seizing, leaking or galling. Used without lubricants or adhesives, they are chemically inert, preclude contamination, and withstand temperatures from -100ºC (-148ºF) to 250ºC (482ºF). The sleeves have a nominal thickness of .05mm (.002") and an accurate 10:1 taper. Custom sizes, special lengths and European specification sleeves available on request. **3 per pack, 12 packs of one size per case.**

TEFLON®

CATALOG NO.	JOINT SIZE
F20414-1030	10/30
F20414-1435	14/35
F20414-1922	19/22
F20414-1938	19/38
F20414-2440	24/40
F20414-2942	29/42
F20414-3445	34/45
F20414-4550	45/50
F20414-5050	50/50

Fluo-Kem® Sleeves with Grip Ring and Outer Ribs



Reusable Teflon® Sleeves

Keep standard taper glass joints from seizing, leaking or galling. No lubricant is required to make a vacuum-tight joint. The top of each sleeve has a rigid, knurled grip ring 3mm (0.1") thick for easy assembly or removal of the sleeve from a standard taper joint. Outer rings on the taper prevent sticking. Resistant to most chemicals and reusable, the sleeves are made of .2mm (.008") virgin Teflon® PTFE. Thickness at rings is .35mm (.014"). Can be subjected to temperatures from -100ºC to +250ºC (-148ºF to +482ºF). **3 per pack.**

TEFLON®

CATALOG NO.	SIZE
F20417-2440	24/40
F20417-2942	29/42
F20417-4550	45/50

NEW PRODUCTS!

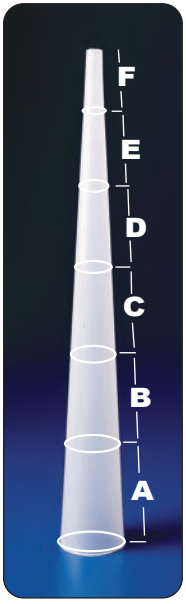
Battery Powered Engraving Tool

Permanently Engraves in Seconds

Engrave test tubes, bottles, racks, keys, equipment, tools, electronics and more. Simply hold the Engraving Tool like a pen, press the power button, apply light pressure, and 'write,' to permanently mark most materials including glass, plastic, wood, metal, bone, and stone. Cordless battery power makes it portable for use virtually anywhere indoors or out in the field. Marks will not fade if exposed to chemicals or sunlight. Operates on two 'AA' batteries; not included. Extra engraving tip included. Convenient polyethylene stand (sold separately) holds the Engraving Tool when not in use and has a safe place to keep extra tip.



CATALOG NO.	DESCRIPTION
F44150-0005	*Battery Powered Engraving Tool, 7"L*
F44150-0015	*Engraving Tool Stand*



Poly-Cone™ Universal Adapter

This precision-engineered adapter forms a continuous standard taper inside and out, from top to bottom. It may be cut with a fine-tooth saw or sharp knife into various adapters, such as individual bushings, stirrer bearings, thermometer and gas inlet tube supports, drip-tips, funnels, trap connectors for tubing, etc. It withstands temperatures up to 121°C (250°F).

The Poly-Cone™ adapter allows connection of two equal or unequal ℣ joints, a ℣ joint and a straight tube, or two straight tubes. When new and well-lubricated, it will hold a vacuum. Overall length 27cm (10⅝"). **Per each, 12 per case.**

A few of the many uses:

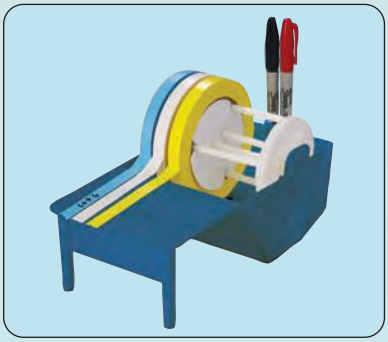
(A) 35/50 to 30/50	(accommodates 34/45 to 29/42)
(B) 30/50 to 25/50	(accommodates 29/42 to 24/40)
(C) 25/50 to 20/50	(accommodates 24/40 to 19/38)
(D) 20/50 to 15/50	(accommodates 19/38 to 14/35)
(E) 15/50 to 10/50	(accommodates 14/35 to 10/30)
(F) 10/20 to 5/20	(accommodates thermometers, glass tubing, etc.)

PP

CATALOG NO.
H20300-0000



sidENTRY™ Glove Box
Large Access Doorfor Materials and Equipment, Page 179



Write-On™ Label Tape
Efficient Labeling Solutions, Page 188



Tech Pens
Seven Colors for Writing on Glass, Metal, Plastics, and More, Page 195



Magic Touch™ Icewares
Lightweight, Superior Insulation for Cold Storage, Page 184

SHOP www.belart.com

Glove Box Return Policy: ***Due to the unspecified nature of their use and the environment in which they are used, glove boxes may only be returned due to shipping damage reported within 2 days of receipt, and only if the unit has not been used.***

NEW PRODUCT!



Techni-Dome® 360˚ Glove Chamber

Easy to Store When Not in Use

The Techni-Dome® Glove Chamber provides a generous workspace with a small footprint to preserve benchtop space and is made of clear polycarbonate for an unobstructed view of the workspace from any angle. Smooth, hemispherical interior is easy-to-clean and the high-impact strength and scratch-resistant surface provides for a long service life. The molded-in handles and its light 5kg (11lb) weight offer portability, making the unit suitable for field use.

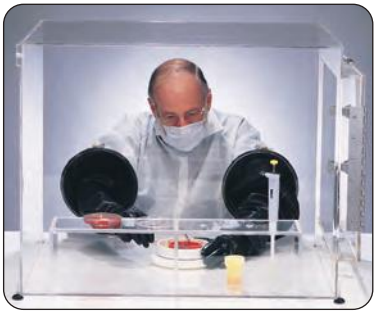
The unit's two-piece construction allows for quick processing of samples. To use the Glove Chamber, simply open the top half, place materials on the included platform, and close the unit. When not in use, the top half nests into the bottom for convenient storage.

Gas ports on top and bottom and one included stopcock with plug can be used to purge the glove box with nitrogen or other gases to create a controlled atmosphere. Two 6" circular glove ports accept any standard glove box gloves designed to fit 6" diameter openings. Overall volume, 65 liters (4000 cu. in), overall dimensions 60cm W x 60cm H (22"W x 22"H). Order gloves and clamping rings separately.

CATALOG NO.	DESCRIPTION
F50030-0000	*Techni-Dome® 360 Glove Chamber, per each*
H50029-0000	*Neoprene Gloves (size large), per pair*
H50029-0200	*Clamping Rings for 6" Ports, per bag of 2*
F42040-0000	*Stopcock with Plug*

SHOP www.belart.com

sidENTRY™ GLOVE BOX



Large Access Door for Materials and Equipment

Small enough to move wherever it's needed, the sidENTRY™ Glove Box features a large side entry door, 44.5W x 44.5cmH (17½ x 17½") for placing material or equipment into the box. Hand entry through the 8" circular ports is customized to end user needs by selecting either the bellows type glove, economy sleeved glove, seamless sleeved glove or the iris port (H50025-0020), all sold separately see pages 182-183. Four adjustable levelers ensure glove box stability and leveling. Gas purging of the glove box is possible via the supplied and easily assembled stopcock. Made of 6.35mm (¼") clear acrylic.

ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
H50026-0000	*76.2 x 61 x 61cm (30 x 24 x 24")*



8" O.D. Glove Port Covers

Use these covers to seal off any glove ports to which gloves are not attached. Covers are one-piece construction with a neoprene gasket for a snug fit and fit glove ports with a 20.3cm (8") O.D. Simply press the covers into the port opening until the flange on the cover meets the glove port. **Per pair.**

PS

CATALOG NO.	DESCRIPTION
H50025-0008	*Covers for 8" Ports*

Threaded Adapter Kit



Allows Convenient Attachment of Accessories

After drilling a ⅜" hole in the glove box, this threaded metal tube can be inserted for attaching needle valves or hose ends. Comes complete with nuts, gaskets and washers to ensure an airtight seal with the glove box. Tube measures 6cm (2½") long with a ⅜ - 27 thread on each end, allowing for attachment of accessories both inside and outside the glove box.

CATALOG NO.
H50025-0010

SHOP www.belart.com



Portable Glove Box System

Economical Containment Unit Ideal for Quick Set-up Anywhere

The operator and the external environment are protected with this lightweight, self-contained portable isolation cabinet. A large acrylic window with 6" circular glove ports permits safe viewing of operations, and the 8" diameter side port allows easy insertion of material and equipment. Large size, 22" long (20" installed) neoprene gloves are included and provide good protection against gas, liquid or solid penetration and are secured to the 6" circular port holes with clamping rings. Body molded from LDPE with round corners throughout for easy cleaning. Overall dimensions: 68.5 W x 33D x 55cmH (27 x 13 x 22"). Shipping weight: 17.2kg (38lbs.)

LDPE ACRYLIC

CATALOG NO.	DESCRIPTION
H50028-2000	*Ready to Use Glove Box System, with 1 pair of gloves and 2 clamping rings*
H50028-2001	*Ready to Use Glove Box System with 2 Gas Ports, 1 pair of gloves and 2 clamping rings*
H50028-0000	*Glove Box Only*
H50029-0000	*Replacement Neoprene Gloves (size large), per pair*
H50029-0200	*Replacement Clamping Rings for 6" Ports, per pair*

Lightweight and Easy to Move from One Location to Another

Design a Glove Box to Your Own Specifications Using the Accessories on Pages 180-183 or Contact Bel-Art's Custom Fabrication Department at 1-800-4BELART for Your Unique Glove Box Requirements!

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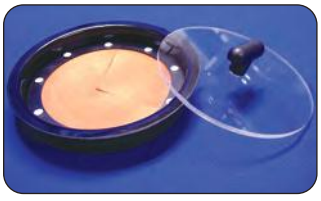
Iris Port Entry - 8" O.D.



Eliminate the Use of Bulky Gloves
When Working with Delicate Instruments

Allows protected access, without the use of long sleeve gloves, to any glove box with a 20.3cm (8") O.D. port (F50040 series [except F50040-1010], H50026). Fabricated of ten layers of silicone latex rubber, the 30 points of pliant material afford easy access and withdrawal while maintaining an excellent seal around the arm. Best for unconstrained use of delicate instruments inside the Glove Box where operations with gloves can be awkward. **Per pair.**

CATALOG NO.
H50025-0020

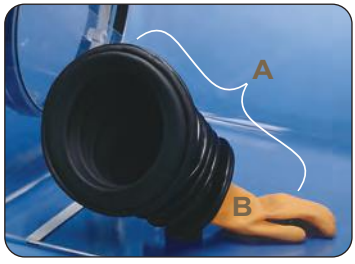


Iris Port Entry Cover

Covers fit into iris ports when not in use, preserving interior glove box environment. **Per pair.**

CATALOG NO.
H50025-0009

Bellows Type Gloves



Forms a Leakproof Unit with the Box

Made from natural latex with a removable hand, the sleeves fit 20cm (8") circular ports and 18 x 25cm (7 x 10") oval ports. The length of the extended sleeve and glove is approximately 76cm (30"). When the glove and sleeve are separated, the sleeve remains attached to the box. Glove sizes are interchangeable, and almost any standard laboratory, surgical or disposable glove can be used. Forms a leak-proof unit with O-ring construction integral with the box. The bellows allows cooling air circulation. Use with H50025-0320 Clamping Rings (next page) to hold gloves in place. **Per pair.**

CATALOG NO.	SIZE
A. Bellows and Gloves	
H50025-0308	*Small (size 8)*
H50025-0309	*Medium (size 9)*
H50025-0310	*Large (size 10)*
B. Replacement Gloves only	
F50025-0331	*Small (size 8)*
F50025-0332	*Medium (size 9)*
F50025-0333	*Large (size 10)*

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Glove Box Sleeved Gloves

Seamless, Comfortable; Fit 8" Glove Ports

One-piece, seamless, smooth neoprene protection against liquid, gas or solid substance penetration. Suitable for use with glove boxes having 8" glove ports including Clear View, F50040 series (except F50040-1010) or sidENTRY™, H50026-0000 Glove Boxes. See below for clamping rings (H50025-0320) to hold gloves in place. **Per pair.**

CATALOG NO.	SIZE
H50025-0408	*Small (size 8)*
H50025-0409	*Medium (size 9)*
H50025-0410	*Large (size 10)*

Glove Box Economy Sleeved Gloves



Neoprene Protection

One piece, bonded neoprene protection against liquid or gas penetration. Use series 50029 for glove boxes with 6" glove ports (F50040-1010, F50030-0000, F50028-2000) and series 50025 for glove boxes with 8" glove ports (series F50040 except -1010 and H50026-0000.) See below for clamping rings to hold gloves in place. **Per pair.**

CATALOG NO.	SIZE	GLOVE PORT SIZE
H50029-0010	*Small (size 8)*	*6"*
H50029-0000	*Large (size 10)*	*6"*
H50029-0040	*Extra Large (size 11)*	*6"*
H50025-0542	*Small (size 8)*	*8"*
H50025-0544	*Medium (size 9)*	*8"*
H50025-0546	*Large (size 10)*	*8"*
H50025-0548	*Extra Large (size 11)*	*8"*

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Clamping Rings

Adjustable Rings Hold Gloves in Place

Fit 6" Ports – Including Techni-Dome® F50030-0000, Portable Glove Box H50028-0000, Clear View 1 x 1 F50040-0000 or any glove box with 6" diameter glove port holes. **Per pair.**

CATALOG NO.	DESCRIPTION
H50029-0200	*Adjustable, Fit 6" Circular Port Holes*

Fit 8" Ports – Including Clear View, F50040 series (except F50040-1010) or any glove box with 8" diameter glove port holes. **Per each.**

CATALOG NO.	DESCRIPTION
H50025-0320	*Adjustable, Fit 8" Circular Port Holes*

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Magic Touch™ Insulated Labware

Keep Your Cool with Efficiency and Style!

Lightest, most durable icewares on the market, Magic Touch™ Ice Buckets and Pans have excellent insulating properties for keeping temperature sensitive samples in an optimal environment. Circular and rectangular floating racks fit neatly inside buckets and pans.



Expanded Polymer Foam Performs!

- Non-sweating, superior insulation properties
- Temperature range: -196° to 93°C (-321° to 200°F)
- Lightest, most durable insulated labware on the market
- Impervious to moisture and odors
- Chemical resistant
- Unbreakable under normal use conditions
- Use with ice, dry ice, dry ice alcohol slurries or liquid nitrogen
- Use multiple colors to track and differentiate samples

Four vibrant mix and match colors!



* As a service to our international dealers 12-pack bulk case numbers have been created for Magic Touch™ ice buckets and lab pans. Bulk case pack items are individually bagged but are not separately boxed in order to save you on freight costs.

Ice Buckets with Lids

Lightweight Easy Transport



A. *Handy, 2.5L*



B. *N'Icer, 4.0L*

- Non-sweating, superior insulation properties
- Use with ice, dry ice, dry ice alcohol slurries or liquid nitrogen
- Unbreakable under normal use conditions
- Flared edge for easy carrying
- Lid can be cut to make openings for thermometers, cooling coils, flasks etc.



Two Sizes:

A. 2.5 Liter, Handy
22.2cm diameter rim x 12.0cmH (8¾ x 4¾")

B. 4.0 Liter, N'Icer
31.5cm diameter rim x 20.0cmH (12⅜ x 7⅛")

EACH* CATALOG NO.	PACK OF 12* CATALOG NO.	DESCRIPTION
M18848-2001	*M18848-2091*	*Blue, 2.5L Handy with lid*
M18848-2002	*M18848-2092*	*Black, 2.5L Handy with lid*
M18848-2003	*M18848-2093*	*Red, 2.5L Handy with lid*
M18848-2004	*M18848-2094*	*Green, 2.5L Handy with lid*
M18848-2201		*Blue, 2.5L Handy without lid*
M18848-4001	*M18848-4091*	*Blue, 4.0L N'Icer with lid*
M18848-4002	*M18848-4092*	*Black, 4.0L N'Icer with lid*
M18848-4003	*M18848-4093*	*Red, 4.0L N'Icer with lid*
M18848-4201		*Blue, 4.0L N'Icer without lid*

Magic Touch™ Round Floating Tube Racks, See Page 187

* See page 184 for information regarding special case packing for international shipments

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Insulated Lab Pans

Lightweight with Largest Surface Area

- Use with ice, dry ice, dry ice alcohol slurries or liquid nitrogen
- Lightweight with superior insulating properties
- Stackable, non-sweating and leakproof



A. *Mini*



B. *Midi*



C. *Maxi*



Three Sizes:

A. 1.0 Liter, Mini - 15.2 x 15.2 x 10.2cmH (6 x 6 x 4")

B. 4.0 Liter, Midi - 33 x 25.4 x 12.7cmH (13 x 10 x 5")
Holds 1 rectangular floating tube rack (see opposite page)

C. 9.0 Liter, Maxi - 40.6 x 33 x 12.7cmH (16 x 13 x 5")
Holds up to 3 rectangular floating tube racks (see opposite page)

EACH* CATALOG NO.	PACK OF 12* CATALOG NO.	DESCRIPTION
M18848-1101	*M18848-1191*	*Blue, 1.0L Mini*
M18848-1102	*M18848-1192*	*Black, 1.0L Mini*
M18848-1103	*M18848-1193*	*Red, 1.0L Mini*
M18848-1104	*M18848-1194*	*Green, 1.0L Mini*
M18848-4101	*M18848-4191*	*Blue, 4.0L Midi*
M18848-4102	*M18848-4192*	*Black, 4.0L Midi*
M18848-4103	*M18848-4193*	*Red, 4.0L Midi*
M18848-4104	*M18848-4194*	*Green, 4.0L Midi*
M18848-9101	*M18848-9191*	*Blue, 9.0L Maxi*
M18848-9102	*M18848-9192*	*Black, 9.0L Maxi*
M18848-9103	*M18848-9193*	*Red, 9.0L Maxi*
M18848-9104	*M18848-9194*	*Green, 9.0L Maxi*

* See page 184 for information regarding special case packing for international shipments

Floating Tube Racks

Convenient to Use, Easy to Store and Transport

- Tubes go in easy, expanded polymer foam holds them secure, yet they come out easily when needed
- Racks float in water, dry ice alcohol slurries or liquid nitrogen
- Use in buckets and pans



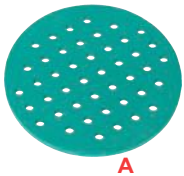
Round Floating Tube Racks

Fit N'icer and Handy Ice Buckets

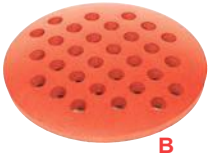
21cm diameter (8¼") • Two Hole Sizes

A. 1.5ml microcentrifuge tubes,
44 places – 1cm thick (⅜")

B. 15ml conical tubes,
30 places – 1.58cm thick (⅝")



A



B

Rectangular Floating Tube Racks

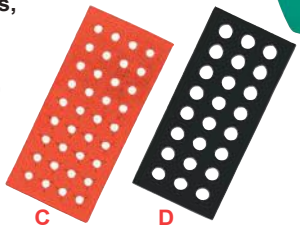
Fit Midi and Maxi Ice Pans

23.5 x 10.8cm (9¼ x 4¼") • Two Hole Sizes

C. 1.5ml microcentrifuge tubes,
36 places – 1cm thick (⅜")

D. 15ml conical tubes,
24 places – 1.58cm thick (⅝")





C D

Order by color suffix in second table for complete catalog numbers

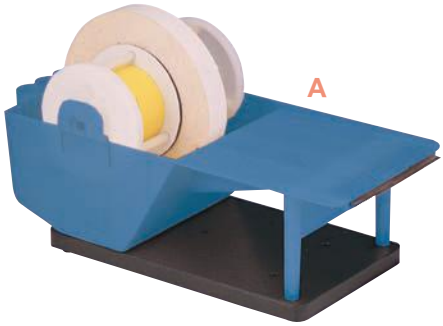
Per each, 36 per case.

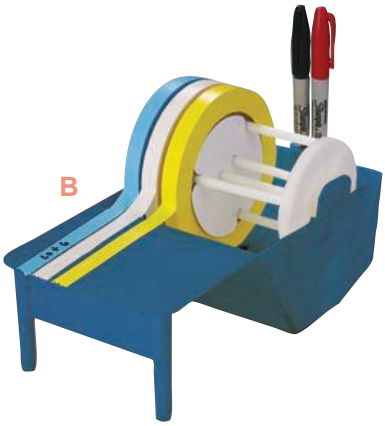
CATALOG NO	DESCRIPTION	PLACES
A. M18848 -	Round Rack for 1.5ml Tubes	44
B. M18848 -	Round Rack for 15ml Tubes	30
C. M18848 -	Rectangular Rack for 1.5ml Tubes	36
D. M18848 -	Rectangular Rack for 15ml Tubes	30

Color suffix listing

CATALOG NO	BLUE	BLACK	RED	GREEN
A. M18848 -	0011	0012	0013	0014
B. M18848 -	0021	0022	0023	0024
C. M18848 -	0111	0112		
D. M18848 -	0121	0122	0123	0124

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Write-On™ Multi-Roll Label Tape Dispensers

Mix Tape Colors and Widths to Suit Your Labeling Needs

U.S. Patent 6,974,060

Write-On™ Label Tape Dispensers provide a smooth writing surface, making labeling easy and fast. When marked tape is advanced and cut off on the serrated edge, a fresh length of label tape is positioned on the writing platform.

Various width and color tape rolls can be mixed together on the spindles, which easily accommodate 5 or more 12 - 19mm (½ - ¾") narrow rolls or 4 - 25mm (1") wide rolls. The spindles are easily removed from the unit for loading and unloading, and can be adjusted to hold either 25 or 75mm (1 or 3") core diameter rolls. Dispenser includes three plastic separating discs to assure smooth, snag free dispensing for up to four rolls of tape. Additional separating discs are available separately (see accessories). Molded-in pen holder wells on the dispenser help to keep writing instruments handy. Ideal for use with the full line of F13463 series Write-On™ Tapes, which are available in 6 colors and three widths; 12, 19, and 25mm (½, ¾ and 1").

Two models are available:

A. **Bench-Top / Desk Dispenser** has a plastic coated, weighted steel base with rubber feet to prevent slipping on the benchtop. The serrated cutting edge is steel for long term use. Includes one free roll of ½", White, Write-On™ Labeling Tape – a $9.00 value!

B. **Economy Dispenser** is designed for lighter duty use as the plastic cutting edge is molded into the housing. Includes mounting holes for secure attachment to a benchtop (screws not supplied). Can also be attached to vertical surfaces using Wall Mount adapter-F13473-0001 (opposite page). Includes one free roll of ½" White, Write-On™ Labeling Tape – a $9.00 value!

CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
F13472-0000	*A. Benchtop Model*	*30.2 x 14.3 x 12.1cm (12 x 5⅝ x 4¾")*
F13473-0000	*B. Economy Model*	*30.2 x 14.3 x 10.5cm (12 x 5⅝ x 4⅛")*

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Wall Mount Adapter for Economy Write-On™ Label Tape Dispenser



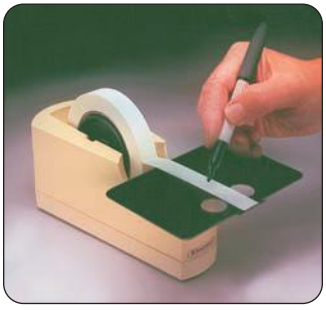
Economy Model Dispenser (F13473-0000) can be wall mounted vertically or horizontally with the platform positioned to the left or right. The U-shaped stainless steel adapter presents the dispenser at a 45º angle off the wall to facilitate writing. Wet Surface Pen (page 193) offers consistent ink flow on vertical surfaces.

CATALOG NO.	DESCRIPTION	DIMENSIONS
F13473-0001	*Wall Mount Adapter*	*11 x 13cm (4½ x 5⅛")*

Separating Discs for Write-On™ Label Tape Dispensers

Separating discs improve the function of the dispensers when loaded with more than four rolls of labeling tape. **3 per bag.**

CATALOG NO.	DESCRIPTION
F13469-0003	*Separator Discs*



Write-On™ Single Roll Label Tape Dispenser

Make Your Own Stick-On Labels

Convenient dispenser holds and releases tape cut to your specification. Writing platform accommodates both left and right handed users for labeling tape prior to dispensing. The epoxy-coated steel platform has finger holes for releasing the tape and a cut off edge for one hand use. A weighted base with non-skid pads prevents sliding or lifting. The 7.6cm (3") core fits standard tape rolls up to 25mm (1") wide and accepts tape rolls having a maximum diameter of 13.3cm (5½"). The base is 21.3 x 8.7 x 9.5cm H (8⅜ x 3⅜ x 3¾") with a 10.2 x 15.2cm (4 x 6") platform. Shipping weight 1.8kg (4lb). Accepts F13463 series tapes in both 40 yard and 60 yard rolls. Tape not included.

CATALOG NO.
H13461-0000

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Write-On™ Label Tape

Available in 6 Vivid Colors. Great for Use in Low Temperature Applications

Adheres to any clean surface, including Teflon® fluoropolymer resin coated materials, and peels off without leaving a sticky residue. Pencil, ball-point pen or solvent ink marker remain legible under the most demanding laboratory conditions. Consists of colored paper with rubber resin adhesive that resists moisture and most solvents. The tape will withstand a maximum temperature of 157ºC (315ºF) for 30 minutes or 80ºC (176ºF) for 24 hours and can be used down to -80ºC (-112ºF). Withstands a steam autoclaving cycle at 121ºC (250ºF) and gamma irradiation between 13.0 and 45.0kGy. Excellent for use with Write-On™ Multi-Roll Label Tape Dispensers. **Per each, 24 rolls per case.**

CATALOG NO.	WIDTH	CORE	LENGTH	COLOR
F13462-0005	12.7mm (½")	2.54cm (1")	13.7m (15yds)	white
F13462-0075	19.0mm (¾")	2.54cm (1")	13.7m (15yds)	white
F13462-0010	25.4mm (1")	2.54cm (1")	13.7m (15yds)	white
F13463-0005	12.7mm (½")	7.6cm (3")	36.4m (40yds)	white
F13463-0075	19.0mm (¾")	7.6cm (3")	36.4m (40yds)	white
F13463-0010	25.4mm (1")	7.6cm (3")	36.4m (40yds)	white
F13463-0105	12.7mm (½")	7.6cm (3")	54.6m (60yds)	white
F13463-0175	19.0mm (¾")	7.6cm (3")	54.6m (60yds)	white
F13463-0110	25.4mm (1")	7.6cm (3")	54.6m (60yds)	white
F13463-1005	12.7mm (½")	7.6cm (3")	36.4m (40yds)	red
F13463-1075	19.0mm (¾")	7.6cm (3")	36.4m (40yds)	red
F13463-1010	25.4mm (1")	7.6cm (3")	36.4m (40yds)	red
F13462-2005	12.7mm (½")	2.54cm (1")	13.7m (15yds)	yellow
F13462-2075	19.0mm (¾")	2.54cm (1")	13.7m (15yds)	yellow
F13462-2010	25.4mm (1")	2.54cm (1")	13.7m (15yds)	yellow
F13463-2005	12.7mm (½")	7.6cm (3")	36.4m (40yds)	yellow
F13463-2075	19.0mm (¾")	7.6cm (3")	36.4m (40yds)	yellow
F13463-2010	25.4mm (1")	7.6cm (3")	36.4m (40yds)	yellow
F13462-3005	12.7mm (½")	2.54cm (1")	13.7m (15yds)	green
F13462-3075	19.0mm (¾")	2.54cm (1")	13.7m (15yds)	green
F13462-3010	25.4mm (1")	2.54cm (1")	13.7m (15yds)	green
F13463-3005	12.7mm (½")	7.6cm (3")	36.4m (40yds)	green
F13463-3075	19.0mm (¾")	7.6cm (3")	36.4m (40yds)	green
F13463-3010	25.4mm (1")	7.6cm (3")	36.4m (40yds)	green
F13463-4005	12.7mm (½")	7.6cm (3")	36.4m (40yds)	blue
F13463-4075	19.0mm (¾")	7.6cm (3")	36.4m (40yds)	blue
F13463-4010	25.4mm (1")	7.6cm (3")	36.4m (40yds)	blue
F13463-5005	12.7mm (½")	7.6cm (3")	36.4m (40yds)	orange
F13463-5075	19.0mm (¾")	7.6cm (3")	36.4m (40yds)	orange
F13463-5010	25.4mm (1")	7.6cm (3")	36.4m (40yds)	orange

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Write-On™ Label Tape Multi-Pack

3-pack of tape in Green, Yellow and White. Each roll is 1.9cm (¾") wide and 13.7m (15 yards) long with a 2.54cm (1") inner core. Use Green for safety labels, Yellow for chemical reactivity labels and White for specific hazards/labels.



CATALOG NO.	DESCRIPTION
F13462-0300	*1 Each Green, Yellow, White ¾" W x 15 yards, 1" core*



Write-On™ Label Tape Rainbow 6-Pack

Six tape colors that correspond with familiar hazard color codes to highlight safety information written on the labels. Use Yellow for chemical reactivity, Green for safety labels, Blue indicates health hazards, Red alerts to flammability; Orange indicates a biohazard and White can describe a specific hazard. Each roll is 1.9cm (¾") wide and 36.4cm (40 yards) long with a 7.6cm (3") inner core.

CATALOG NO.	DESCRIPTION
F13463-0600	*1 Each Green, White, Yellow, Red, Orange, Blue ¾" W x 40 yards, 3" core*

Multi-Roll Tape Dispenser

Flat Writing Surface Helps Make Neater Labels

Scienceware® Write-On™ Labeling Tape or any tape with a 7.6cm (3") ID core will fit on the drum of this multi-roll dispenser, which includes disks to prevent rolls from binding against each other. Large writing surface, 10.2 x 15.2cm (4" x 6") for preparing tape labels, has a built in serrated cutting edge. **Per each.**

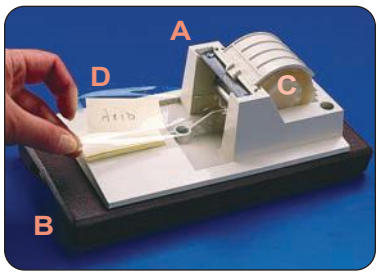


CATALOG NO.	DIMENSIONS (L x W x H)
H13468-0000	*26 x 15 x 11cm (10¼ x 6 x 4⅜")*

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Protective Labeling System

This unique system utilizes a tape dispenser, labels and clear plastic tape to fully cover and protect your labels



A. Tape Dispenser

Durable tape dispenser is molded of strong ABS plastic with a steel serrated cutting blade. The tape roll is held in place by a spring-loaded cover and features an aluminum roller.

CATALOG NO.	DIMENSIONS (L x W x H)
F13450-0000	20.6 x 11.7 x 6.0cm (8⅛ x 4⅝ x 2⅜")

B. Weight Attachment Kit

Keeps Tape Dispenser Firmly in Place

Epoxy-coated, weighted steel base reduces slippage on the benchtop when tape is dispensed. Attaches easily to the F13450-0000 (A) tape dispenser with provided screws. Four non-slip rubber feet. Weight: 2.7 kg (6 lbs)

CATALOG NO.	DIMENSIONS (L x W x H)
H13451-0000	12.7 x 21.6 x 1.3cm (5 x 8½ x ½")

C. Clear Protective Lab Labeling Tapes

Holds Up When Other Tapes Give Out

Freeze it, autoclave it, even spill acids, alkalis and organic solvents on it. This clear, polyester tape's resistance to chemicals and moisture provides great versatility for heavy-duty lab use. Test results prove that it remains securely affixed with no discoloration after being autoclaved for 40 minutes at 125˚C (258˚F), as well as after one week in liquid nitrogen at -196ºC (-321ºF). All tape sizes 1mil (0.001") thick with 1mil (0.001") of acrylic adhesive. Rolls are 32.9 meters (36 yards) long. Core diameter: 25mm (1").

A

CATALOG NO.	DESCRIPTION	CASE
F13453-0010	25mm (1") wide x 32.9m (36yds)	36 Each
F13453-0015	38mm (1½") wide x 32.9m (36yds)	24 Each
F13453-0020	51mm (2") wide x 32.9m (36yds)	24 Each

D. White Labels



Identify Your Samples

White paper labels accept any kind of marker. Use them under 13453 Clear Protective Lab Labeling Tapes to label your labware, bottles or samples. **100 labels per pad, 10 pads per box, 12 boxes per case.**

CATALOG NO.	DESCRIPTION
F13455-0005	12.5 x 38mm (½ x 1½")
F13455-0010	25 x 76mm (1 x 3")
F13455-0015	38 x 76mm (1½ x 3")

SHOP www.belart.com

Radiation Dots



Radioactive Indicator Stickers

Stick-on dots adhere to plastics and glass to identify ″hot″ labware. Each dot is 6.35mm (¼") in diameter with the radiation symbol on a yellow background. Color coding complies with OSHA regulations. **Tape roll of 1000 dots, 12 rolls per case.**

CATALOG NO.
F13359-0000



Label-Off™ Label Remover - Cleanware™

Say Goodbye to Tape and Sticker Residues

Quickly removes labels including the gummy residue other cleaners leave behind. The kit contains 59ml (2 oz.) of label adhesive solvent in a pump spray with cap, and 20 lint-free, 10.2cm (4") square wipes. *No Air Shipment*.

CATALOG NO.
F17077-0000

Wet Surface Pen



Writes on Wet Surfaces, under Water and at any Angle

Versatile 'space pen' writes clearly on wet, greasy and other hard to mark surfaces. Use it under water, upside down and in the harshest of temperatures. Excellent for marking slots on Southern, Northern and Western blots or for marking alignment dots on blotting filters placed over agar plates containing bacterial colonies or phage plaques. Mark lanes on wet blots prior to cutting the filter into strips to be incubated separately with different antisera or probes. Can also be used to correct or write on wet labels that were kept in a water bath, in liquid nitrogen or in a freezer at -20ºC (-4ºF). Extremely useful for marking filters during processing underwater-based buffers. Handy and reliable for writing on vertical surfaces including the Economy Write-on™ Label Tape Dispenser Wall Mount Adapter (13473-0001) page 189. Writes on dry paper as a standard ballpoint pen.

CATALOG NO.	DESCRIPTION
F13382-0000	*Black Ink*

SHOP www.belart.com



Captor™ Pen Holder

Cap and Uncap Pens with One Hand

U.S. Patent 6,871,767

Avoid fumbling and possible contamination of samples by keeping a marking pen handy and easy to uncap with only one hand. Ideal for use near an autoclave, incubator, centrifuge, storeroom, freezer or anywhere on the lab bench. Can be attached to any flat surface, such as lab equipment, a wall, a fume hood or even the benchtop with its adhesive backed, press-fit Dual Lock™ reclosable fastener. Works with Sharpie® markers or other similar pens that have a cap with a pocket clip to attach to the penholder well. **3 per bag.**





CATALOG NO.	DIMENSIONS (L x W x H)
F13373-0000	*2.5 x 2.5 x 5.1cm (1 x 1 x 2")*

Belpen™ Markers

Quick Drying Waterproof Ink

Felt tip marking pens are perfect for labeling all types of glassware and plastics. Permanent, quick drying ink remains waterproof and smudge proof and, when dry, will withstand autoclaving. Pen with handy pocket clip is 13.3cm (5¼") long. **3 per pack.**



CATALOG NO.	COLOR
F13374-0000	*Black*
F13374-0002	*Blue*

SHOP www.belart.com

The Glascribe® Pen

For Marking Laboratory Glassware

The Glascribe® Pen, with retractable tungsten carbide tip, (Mohs Hardness = 9) easily inscribes on glass, ceramics, and plastic. The pen has a pocket clip, so it is always handy when needed. **Per each, 12 per case.**



CATALOG NO.
H44150-0000



Dykem® Pens

All-Surface Markers

Writes on all plastics, glass, metal, wood, paper and cloth, including Teflon® fluoropolymer resins. A precision seal valve provides smooth ink flow and preserves the pen's life, even if left uncapped. When dry, the solvent based ink is temperature resistant from 0°C to 155°C (32°F to 310°F). Markings are insoluble in water or hydrocarbons. Resists many solvents, but is easily removed with alcohol or acetone. **12 per box.**

CATALOG NO.	COLOR
F13377-0000	*Assorted (4 Black, 2 Red, 2 Green, 2 Blue, 2 Orange)*
F13377-0001	*12 Black*

Tech Pens

Write on Most Surfaces

Heavy-duty soft tip disposable pen comes in 7 colors and writes on glass, metal, ceramics, plastics, paper, etc. The oil-based marking paint resists washing, weathering, mild acids and alkalis, and it operates within the temperature range of -46° to 65°C (-50° to 150°F). Withstands autoclaving at 121°C (250°F). Mark is approximately 1 mm (0.040") wide. **Per each, 12 per case.**



CATALOG NO.	COLOR
F13384-0006	*Green*
F13384-0001	*Black*
F13384-0003	*White*
F13384-0007	*Orange*
F13384-0005	*Blue*
F13384-0004	*Yellow*
F13384-0002	*Red*



Mouse Restrainer with Dorsal Access
Subcutaneous Injections Made Safe, Accurate & Easy, Page 228



DNA Band Excisor
Quickly and Accurately Excise Selected DNA Bands, Page 209

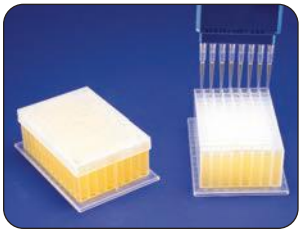


100mm Petri Dish Rack
Compact, Stackable Storage that Travels, Page 221



Lab Drawer Compartment Trays
Fit Standard Lab Bench Drawers, Page 234

SHOP www.belart.com



96 Deep-Well Plate

Expanded Capability for Multi-Channel Pipetting

Offers the working volume of a culture tube and the convenience of a 96 well plate format. Can be used for a variety of processes and operations such as sequencing, precipitations and dilutions, and is compatible with deep-freezing work or sample storage. Ideal for manual 8 and 12 multi-channel pipetting procedures and compatible with robotic sampling processors and automated liquid handling systems. Some of the compatible robotic workstations include Zymark, Tecan, Hamilton Rasys and Beckman. The plates are molded of autoclavable polypropylene, and each 2ml well has a round bottom for easy sample retrieval. Wells are alphanumerically identified. An optional, specially designed polypropylene cover separates each well with a sealing ring to reduce evaporation and permits safe and stable stacking of plates. Covers are keyed to fit only one way. Individually packaged and available sterile or non-sterile. Steam autoclavable at 121°C (250°F) Dimensions: 12.8 x 8.5 x 4.1cmH (5 x 3⅜ x 1⅝"). Side loader collars are required for side loading Beckman Biomek Systems. **24 per pack.**

PP A

CATALOG NO.	DESCRIPTION	QUANTITY
F37860-0000	Non-sterile, 96-well footprint, individually packed	24
F37860-0001	Sterile, 96-well footprint, individually packed	24
F37860-0004	Covers	24
F37860-0005	Side Loader Collars	24

CUBE 2UBE™ Rack and Tubes

Sample Storage and Dilutions Made Easier



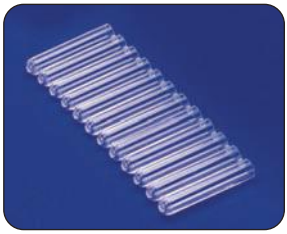
Offers the advantages and convenience of pipetting 2.2ml per tube in a 8 x 12 grid, 96-well format. The patented CUBE 2UBE™ Tubes fit most automated liquid handling systems and can be centrifuged up to 14,000 RPM. Made of polypropylene, they can be frozen to -20°C and are compatible with Beckman BioMek 1000, Tecan, Hamilton and other robotic workstations. Each tube has a capacity of 2.2ml or 211ml per rack of 96 tubes.

PP PE

CATALOG NO.	DESCRIPTION	QUANTITY
A. F37851-1000	Polypropylene Tubes	1000
B. F37853-0001	Cap Strip, Polyethylene: 80, 12-cap strips	960
C. F37856-0000	Rigid Rack with Cover, Polypropylene	10

SHOP www.belart.com

Mini-Tubes



1ml volume Mini-Tubes offer a convenient and economical means of performing laboratory procedures using multi-channel pipettors of four, eight or twelve channels. The Mini-Tubes are made of virgin, medical grade polypropylene resins and feature an attachment bridge between tubes, forming a Mini-Tube strip which can be easily separated into single tubes by cutting apart. May be autoclaved at 121ºC (250ºF) or frozen to -20ºC. Tubes measure 3.9cm (1.53") in length with a 6.2mm (¼") O.D. **4,800 per pack.**

PP

CATALOG NO.	DESCRIPTION
F37857-0000	*Mini-Tubes, 400 12-tube strips*



Adjustable Microplate Tilting Stand

Minimize Pipetting Errors

Make precise additions of liquid components to microplate wells by adjusting plates to the most convenient angle. Helps reduce errors in non-manifold additions of assay components to a multiwell microplate, including expensive, hazardous or radioactive materials. The angular presentation of the plate and clear acrylic platform beneath allows you to easily judge which wells have received liquid addition by comparing the menisci between neighboring wells. An epoxy coated steel base provides stability, and the hand adjustable clamping screws maintain the desired angle. Holds all sizes of microplates. Max tilt 45º. Pivots on 2 screws.

STEEL ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
F18938-0000	*11.4 x 16.5 x 5.7cm (4½ x 6½ x 2¼")*

Tissue Culture Flask Racks



Prevents Tipping Flasks

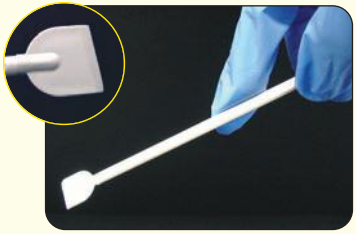
These polypropylene racks hold 25cc, 75cc (50 - 75 ml or 250 - 260 ml) or similar sized tissue culture flasks in a vertical position. Rectangular holes in the top and center plates stabilize the flasks preventing tipping. Flasks can be easily organized to improve processing and to avoid errors in collecting used media, media change, washing of cell monolayer, trypsinization and seeding of cells. Grips on each end make rack handling easy and allow for safe transport of flasks to the incubator. Steam autoclavable at 121ºC (250ºF). **Per each, 4 per case.**

PP A

CATALOG NO.	FITS FLASK	# OF FLASKS	DIMENSIONS (L x W x H)
F18970-0001	*25cc* *75ml*	*12*	*23 x 13.7 x 10.7cm* *(9.1 x 5.4 x 4.2")*
F18970-0002	*75cc* *260ml*	*5*	*29.7 x 12.5 x 13.2cm* *(11.7 x 4.9 x 5")*

SHOP www.belart.com

NEW PRODUCT!

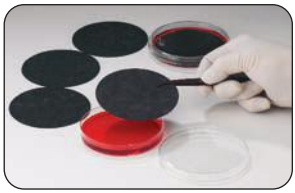


Cell Lifter

Use this economical and reusable Cell Lifter to scrape cell lysates as well as to remove and harvest tissue cultures from all types of dishes. The narrow blade is ideal for use in 35 and 60mm Petri dishes and 6 and 12 well cell culture clusters. The angled and chiseled blade with smooth handle is molded from polypropylene for good chemical resistance, easy cleaning and autoclaving at 121ºC (250ºF). **Per each, 10 per pack.**

CATALOG NO.	DIMENSIONS (L x W)
F37756-0010	*21.0 x 1.6cm (8¼ x ⅝")*

Charcoal Disks



Efficiently Capture Volatile S-35 Radioactive Component during Labeling

Activated charcoal impregnated into each Disposable Charcoal Disk absorbs most of the volatile *S-35* radioactive component, before it can escape from the Petri dish during metabolic labeling. The sterilized disk is placed inside the lid of the 100mm Petri dish used for labeling. After use, disks are disposed of in regular beta waste containers. Dynamic Duo! Combine the Charcoal Disks with Charcoal Cartridges, F24989, which are placed on the incubator shelves to trap the volatile *S-35* radioactive component that may have escaped from Petri dishes equipped with Charcoal Disks. **50 per pack.**

CATALOG NO.
F13557-0000



Disposable Charcoal Cartridge

Safely Absorb the Volatile S-35 Radioactive Component during Labeling

These disposable, activated charcoal cartridges efficiently absorb the *S-35* radioactive component released from *S-35* labeled amino acids. Capturing the released volatile radioactivity lessens the chance of breathing the volatile component and reduces contamination of the incubator and the water in the humidity pan. Place cartridges on the incubator shelf and, after use, dispose in regular beta waste containers. Cartridges are sealed with a highly porous durable membrane. For increased safety, combine with Sterile Activated Charcoal Disks F13557 (which fit directly inside the lid of a 100mm Petri dish) to trap the *S-35* volatile radioactive component within the Petri dish. **3 per pack.**

CATALOG NO.
F24989-0000

NEW PRODUCT!

Vacuum Aspirator Bottles



For effortless, continuous vacuum aspiration of a variety of liquids, including tissue culture media, supernatants, and chemical wastes. The heavy-wall polypropylene collection bottle is chemical and corrosion resistant, while the included trap protects the vacuum source from overflow. Collection bottle and trap are neatly organized and contained in a compact epoxy-coated steel frame that will not crowd the workspace. The screw cap on the collection bottle contains a safety release vent, which prevents vacuum implosion, while UV inhibitors molded into the collection bottle allow it to be safely exposed to UV sterilization cycles. Connect a disposable pipette tip, Pasteur pipette or other suitable tip to the flexible collection tubing (¼" ID X ⅜" OD), then connect the vacuum line to vacuum source and the aspirator is ready for continuous vacuum aspiration from Petri dishes, microtiter plates, flasks, centrifuge tubes, and more.

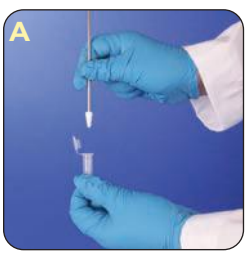
PP PVC

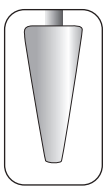
CATALOG NO.	DESCRIPTION
F19917-0001	Vacuum Aspirator Bottle, 0.5 gal (1.9 liter)
F19917-0002	Vacuum Aspirator Bottle, 1.0 gal (3.8 liter)

Teflon® Pestles for Microcentrifuge Tubes

Choose Flat or Round Tip for Best Tube Fit

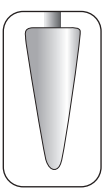
Ideal for resuspending lyophilized products or precipitates, and for homogenizing samples in a microcentrifuge tube. The Teflon® pestle is mounted on a stainless steel shaft, 3.2mm (⅛") in diameter that may be hand-held or mounted in a motorized chuck. Available in flat or rounded tip. Overall length 14.3cm (5⅝").





A. Flat Tip
F19922-0000
F19922-0004





B. Rounded Tip
F19922-0001
F19922-0005

Illustrations are actual size.
Use to determine the best pestle shape for your needs.

TEFLON® STAINLESS STEEL

CATALOG NO.	DESCRIPTION
A. F19922-0000	Pestle for 1.5ml microcentrifuge tube, flat tip cone
B. F19922-0001	Pestle for 1.5ml microcentrifuge tube, rounded tip cone

See next page for Double-ended Pestles

SHOP www.belart.com



Double-Ended Teflon® Pestles for Microcentrifuge Tubes

One end fits a 1.5ml microcentrifuge tube, and the other end fits a 0.5ml tube. Available in flat or rounded tip. Stainless steel shaft with an overall length of 15.2cm (6").

CATALOG NO.	DESCRIPTION
A. F19922-0004	1.5ml/0.5ml flat tips
B. F19922-0005	1.5ml/0.5ml rounded tips





Disposable Polypropylene Pestles and 1.5ml Tubes

Matched Shape for a Perfect Fit

These disposable pestles are 8.5cm (3½") long and are supplied with 1.5ml microcentrifuge tubes of the same shape. Excellent for resuspending bacterial cells, precipitates of nucleic acids or proteins and pellets of other materials. **100 per bag, 10 bags per case.**

CATALOG NO.	DESCRIPTION
F19923-0000	100 Pestles and 100 1.5ml tubes
F19923-0001	100 Pestles Only

Extended Handle Pestle

Autoclavable

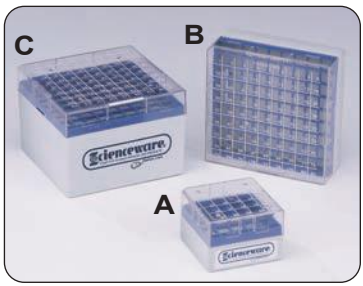
Polypropylene tissue grinder efficiently homogenizes tissue and cells in microcentrifuge tubes, centrifuge and grinding tubes. The cone tip tapers from 8.2mm (0.33") down to 2.9mm (0.12") in a length of 19.8mm (0.78") and has a rounded end. 21cm (8¼") long overall with a 4.7mm (3/16") diameter shaft. Steam autoclavable at 121°C (250°F). **6 per pack, 6 packs per case.**



CATALOG NO.	DESCRIPTION
F19921-0001	Conical Grinder, 1.5ml capacity

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Cryo-Safe™ Vial Storage Boxes



Clear Covers to See Contents without Opening Lid

Durable polycarbonate boxes are ideal for compact storage of 1.2, 2.0 or 5.0ml cryogenic vials. They can be used in temperatures ranging from -196°C to +121°C. Clear lids can be written on and have a printed grid for easy inventory. A keyed corner aligns the lid with identifying numbers on the rack. Also useful as mailers for vials. F18849-0001 can be used with F18853 series Cryo Tower Storage Systems (below) to save valuable bench space. **Per pack, 6 packs per case.**

CATALOG NO.	FOR VIALS	PLACES	DIMENSIONS (L x W x H)	PATTERN	PACK
A. F18849-0000	1.2 - 2.0ml	25	7.6 x 7.6 x 5.1cm (3 x 3 x 2")	5 x 5	8
B. F18849-0001	1.2 - 2.0ml	81	13.3 x 13.3 x 5.1cm (5¼ x 5¼ x 2")	9 x 9	4
C. F18849-0002	5.0ml	81	13.3 x 13.3 x 9.5cm (5¼ x 5¼ x 3¾")	9 x 9	4



Cryo Tower Storage Systems

Save Space, Keep Convenience with Vertical Stacking Towers

These polycarbonate storage towers are ideal for benchtop or incubator use, transportation, freezer and general purpose storage. A 15 x 15cm (6 x 6") footprint saves valuable bench space. Available in 4 and 8 level configurations, both towers accommodate Cryo-Safe™ Vial Storage Box F18849-0001 (sold separately above). Autoclavable at 121°C (250°F).

CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
F18853-0004	4 Level	15 x 15 x 30cm (6 x 6 x 11⅞")
F18853-0008	8 Level	15 x 15 x 59cm (6 x 6 x 23¼")

SHOP www.belart.com

"Hold the Cold" Cryo-Safe™ Coolers



"Hold the Cold" without a Mess! Use in transit and on the bench, cooler walls are filled with a non-toxic gel that does not come in contact with contents of cooler.



-20°C Cryo-Safe™ Mini Cooler

Lasts 1 Hour - 0.5, 1.5 or 2.0ml Tubes

This small cooler safely holds twelve 0.5, 1.5 or 2.0ml microcentrifuge tubes or cryogenic vials at a temperature below -15°C for approximately 1 hour. The polycarbonate cooler body is filled with a non-toxic gel which cannot contact tubes, ensuring that markings and labels on tubes are safe. A clear polycarbonate lid shows positions of tubes and is keyed to correspond with positions printed on the cooler. Molded side handles allow secure grip for transfer. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Ideal for protecting valuable samples stored in a freezer with defrost cycle. Use included insert to hold 0.5ml microcentrifuge tubes. Store at -20°C for 24 hours prior to use.

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-0020	*0.5, 1.5 or 2.0ml*	*12*	*15.1 x 10.8 x 12.5cm (5 15/16 x 4¼ x 1 15/16")*	*0.7Kg (1.5lb)*



0°C Cryo-Safe™ Mini Cooler

Lasts 2½ Hours - 0.5 or 1.5ml Tubes

Benchtop sized cooler holds twelve 0.5 or 1.5ml microcentrifuge tubes at a temperature below 0°C for approximately 2½ hours. The polycarbonate cooler body is filled with a non-toxic gel which cannot contact tubes, ensuring that markings and labels on tubes are safe. A clear polycarbonate lid shows positions of tubes and is keyed to correspond with positions printed on cooler. Molded side handles allow secure grip for transfer. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Use included insert to hold 0.5ml microcentrifuge tubes. Ideal for protecting valuable samples stored in a freezer with defrost cycle.
Store at -20°C for a few hours until the temperature of the cooler falls below 0°C.

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L X W x H)	WEIGHT
F18846-0000	*0.5, 1.5ml*	*12*	*15.1 x 10.8 x 12.5cm (5 15/16 x 4¼ x 1 15/16")*	*0.7Kg (1.5lb)*

SHOP www.belart.com

0ºC Cryo-Safe™ Junior Cooler



Lasts 3 Hours - 15ml Tubes

Benchtop sized cooler holds twelve 15ml centrifuge or cryo vials at a temperature below 0ºC for approximately 3 hours. The polycarbonate cooler body is filled with a non-toxic gel which cannot contact tubes, ensuring that markings and labels on tubes are safe. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Tubes up to 125mm tall can be accommodated when the clear polycarbonate lid is secured closed with the built-in wire carrying handle. Corresponding tube positions are printed on the keyed lid and cooler. Store at -20ºC for a few hours until the temperature of the cooler falls below 0ºC.

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-1000	*15ml*	*12*	*19.7 x 14 x 19cm (7¾ x 5½ x 7½")*	*1.6Kg (3.5lb)*

-20ºC Cryo-Safe™ Maxi Cooler



Lasts 1½ Hours - 0.5, 1.5 or 2.0ml Tubes

This cooler safely holds thirty-two 0.5, 1.5 or 2.0ml microcentrifuge tubes or cryogenic vials at a temperature below -15ºC for approximately 1½ hours. The polycarbonate cooler body is filled with a non-toxic gel, which can not contact tubes, ensuring that markings and labels on tubes are safe. The gel-filled polycarbonate lid extends temperature holding time and is secured closed with a built-in wire carrying handle. Corresponding tube positions are printed on the keyed lid and near each well. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Use included insert to hold 0.5ml microcentrifuge tubes. Ideal for protecting valuable samples stored in a freezer with defrost cycle. Store at -20ºC for 24 hours prior to use.

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-2020	*0.5, 1.5 or 2.0ml*	*32*	*24.3 x 15.7 x 14.6cm (9½ x 6⅛ x 5¾")*	*2Kg (4.5lb)*

0ºC Cryo-Safe™ Maxi Cooler



Lasts 3 Hours - 0.5 or 1.5ml Tubes

Benchtop sized cooler holds thirty-two 0.5 or 1.5ml microcentrifuge tubes at a temperature below 0ºC for approximately 3 hours. The polycarbonate cooler body is filled with a non-toxic gel, which cannot contact tubes, ensuring that markings and labels on tubes are safe. The gel-filled white polycarbonate lid extends temperature holding time and is secured closed with the built-in wire carrying handle. Corresponding tube positions are printed on the keyed lid and near each well. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Use included insert to hold 0.5ml microcentrifuge tubes. Ideal for protecting valuable samples stored in a freezer with defrost cycle.
Store at -20ºC for a few hours until the temperature of the cooler falls below 0ºC.

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-2000	*0.5 or 1.5ml*	*32*	*24.3 x 15.7 x 14.6cm (9½ x 6⅛ x 5¾")*	*2Kg (4.5lb)*

SHOP www.belart.com



Cryo-Safe™ Mini Quick-Freeze Cooler

Portable, Quick Freezing for 0.5 or 1.5ml Tubes

Can be used for up to 45 minutes to rapidly and repeatedly chill biological samples for use in molecular biology. Applications such as ethanol precipitation of DNA/RNA samples are made easy, eliminating the inconvenience of traditional dry ice and alcohol baths. After storing the polycarbonate cooler overnight at -20ºC, inserted samples freeze within a few minutes. Holds twelve 0.5 or 1.5ml micro-centrifuge tubes. There is no direct contact between the tubes and the insulating solution, so labels and markings are safe. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. A clear polycarbonate lid shows positions of tubes and is keyed to correspond with positions printed on cooler. Molded side handles allow secure grip for transfer. Use included insert to hold 0.5ml microcentrifuge tubes. Store at -20ºC for 24 hours prior to use.

PC

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-0010	*0.5 or 1.5ml*	*12*	*15.1 x 10.8 x 12.5cm (5 15/16 x 4 1/4 x 1 15/16")*	*0.7Kg (1.5lb)*

Cryo-Safe™ -1ºC Freeze Controller



The easy-to-use unit provides "controlled rate" freezing samples at approximately -1°C per minute, which is needed to prevent lethal intracellular freezing and successful cryopreservation. Prior to inserting vials, the unit should be filled with 250ml of 100% isopropyl alcohol. Once the samples have been inserted the unit should be placed in a -80°C mechanical freezer. The body of the container is clear polycarbonate, and the screw closure is high-density polyethylene. Placed inside the container is an 18 well, removable polyethylene vial holder that separates the vials from the isopropyl alcohol. A plastic foam insert surrounds the vial holder. Alcohol filled containers can be stored at room temperature. Universal symbols printed on the container show instructions for use.

PC PE HDPE

CATALOG NO.	HOLDS VIALS	PLACES	CONTAINER I.D.	CLOSURE O.D.
F18844-0000	*1.0 or 1.8ml*	*18*	*11.2 Dia. x 7.2cmH (4.4 x 2.8")*	*12.4cm (4.9")*



Cryo-Safe™ Cold Box

Prevents Expensive Enzymes and Critical Samples from Warming

Molded polystyrene container, with cover, has an internal 12-place support for 1.5 ml microcentrifuge tubes. The space surrounding the tubes is filled with a sealed-in material that maintains the low temperature required for safe storage and transport. When taken out of a -20ºC freezer it will maintain a -15ºC temperature for 1½ hours, and will remain below 0ºC for 4 hours. **Per each, 8 per case.**

PS

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)
F18847-0002	*1.5ml*	*12*	*11.7 x 11.7 x 7.1cm (4.6 x 4.6 x 2.8")*

SHOP www.belart.com

Dialysis Cells...

are used in separation of proteins or other large molecules from solutions, pre-electrophoresis procedures, deionization of protein solutions, protein binding studies, drugs, dyes and metals. Used in quantitative removal of electrolytes from biological fluids, adjustment of coposition and concentration of electrolytes in protein solutions, and changing ion environments of synthetic or natural polymers.

Equilibrium Type Dialysis Cells



Made from clear acrylic, these dialysis cells have stainless steel screws that tighten down on the dialysis membrane also acting as a gasket. Filler hole screws on each half cavity are Teflon® TFE coated stainless steel. Volume shown is for one half cell (double for total cell volume). A red dot on one half of the equilibrium cell easily identifies the otherwise identical halves.

ACRYLIC

CATALOG NO.	CELL VOLUME (ONE HALF CELL)
H40260-0000	*1ml*
H40261-0000	*5ml*
H40262-0000	*10ml*



In-Line Equilibrium Cell

Five In-Line Cavities

Each half cavity has a top opening for introduction or withdrawal of solutions and holds 1ml in each half cell. Clear acrylic construction with 7 stainless steel screws and wing nuts for clamping cells and dialysis membrane. The cavity plug screws are Teflon® TFE coated stainless steel.

ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
H40317-0000	*15.2 x 2.5 x 7.6cm (6 x 1 x 3")*

Custom Designed Dialysis Cells Are Available on Request

SHOP www.belart.com



Dialysis Membranes

Transparent, High Permeability

Regenerated cellulose sheet for use with all dialysis cells. Will retain materials having a molecular weight of 6000 and higher. Contains about 10% moisture including glycerin, water and 0.1% sulfur compounds. Can be steam sterilized but must be kept in water after washing or autoclaving in water to prevent drying. Sheet size 10.2 x 15.2 cm (4 x 6"). **100 sheets per plastic box.**

CATALOG NO.
H40299-0000

Dialysis Bag Holder Clips



Strong Support

Suspend dialysis bags in large beakers or pitchers up to 0.63cm (¼") thick with these strong clips. Bags slide easily into the slot and then the holder can be clipped onto the container's edge. Smooth polypropylene surface may be marked with identifying sequence numbers. Autoclavable. **6 per pack, 6 packs per case.**

PP A

CATALOG NO.
F18237-0000



Fillpour™ Dialysis Tube Funnels

Easy Handling of Dialysis Tubes

Reduces difficulties in handling narrow dialysis bags. Dialysis tubing is cut to length and knotted at the end. The other end is slipped onto the tube and held with Silicone Rubber Loops (F20308-0000 - page 13), or a rubber band. Three tube steps fit various sizes of dialysis tubing, and a three notched universal hanger supports the funnel on the edge of any vessel. Also features a captive cap with writing area. Steam autoclavable at 121°C (250°F). **10 per pack.**

PP A

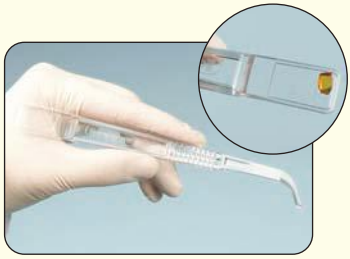
CATALOG NO.	DESCRIPTION
F14848-0000	*Small size with 5, 9 and 13.5mm diameter steps*
F14848-0001	*Large size with 13.5, 19 and 28mm diameter steps*

DNA Band Excisor

NEW PRODUCT!

Safely Excise DNA Bands; Protect Your Hands and Transilluminator

U.S. Patent D535,749



Quickly and precisely excise selected DNA bands, as well as purified plasmid DNA preps, from electrophoresis gels without scratching expensive transilluminator screens. Unlike scalpels or razor blades, the DNA Band Excisor will not cause finger cuts, making them ideal for effective use in laboratories and in educational settings. The DNA Band Excisor speeds up processing time and reduces exposure of nucleic acids and user's hands to damaging UV light. The thin, blade-like end is perfect for excising bands from agarose or polyacrylamide gels with precision, while the spatula end is beveled to help scoop and transport the excised piece of gel to a test tube. DNA Band Excisor can be discarded in standard trash receptacles; no need for sharps containers. **10 per pack.**

CATALOG NO.	DIMENSIONS (L x W)
F36970-0010	*15.4 x 1.8cm (6 1/16 x 11/16")*

Poxygrid® Hybridization Bottle Rack

Protects and Stores Hybridizing Bottles



Heavy-duty rack protects your expensive bottles keeping them from rolling, tipping and striking against one another. Holds 150mm and 300mm long bottles with ample space in between to allow for the screw cap diameter and provide convenient handling. Made of welded steel rods, this rack is epoxy-coated for maximum protection, easy cleaning, and is steam autoclavable at 121°C (250°F). Rack is 13cm (5⅛") high, with six, 42mm (1 21/32") square holes for 40mm diameter bottles.

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F16964-0006	*6*	*13.7 x 19.8 x 13cm (5⅜ x 7 13/16 x 5⅛")*

SHOP www.belart.com

NEW PRODUCT!



Antibody Saver Tray

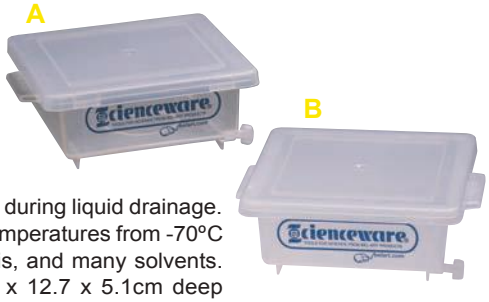
Minimize the use of expensive antibodies when incubating filters in the Western Blot process by using an optimally sized tray. Trays (B and C) are available for popular midi and mini gels. Tray A is a single lane tray in a set of five linked together for easier handling but can be separated. All trays are molded of polypropylene and include an attached lid to protect against spillage. Trays are stackable, reclosable and reusable. **Pack of 5.**

PP A

CATALOG NO.	DIMENSIONS
A. F45100-0000	1.6 x 11.5cm (⅝ x 4½") Per Lane
B. F45100-0001	9.0 x 9.0cm (3½ x 3½")
C. F45100-0002	16.5 x 16.5cm (6½ x 6½")

Gel Staining Boxes

Includes Snap-on Lid



Electrophoresis gels and membranes can be easily stained, destained, fixed and handled in these boxes. A drain (with LDPE plug) located flush with the bottom of the box minimizes disturbance of the gel during liquid drainage. The boxes and covers are unaffected by temperatures from -70ºC to +70ºC and are resistant to acids, alkalis, and many solvents. Inside dimensions of each box are 12.7 x 12.7 x 5.1cm deep (5 x 5 x 2") offering liquid capacity up to 750 ml. Select either clear PMP box for easier viewing or the economical polypropylene box. **Per each, 2 per case.**

PMP LDPE PP

CATALOG NO.	DESCRIPTION
A. F13551-1000	Clear Polymethylpentene (PMP) Box, Polypropylene Cover
B. F13551-1001	Translucent Polypropylene Box, Polypropylene Cover

SHOP www.belart.com

Electrophoresis Fixing Trays



These fixing trays allow the user to drain the fixing solution and then place filter paper on top of the gel while it rests in the tray. Solution is then recoverable for reuse. Also useful in electrophoresis destaining of large gels, these virtually unbreakable, heavy polyethylene trays are 6.4mm (¼") thick with a top stiffening flange and 5 ribs in the bottom to raise the gel and plates. Extraction of the plates is facilitated by 9.5mm (⅜") square ridges running lengthwise that hold the plate off the tray. There is a drain stopcock in the side with 1.8 meters (6') of Vikem® vinyl tubing, 13mm (½") I.D. This permits more complete drainage of fluid into a receptacle and provides a slower, more controlled drain rate to avoid disturbing the gel. Hooks on the rim of the tray hold the tubing.

LDPE

CATALOG NO.	DESCRIPTION
F13554-0000	*Small Tray, inside 41 x 51 x 7.6cm deep (16 x 20 x 3")*
F13554-0001	*Large Tray, inside 55 x 65 x 10.2cm deep (21½ x 25½ x 4")*

Trays Can Be Custom Manufactured to Your Specifications



Electrophoresis Gel Plate Rack

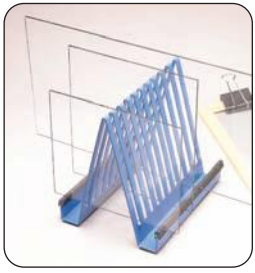
Separate Glass Plates to Reduce Chipping and Cracking

Includes 10 places for holding glass plates with a weighted base for safety. Wide handles provide a secure grip while transporting the filled rack. Smooth polypropylene material cushions glass edges to reduce chipping and cracking. A flat area on each end is designed for labeling racks as 'used', 'unused', 'treated' or 'untreated'. Made of white polypropylene with steel fittings, the rack is 20.3 x 38.1 x 22.9cm (8 x 15 x 9") and weighs 3¾ lbs (1.7kg).

PP

CATALOG NO.
F13596-0000

Electrophoresis Gel Plate Drying Rack



Unmatched Versatility for Drying and Storage

This sturdy, A-frame shaped rack holds glass electrophoresis plates upright for quick drying and convenient access. Rack has ten positions including three slots for large and double plates. All slots have soft plastic supports on each side to cushion plates. Rubber pads on the rack base prevent sliding. Made of steel construction with baked-on epoxy coating, this space saver is 20 x 16 x 18cm (7¾ x 6¼ x 7⅛"). Minimum width of plates supported is 16.5cm (6½").

STEEL

CATALOG NO.
F13595-0000

SHOP www.belart.com



Autoradiography Pens with Handy Clip

Clip One to Your Pocket for Quick, Accurate Film Marking

A. Normal Energy Level, Non-Radioactive Marker

Excellent for marking various substrates that are to be radiographed with run numbers, dates and exposure times, film alignment markings, etc. They incorporate a non-toxic phosphorescent material that will not leak or dry out, have no bladders or vials and no liquid to spill. Bright green markings are visible under normal conditions and do not glow in the dark, but will show up on X-ray film. The spectral peak is 5600 Angstroms. The non-radioactive energy emitted may be adjusted by exposure to normal incandescent or fluorescent white light. The 3 to 4 minute energy emission leaves a distinct impression but will not overexpose film as some products do. The pen is 11.4cm (4½") long with a pocket clip. A screw knob advances the writing tip, which retracts by reversing the screw knob and depressing the tip. **Per each, 6 per case. Not appropriate for phosphor screens.**

B. High Energy Level, Non-Radioactive Marker

High Energy Level Pen has higher signal emission strength than the F13350 marker and a slightly longer duration of signal emission time. Best used for marking X-ray films similar to Kodak XLS. It also works well when film responsiveness is lowered as with chilled films which often require intensifier screen techniques. The mark emits no Beta or other isotope emission, only visible light. Therefore, the use of an intensifier screen will not occur as a variable in the X-ray marking procedure. **Per each, 6 per case. Not appropriate for phosphor screens.**

CATALOG NO.	DESCRIPTION
A. F13350-0000	Normal Energy Level
B. F13351-0000	High Energy Level

Fluorescent Ruler



Scale in Inches and Centimeters
Glows Under UV Light

This Metric/English scale is printed on plastic with a pink phosphorescent ink. Useful for all fluorescent viewing and fluorescent photographic work, the scale will glow visibly when illuminated with ultraviolet light and serves as a measure of nucleic acid mobility in gels. The scale is 0 to 15cm with millimeter increments on one edge and 0" to 6" divided into 1/16" units on the other edge.

CATALOG NO.
F13355-0001

SHOP www.belart.com

X-Ray Film Box Holder Bag



Protects Film from Light Damage

Keeps X-ray film safe in a dark protective environment, eliminating the risk of exposure. The outer surface of the bag is black, tightly woven nylon; inner lining is black opaque vinyl. A generous closing flap overlaps, securing the bag on all edges with a hook and loop sealing strip.

NYLON VINYL

CATALOG NO.	FOR CASSETTES	BAG SIZE
F13352-0001	20 x 25cm (8 x 10")	30 x 36cm (12 x 14⅛")



X-Ray Cassette Security Bags

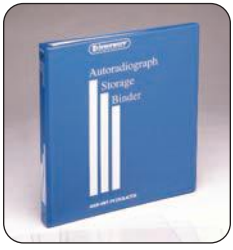
Added Light Protection for X-Ray Film

Intended to augment the light protection afforded by X-ray film cassettes which may leak light because of damage due to age, use, or sudden shock. Made of black nylon, the bag has a hook-and-loop sealing strip on its closing flap.

NYLON

CATALOG NO.	FOR CASSETTES	BAG SIZE
F13353-0000	38.1 x 45.7cm (15 x 18")	43.2 x 53.3cm (17 x 21")
F13353-0001	20.3 x 25.4cm (8 x 10")	35.7 x 27.9cm (14 x 11")
F13353-0002	12.7 x 17.8cm (5 x 7")	24.1 x 26.0cm (9½ x 10¼")

Gel Binder



Keep Autoradiography Film Handy and Organized

This sturdy, vinyl covered 10-ring loose leaf binder stores and protects 36 x 43cm (14 x 17") film in transparent sheet protectors that provide easy viewing. X-ray films are placed two per sheet protector. 10 sheet protectors are supplied, additional replacement sheets are available.

CATALOG NO.	DESCRIPTION
H13553-0000	Gel Binder with 10 Sheet Protectors
F13553-0001	Replacement Sheet Protectors/pack of 10

SHOP www.belart.com



Bacterial Cell Spreaders

Stainless Steel for Easy Sterilization

Spread your bacterial cells onto the surface of an agar plate with these stainless steel cell spreaders. Available in two sizes, both have a smooth triangular end with a 20.3cm (8") long straight handle. They are autoclavable and can be flame sterilized.

CATALOG NO.	DESCRIPTION
F37736-0006	Small Cell Spreader for 6cm plates has a 16mm (.62") wide spreading bar
F37736-0009	Large Cell Spreader for 9cm plates has a 25mm (1.0") wide spreading bar

Replacement Pad for Inoculating Turntable



Replacement pad for discontinued Inoculating Turntable F40913-0000.

CATALOG NO.	DESCRIPTION
F40913-0001	Replacement Pad for Turntable

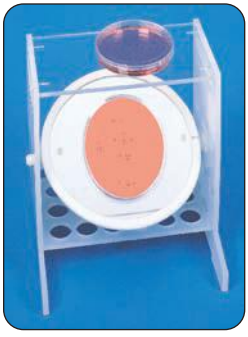


Plate Reader

Safely View the Bottom of Microtiter Plates and Petri Dishes

Plate reader has a clear deck for resting plates and a large, adjustable mirror for viewing their underside. This tool allows safe examination of the bottom of plates without risking spills on the face and eyes. It is ideal for examining cell monolayer, cell clones and for counting viral plaques or bacterial colonies. Other applications include easy and safe reading of hemagglutination, hemagglutination inhibition, hemolysis and agglutination tests. Mirror magnification is 3X actual plate size. Made of polypropylene with a glass-clear acrylic deck for placement of plates and Petri dishes.

CATALOG NO.
F37861-0000

Mini Magnifier

Hands-Free Viewing of Hard-to-See Items



This free-standing magnifier allows enhanced viewing of Petri dishes, multi-well plates, x-ray films, stained gels, slides or text with a precision molded lens offering 1.75 magnification. The unique stand with an adjustable angle magnifier can be placed over a variety of objects including the Mini Light Box. Dimensions: lens 10.5 x 14.3cm (4⅛ x 5⅝"), stand 17.2cm (6¾") high. Weight: 368.5g (13 oz).

CATALOG NO.
F37865-0000



Replica-Plating Device

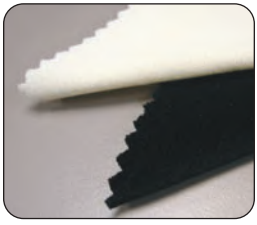
Low-Cost, Accurate Method of Colony Replication

Utilizes a locking ring which secures sterile velveteen squares onto a PVC cylinder for easy control of the plating device. To produce replicas, the Petri dish carrying microbial colonies is inverted and lowered onto the cloth surface, then lifted. A fresh sterile nutrient plate is then lowered onto the velveteen surface and lifted, leaving a replica of the original colonies in the new dish. May be disinfected between uses with a brief rinse in 70% ethanol or chlorine bleach. The aluminum ring is 10.2cm (4") diameter, and the PVC cylinder is 6.9cm (2¾") high. For use with 90 to 100mm Petri dishes. One 12 pc. bag of white velveteen squares (also below) is included. Not autoclavable.

CATALOG NO.
F37848-0000

Velveteen Squares - Sterile

For Scienceware® Replica-Plating Device



Sterile, 100% cotton, absorbent twill-backed velveteen squares are 15.2cm x 15.2cm (6 x 6"). **Available in Black or White packed in a sealed bag with three inner locking bags each containing 12 squares, 36 pcs. total.**

CATALOG NO.	DESCRIPTION
H37848-0001	*36 Velveteen squares, White*
H37848-0002	*36 Velveteen squares, Black*

SHOP www.belart.com

Mini Light Box II



Compact and Lightweight

Offers a color corrected fluorescent viewing surface (4¾" x 3¾") that is ideal for checking slides, plates, mini-gels, Petri dishes or X-ray films. Operates with 4 "AA" batteries (not included) or with an adapter suitable for both 120VAC and 240VAC (optional). A removable counting grid is included. Dimensions: 15.9 x 13.7 x 4.5cm H (6¼ x 5⅜ x 1¾ H"). Weight: 255g (9oz). Bulb: 4 watt fluorescent.

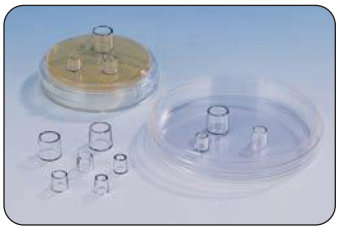
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CATALOG NO.	DESCRIPTION
F37864-2000	Mini Light Box II
F37864-0100	Extra Counting Grids (5)
H37864-0301	AC Adapter (120VAC & 240

DISCONTINUED PRODUCT

SHOP www.belart.com

Sterile Cloning Cylinders



Convenient, Improved Cloning Technique

These cloning cylinders facilitate the isolation of individual cell clones, each generated from a single cell, yielding a homogenous population of cells. To isolate a clone, a thin layer of grease is applied to the bottom edge of the cylinder and then inverted over the clone of choice. After adding a small volume of Trypsin or EDTA, the dish is incubated at 37ºC (98.6ºF) briefly until cells detach. Cells are then collected from inside the cylinder and transferred to another vessel for further growth.

Polystyrene cloning cylinders are supplied in sterile packs. Three sizes: 4.7mm I.D. x 8mm H, 6.4mm I.D. x 8mm H and 9.5mm I.D. x 11mm H. Each cylinder is tapered so the bottom edge is wider than the top ensuring a good sealing surface. **Packed 10 per bag, one size.**

PS

CATALOG NO.	SIZE	PACKING DESCRIPTION	O.D.
H37847-0000	*Assorted*	*4 bags of 10 of each size, 12 packs total*	*N/A*
F37847-0100	*Small*	*5 bags of 10 per pack*	*Top 7mm - Bot 8mm*
F37847-0200	*Medium*	*5 bags of 10 per pack*	*Top 8½mm - Bot 9½mm*
F37847-0300	*Large*	*5 bags of 10 per pack*	*Top 12mm - Bot 13mm*



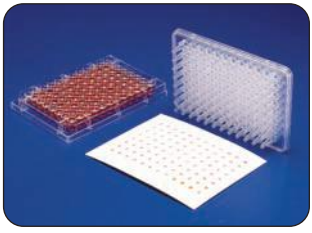
Sterile Cloning Discs

RNase and DNase Free

Saves time and reduces effort when isolating a large number of clones. The sterile paper discs transfer cells quickly and easily to a 24-well plate. Cloning discs have been sterilized by Gamma radiation. **2 vials of 50 discs per pack.**

CATALOG NO.	DIAMETER
F37847-0001	*3.2mm (⅛")*
F37847-0002	*4.8mm (3/16")*
F37847-0003	*6.4mm (¼")*

Bel-Blotter™ 96-Well Replicating Tool



Increase Productivity, Mimimize Effort

Designed to do tedious tasks with a minimum of effort, the 96 open-ended pipette tips of this unique product fit all types of 96 well plates from flat, vee or round bottom plates to 0.2ml thin walled PCR plates and tubes. Tip will retain up to 10ml of fluid for placement onto filter paper, plate or other receiving media. Can be used for replication of recombinant DNA libraries, inoculation of filters for colony hybridization, PCR, phage typing and other applications. Made of polycarbonate, it is easy-to-use, reusable and autoclavable. **Per each, 10 per case.**

PC A

CATALOG NO.
F37876-0002

SHOP www.belart.com

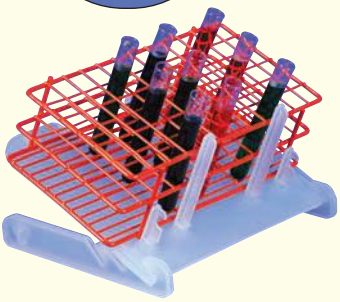
NEW PRODUCT!











Rack Slanter

Tilt your test tube rack to 25°, 35° or 45°. Adjusting the angle of racks reduces hand strain when working with pipettors. Also ideal for creating agar slant tubes or use with the Mini-Magnifier to aid in the viewing of Petri dishes. Base legs have predetermined slots that stand slides in and out of to easily change angles. Fits racks up to 29.3 x 24.2 x 8.3cm H (11⁹⁄₁₆" x 9⁹⁄₁₆" x 3¼"). Steam autoclavable at 121°C (250°F).

PP A

CATALOG NO.	DESCRIPTION
F18890-0100	*Rack Slanter*
F37865-0000	*Mini Magnifier, See description page 215.*

Stackable Petri Dish Incubation Tray

Increases overall capacity of your incubator by holding five 100mm diameter or fifteen 60mm diameter Petri dishes. Each polypropylene tray includes two large label areas for critical sample identification by marker or label and holes in the tray bottom to facilitate air flow. *Not recommended above 100°C (212°F). Autoclaving may warp. Can be disinfected with 70% ethanol or common laboratory disinfectants.*

3 per pack, 4 packs per case.



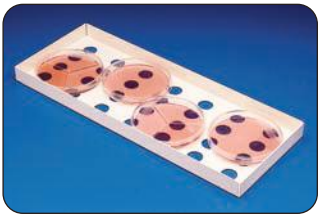
PP

CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
F18983-1000	*Polypropylene*	*25.1 x 23.7 x 3.5cm (9⁷⁄₈ x 9⁵⁄₁₆ x 1⅜")*

Increase Storage Space without Losing Any Additional Work Area

SHOP www.belart.com

Petri Dish Incubation Tray



Organize Your Incubator

Petri dish incubator tray holds 100mm (4") Petri dishes securely on an incubator rack. It is an excellent aid for keeping cell cultures organized and has 28 holes in the bottom, 19mm (¾") in diameter, to allow air passage. Made from 1.6mm (1/16") thick, white epoxy-coated steel. Steam autoclavable at 121ºC (250ºF) for 15-20 min.

CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
F18983-0000	White, epoxy-coated Steel	34.9 x 13.7 x 2.2cm (13¾ x 5⅜ x ⅞")



Photo shows two racks stacked.

Stak-A-Tray™ System

Maximize Incubator Space

Modular rack and tray system maximizes storage for Petri dishes and cell culture flasks in incubators, cold rooms or on the bench. Each rack has 4 tiers. Stack up to five racks for 20 levels of storage. Perforated trays allow air flow and slide easily in the rack. Each tier accommodates one large or two small trays. All parts are stainless steel and autoclavable at 121ºC (250ºF). Rack Dimensions: 37.5 x 10.8 x 35.8cm H (14¾ x 4¼ x 14 1/16" H). Large Tray: 35.6 x 35.6cm (14 x 14"), Small Tray: 17.8 x 35.6cm (7 x 14"). Racks and trays sold separately.

CATALOG NO.	DESCRIPTION
H18610-0420	Rack with two center supports (for larger culture flasks) 5cm (1.96") clearance between trays.
H18610-0440	Rack with four center supports (for Petri dishes and small culture flasks) 2.4cm (0.96") clearance between trays.
H18610-0470	Small tray, 17.8 x 35.6cm (7 x 14")
H18610-1440	Large tray, 35.6 x 35.6cm (14 x 14")

Stak-a-Tray™ System, Storage Capacity

ITEM SIZE	LARGE TRAY HOLDS	SMALL TRAY HOLDS
35 x 100mm dish	64	32
5 x 12mm dish	36	18
60 x 12mm plastic dish	36	17
60 x 15mm glass dish	25	12
100 x 10mm dish	13	6
100 x 15mm dish	13	6
100 x 20mm dish	13	6
150 x 20mm dish	4	2
150 x 25mm dish	4	2
125 x 15mm square	4	2

SHOP www.belart.com



Conway Diffusion Cell

Obrink Modification

For determining carbon dioxide, ammonia or alcohol in blood or serum by diffusion method. Smooth, white molded polypropylene with natural, clear polypropylene cover. The cover has a lifting knob and fits the annular moat of the cell to seal off the chamber. Steam autoclavable at 121°C (250°F). **3 per pack, 12 packs per case.**

CATALOG NO.	O.D.	MOAT DEPTH	CHAMBER DEPTH x DIA.	CENTER DEPTH x DIAM
F40941-0000	*83mm*	*4mm*	*10 x 60mm*	*4 x 35mm*

NEW PRODUCT!

60mm Petri Dish Rack



Portable Rack Holds up to 54 Dishes

This rack is useful for safe transport and incubation of 60mm Petri dishes and helps to streamline benchtop sample processing. Each rack has six columns and holds up to fifty-four Petri dishes with lids. The 10½ x 6¾" base area preserves benchtop space, and a large center divider has space for labeling and includes a carrying handle that does not interfere with samples. Up to four racks can be stacked together and interlocked to prevent accidental knock over. Finger access slots in the base allow a stack of dishes to be safely removed from the rack with a secure grip. Rack base is epoxy coated steel, and all other parts are made of white polypropylene. Steam autoclavable at 121°C (250°F). Racks are shipped flat and easily assemble in minutes.

CATALOG NO.	# OF DISHES	DIMENSIONS (L x W x H)
F18991-0060	*54*	*26.7 x 17.1 x 17.1cm (10½ x 6¾ x 6¾")*



Poxygrid® 60mm Contact Plate/Petri Dish Rack



Organize and Safely Hold Samples

Durable blue epoxy-coated steel wire racks hold 30 or 10 contact plates with lids (72mm maximum diameter) (RODAC®, Becton Dickinson). Useful for transport, incubation and storage of contact plates and convenient organization. Racks are steam autoclavable at 121°C (250°F).

CATALOG NO.	# OF PLATES	COLUMNS	DIMENSIONS (L x W x H)
F18979-0003	*10*	*1*	*8.2 x 8.2 x 14cm (3¼ x 3¼ x 5½")*
F18979-0002	*30*	*3*	*8.2 x 24.6 x 14cm (3¼ x 9⅝ x 5½")*

SHOP www.belart.com

72mm Contact Plate Rack

Safely Transports Sixty Plates

Safely transport, incubate and store up to 60 contact plates with lids up to 72mm diameter (RODAC®, Becton Dickinson) and streamline benchtop sample processing. Rack is configured in 6 columns with bottom access slots for easy removal of plates from the rack. Center divider has a built-in handle and ample space for labeling. Racks interlock for safe stacking up to four high. Made from polypropylene, rack is autoclavable at 121ºC (250ºF). Quick assembly.



PP A

CATALOG NO.	# OF PLATES	DIMENSIONS (L x W x H)
F18990-0000	60	26.6 x 16.5 x 17.8cm (10½ x 6½ x 7")



100mm Petri Dish Rack - White Polypropylene

Safely Transports Forty-Two Dishes

Safely transports, incubates and stores 100mm Petri dishes and helps to streamline benchtop sample processing. Holds up to forty-two Petri dishes with lids, configured in six columns of seven plates. Access slots allow safe removal of plates from the rack. Up to four racks can be stacked together and interlocked to prevent accidental knock over, and a small, stable base preserves bench top space. Center divider provides space for labeling and incorporates a handle that does not interfere with the samples. Made from white polypropylene and can be steam autoclaved at 121ºC (250ºF). Racks are shipped flat and are easily assembled.

PP A

CATALOG NO.	# OF DISHES	DIMENSIONS (L x W x H)
F18991-0000	42	33 x 21 x 17.8cm (13 x 8¼ x 7")

100mm Petri Dish Rack - Clear TPX® Body

Maximize Incubator Space

Clear, TPX® rack with polypropylene posts securely holds up to fifty-four 100mm Petri dishes. Easily viewed through the clear base and divider, dishes can be removed with one hand. Built-in handle provides easy transport, and rubber feet help prevent rack from sliding on the benchtop. Racks are shipped flat and can be assembled in minutes.



PMP PP A

CATALOG NO.	# OF DISHES	DIMENSIONS (L x W x H)
F18985-0100	54	34 x 20 x 23cm (13½ x 8 x 9¼")

SHOP www.belart.com

Easyplate™ 100mm Petri Dish Racks







Remove and Insert Multiple Dishes at Once

Easyplate™ 100mm Petri Dish Racks

Perfect for Use in an Incubator

Increase workspace and efficiently transport large quantity of Petri dishes. Silicone holding strips on the rack's four columns grip each Petri dish and enable the user to easily insert and remove groups of dishes without disturbing upper or lower dishes. Labels on the sides of the rack provide space for critical sample identification. Available in 4 colors and two sizes; the 24.1cm (9½") high size holds forty-eight 100mm Petri dishes, and the 36.9cm (14½") high size holds eighty-four 100mm Petri dishes. Made of lightweight, chemically resistant polycarbonate and autoclavable at 121°C (250°F). Turntable (F18982-1000) sold separately (below).

CATALOG NO.	COLOR	HEIGHT
F18982-0014	*Natural*	*37cm (14½")*
F18982-0314	*Blue*	*37cm (14½")*
F18982-0009	*Natural*	*24cm (9½")*
F18982-0109	*Red*	*24cm (9½")*
F18982-0209	*Yellow*	*24cm (9½")*
F18982-0309	*Blue*	*24cm (9½")*
F18982-0409	*Natural, Red, Yellow, Blue*	*24cm (9½")*

Easy & Continuous Vacuum Aspiration, Page 201

SHOP www.belart.com

Poxygrid® 100mm Petri Dish Dispensing Racks



Epoxy Coated Steel Wire

Petri dishes are easily dispensed one at a time from the bottom of the stack. Each column holds twenty 10cm x 2cm (nominal size) plastic Petri dishes per stack, which are loaded at the top and dispensed at the bottom. The rack tilts toward the rear for convenient presentation of dishes. Not suitable for glass Petri dishes.

A

CATALOG NO.	# OF DISHES	COLUMNS	DIMENSIONS (L x W x H)
F18978-0001	*14*	*1*	*14.5 x 10.8 x 28cm (5¾ x 4¼ x 11")*
F18979-0001	*60*	*3*	*14.5 x 32 x 28cm (5¾ x 12¾ x 11")*



Poxygrid® 100mm Petri Dish Carrying Racks

Choose from Two Models

These epoxy coated steel wire racks hold 100mm x 20mm plastic Petri dishes and are easily loaded and emptied from the top. The wide front openings permit easy access but prevent dishes from sliding out. Not suitable for glass Petri dishes.

A

CATALOG NO.	# OF DISHES	COLUMNS	DIMENSIONS (L x W x H)
H18978-0000	*20*	*1*	*10.8 x 10.8 x 35.6cm (4¼ x 4¼ x 14")*
H18979-0000	*42*	*3*	*34.3 x 10.8 x 30.5cm (13½ x 4¼ x 12")*

Adjustable Width Petri Dish Dispenser Rack



Adjusts to Hold a Variety of Dish Sizes

This adjustable dispenser neatly and safely holds 15 Petri dishes up to 10.2cm (4") diameter. Made of rugged ABS plastic, it slides open at the base for easy refilling. The rack is 8.9cm (3½") wide, extends from 12.7cm (5") to 21cm (8¼") long and is 21cm (8¼") high.

ABS PLASTIC

CATALOG NO.	DESCRIPTION
F18982-0002	*Holds Fifteen, 65mm to 100mm Petri Dishes With Lids*

SHOP www.belart.com



Microscope Slide Dispenser

ABS plastic dispenser releases clean, dust-free 25 x 75mm (1 x 3") slides one at a time by turning the knob on either side. The clear plastic cover allows easy visual check on slides remaining and pulls off vertically for refilling. Holds approximately 72 slides, depending on thickness. Measures 11.1 x 12.4 x 14cm high (4⅜ x 4⅞ x 5½"). **Per each, 6 per case.**

ABS PLASTIC

CATALOG NO.
F44562-0000

Plastic Microscope Cover Slips

Unbreakable and Flexible

0.157mm (.006") flexible vinyl 22 x 22mm cover slips, each interleaved with tissue. **1 box of 1,000 units.**



VINYL

CATALOG NO.
H44690-0000



Slide Holder

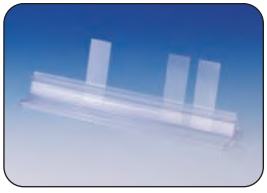
With these handy files near your microscope, slides are always separated, visible and orderly. The vacuum-formed polystyrene 12-place slide holder allows slides to project over the rack's edge for easy handling. 8.6 x 17.8 x 1.9cm H (3⅜ x 7 x ¾" H). **6 per pack, 24 packs per case.**

PS

CATALOG NO.
H44557-0000

Slide Holder Strip

This slide holder has a sloped groove that accepts up to 10 single or double slides standing on end. A front ledge serves as a place to dry slides. Made of durable polystyrene, the holder measures 25 x 5 x 3cmH (10 x 2 x 1¼" H). **Per each, 12 per case.**



PS

CATALOG NO.
F44542-0000

SHOP www.belart.com

Microscope Slide Tray



Easily Distinguish Dyes and Stains

Each tray stores 20 standard 25 x 75mm (1 x 3") slides in a horizontal position for full visibility. White polystyrene background makes it easy to distinguish dyes and stains. Trays can be used independently or conveniently stored in the H44583-0000 Slide Tray Cabinet (shown below). Handy finger cut out simplifies removal of slides. **6 per pack, 12 packs per case.**

PS

CATALOG NO.	DIMENSIONS (L x W)
H44581-0000	*34 x 17cm (13½ x 6⅝")*



Slide Tray Cabinet

Compact Cabinet Holds 12 Trays, 240 Slides

Holds (12) H44581-0000 Microscope Trays horizontally in a dust-free enclosure. Has a white polypropylene outer shell, polystyrene tray rails, and a vertically sliding, clear acrylic door with a knob for easy opening. Cabinet only, trays sold separately above.

PP PS ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
H44583-0000	*35.6 x 20.8 x 25.4cm (14 x 8³⁄₁₆ x 10")*

Slide Boxes



These compact, durable slide boxes provide the maximum protection for 25 x 75mm (1 x 3") microscope slides. Heavy walls will not warp, splinter, or crack. Boxes are unaffected by humidity and are thoroughly insect proof. Cover and base have a numbered index for easy identification.

CATALOG NO.	DESCRIPTION	CASE
H44576-0000	*For 25 slides; removable lid. 2 per pack*	*24 packs*
H44576-0050	*For 50 slides; removable lid, stackable*	*12*
H44577-0000	*For 100 slides; hinged cover*	*–*
H44577-0001	*For 100 slides; slip-on cover*	*–*



Slide Mailer

Chemically inert, polyethylene container has a deep screw cap to provide maximum protection against breakage. Once cap is removed slides project 12.7mm (½") out of the jar for easy grip and clean handling. Internal grooves accept 5 to 10 microscope slides 25 x 75mm (1 x 3") or can be used as a specimen jar to hold vials up to 12ml. The cap has a small loop for attachment of wired tags and should be taped for shipment. **6 per pack, 6 packs per case.**

PE

CATALOG NO.
H44200-0000

SHOP www.belart.com



Coplin Staining Jar

This polypropylene jar improves on the classic tapered square design with a larger opening for easier placement and removal of slides. The polypropylene screw cap is 5.3cm in diameter, has a flat top, easy grip knurled edge, deep thread and a seal ring to prevent leaks. Five internal slots hold up to 10 standard 25 x 75mm (1 x 3") slides back to back. Base diameter: 6cm (2⅜"). Height: 11.4cm (4½"). Steam autoclavable at 121°C (250°F), remove cap when autoclaving. **Per each, 12 per case.**

CATALOG NO.
F44208-1000

Cleanware™ Microscope Optics Cleaning Kit

Clean, Clear and Smudge Free

Contains everything you need to keep optics and microscope parts sanitary, clean and clear. Includes ten, pre-saturated optical cleaning pads, two individually wrapped packs of anti-static plastic surface wipes, and two, 15.2cm (6") swabs which are pre-moistened with alcohol. Complete instructions for use included. *No Air Shipment*.



CATALOG NO.	DESCRIPTION
F17072-0000	*Cleaning Kit*
F17072-0010	*Additional pre-saturated optical cleaning pads, 5 x 8", 10 per pack*



Vikem® Vinyl Microscope Covers

Assorted Sizes to Fit Your Needs

These transparent Vikem® vinyl covers protect your valuable microscopes, balances and other instruments from dust and spills. Simply slide the cover over the instrument when it is not in use. Available in three standard sizes, and custom sizes or shapes to fit other instruments are available by special order. **Per each.**

CATALOG NO.	SIZE
F24301-0000	*Standard size - 33 bottom x 23 top x 42cmH (13 x 9 x 16½")*
F24303-0000	*Large size - 41 bottom x 28 top x 46cmH (16 x 11 x 18")*
F24304-0000	*Extra Large size - 46 bottom x 38 top x 56cmH (18 x 15 x 22")*

SHOP www.belart.com

A. View-Pack™ Microscope Slide Holder with Ring Binder

For Orderly, Visual Display and Safe Transport of Microscope Slides

Standard 23 x 30cm (9 x 12") 3-ring binder comes complete with ten, 22 x 27cm (8½ x 10½") vinyl View-Pack™ Microscope Slide Holder Pages (enough for 160 slides). Each page holds (16), 25 x 75mm (1 x 3") slides in individual pockets with a white back and clear front. A center flap keeps slides from falling out. Simply fold the page at the center crease to retrieve slides.



CATALOG NO.	DESCRIPTION
F44170-0000	*View Pack™ Binder with 10 pages*
F44171-0000	*Refill View-Pack™ Microscope Slide Holder Pages 10 pages per package, 10 packages per case.*

B. Slide Staining and Storage System

Universal slide rack (B1), staining dish (B2) and slide rack storage box (B3) for histology, microbiology and other slide staining needs. The rack and dish are made of black poly-oxymethylene (POM) plastic which is easy-to-clean and resistant to chemicals used in staining procedures. Polystyrene storage box holds up to four slide racks.

B1. Slide Rack (shown inside Staining Dish)

Holds twenty-five, 25 x 75mm (1 x 3") slides in numbered slots, has an open bottom for rapid draining and a handle so the rack can be lifted to add or remove slides without touching the staining solution. Maximum use temperature is 90°C (194°F). **Per each, 24 per case.**

B2. Staining Dish

Capacity of the staining dish is 250ml, but with the slide rack (B1) only 150ml is needed, providing a savings on staining liquids, developing fluids and intermediates. A tight lid helps minimize spills and evaporation. Upon removing the lid and lifting the slide rack, a provided clip can be placed on the top edge of the dish. The slide rack can then rest on this clip which keeps it elevated above the liquid and lets the stain solution drain back into the reservoir. The inside of the lid has a built-in slide rest which also provides a compartment for a drying agent. Dish is easy-to-clean and the cover will not jam in freezer storage. **Per each, 24 per case.**

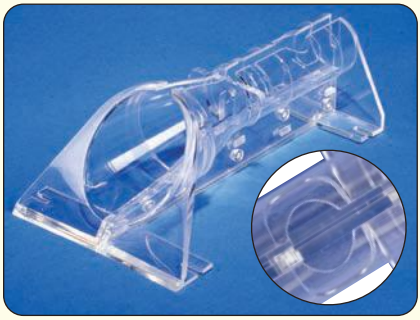
B3. Storage Box

Black polystyrene storage box holds four Slide Racks (B1, sold separately) and provides convenient, indexed storage. There is a paper index for each of the four sections with each section sub-indexed numerically 1-25. **Per each, 6 per case.**

CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
B1. F44180-0000	*Slide Rack*	*9.2 x 7.8 x 2.0cm (3.6 x 3 x .78")*
B2. F44182-0000	*Staining Dish*	*9.4 x 8.1 x 4.9cm (3 11/16 x 3 3/16 x 2")*
B3. F44184-0000	*Storage Box*	*19 x 17 x 5cm (7½ x 6⅝ x 2")*

SHOP www.belart.com

NEW PRODUCT!



Mouse Restrainer with Dorsal Access

The Safe, Fast, and Accurate Way to Work with Mice

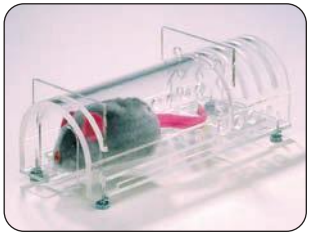
Feature rich and budget friendly, this high throughput Mouse Restrainer with Dorsal Access takes care of the basics, so your hands are free for the important tasks. The easy-to-use entry funnel and tube with two gate positions allows quick, gentle and secure immobilization of the mouse. Draw mouse tail first, or lead head first, into the wide entry funnel and to the back of the tube, then place gate in choice of two slots. When in the restrainer, the dorsal skin of the mouse is accessible through a top circular opening so subcutaneous injections can be performed quickly, without risk of being bitten, and with less likelihood of sticking your own fingers. With tail first entry, the tail of the mouse is conveniently positioned outside the restrainer for tail bleeds and tattooing. Restrainer can be mounted to table or other surface. (Hardware not included). Disinfect with ethanol or common laboratory disinfectants, or autoclave to sterilize. Restrainer is made from durable, crystal clear TPX® and unlike acrylic restrainers will not craze or weaken. **Per each, 12 per case.**

PMP

CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
F46401-0000	*Holds mice 18-35 grams, tube is 3.2cm diameter*	*17.4 x 10 x 6.7cm (6.8 x 3.9 x 2.6")*

Universal Animal Restrainers

Multiple Sizes Available



Fabricated of rigid, clear acrylic plastic, these animal restrainers have removable head and tail gates. The head gate has breathing holes and fits into any of four positions for various sizes of rodents. The tail gate allows maximum closeness of occluding cuff to body. The inner raised floor may be removed for larger rodents. Nylon thumb screws serve as base fasteners and legs.

ACRYLIC

CATALOG NO.	HOLDS ANIMAL	ANIMAL WEIGHT	MINIMUM RESTRAINING	MAXIMUM RESTRAINING
H46400-0001	*Mice*	*10-40g*	*5.1 x 2.9cm 2 x 1⅛"*	*10.2 x 2.9cm 4 x 1⅛"*
H46400-0002	*Rats, Hampsters*	*150-300g*	*12.4 x 6cm 4⅞ x 2⅜"*	*17.1 x 6cm 6¾ x 2⅜"*
H46400-0003	*Large Rats, Small Guinea Pigs*	*250-600g*	*15.2 x 7.3cm 6 x 2⅞"*	*21.6 x 7.3cm 8½ x 2⅞"*

SHOP www.belart.com

Burco™ Drosophila Fly Anesthetizer



Ideal for Student Demonstrations

Fast acting, durable polyethylene anesthetizer is resistant to ether fumes. It fits on the cap seat of a standard ½ pint milk bottle and may be modified to fit other fly containers. Detailed instructions included. **Per each, 24 per case.**

PE

CATALOG NO.
F14300-0000



Inhalation Narcosis Chamber

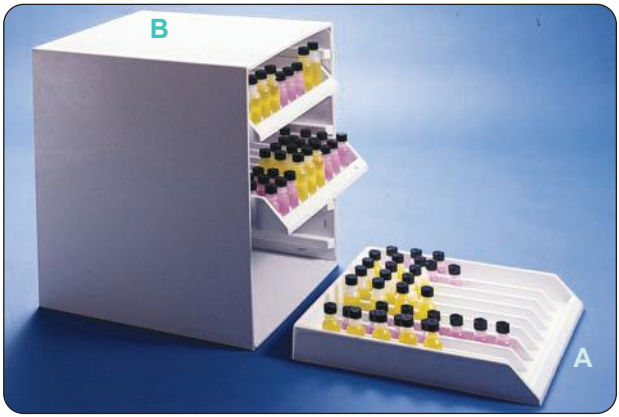
Permits Observation of Procedure

A clear acrylic, hinged cover permits observation of small animals during anesthetizing. Cover and additional polypropylene components are not affected by anesthetic compounds. A folding perforated platform is removed to fill the bottom with cotton and replaced to support the animal. Anesthetic is poured into the small funnel at the side and runs into the bottom of the chamber where it is absorbed by cotton. A stopcock permits entrance of fresh air during anesthesia to prevent suffocation and accepts 4mm-6mm ID tubing. Maximum I.D. is 19.7cm (7¾"), top I.D. is 17.8cm (7"), height from platform to top is 12.7cm (5"), height under platform is 5.7cm (2¼"), overall height is 19.7cm (7¾").

PP ACRYLIC

CATALOG NO.
H46420-0002

SHOP www.belart.com



For Space-Saving Storage in the Refrigerator

A. Lab Fridge™ Tray Racks

Eliminates Clutter and Allows Easy Stock Rotation

A highly valuable aid for refrigerated storage of small bottles of blood-typing sera, chemistry controls, enzyme reagents, coagulant reagents, etc. Made from vacuum-formed white styrene, these trays provide the most efficient storage when used with the H18663 Lab Fridge™ Tray Cabinet (below). **Per each, 6 per case.**

PS

CATALOG NO.	CHANNELS	CHANNEL WIDTH	DIMENSIONS (L x W x H)
H18661-0000	*9*	*25.4mm (1")*	*33 x 33 x 4.4cm (13 x 13 x 1¾")*
H18662-0000	*8*	*32.0mm (1¼")*	*33 x 33 x 4.4cm (13 x 13 x 1¾")*

B. Lab Fridge™ Tray Cabinet

Stack Tray Racks for Space Saving Storage

This open-front cabinet holds three Lab Fridge™ Tray Racks. Made of polypropylene with styrene rails to hold trays, it will accommodate bottles with a maximum height of 8.3cm (3¼"). (Trays not included.)

PP PS

CATALOG NO.	DIMENSIONS (L x W x H)
H18663-0000	*36 x 34 x 39cm (14 x 13½ x 15½")*



Photo shows two racks stacked.

Stak-A-Tray™ System

Maximize Incubator Space

Modular rack and tray system maximizes storage for Petri dishes and cell culture flasks in incubators, cold rooms or on the bench. Each rack has 4 tiers. Stack up to five racks for 20 levels of storage. Perforated trays allow air flow and slide easily in the rack. Each tier accommodates one large or two small trays. All parts are stainless steel and autoclavable at 121°C (250°F). Rack Dimensions: 37.5 x 35.8 x 10.8cm H (14¾ x 14⅛ x 4¼" H). Large Tray: 35.6 x 35.6cm (14 x 14"), Small Tray: 17.8 x 35.6cm (7 x 14"). Racks and trays sold separately.

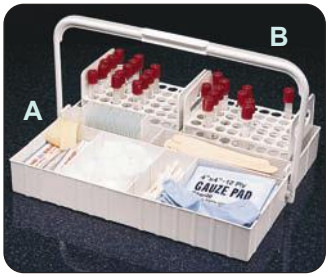
CATALOG NO.	DESCRIPTION
H18610-0420	*Rack with two center supports (for larger culture flasks), 5cm (1.96") clearance between trays.*
H18610-0440	*Rack with four center supports (for Petri dishes and small culture flasks), 2.4cm (0.96") clearance between trays.*
H18610-0470	*Small tray, 17.8 x 35.6cm (7 x 14")*
H18610-1440	*Large tray, 35.6 x 35.6cm (14 x 14")*

Stak-a-Tray™ System, Storage Capacity

ITEM SIZE	SMALL TRAY HOLDS	LARGE TRAY HOLDS
35 x 100mm dish	*32*	*64*
5 x 12mm dish	*18*	*36*
60 x 12mm plastic dish	*17*	*36*
60 x 15mm glass dish	*12*	*25*
100 x 10mm dish	*6*	*13*
100 x 15mm dish	*6*	*13*
100 x 20mm dish	*6*	*13*
150 x 20mm dish	*2*	*4*
150 x 25mm dish	*2*	*4*
125 x 15mm square	*2*	*4*

Increase Storage Space without Losing Any Additional Work Area

SHOP www.belart.com



The Collector™ Blood Tray

Carry Everything You Need from Patient to Lab

Includes two, 40-place test tube racks (tubes up to 16mm O.D.), one 18-place slide holder, a large requisition section, and adjustable partitions to hold needles, syringes, cotton and other materials, meeting your specific needs. Sturdy polypropylene construction holds its shape even when fully loaded. Steam autoclavable at 121°C (250°F). Detachable handle is 17.8cm (7") high. **Per each, 4 per case.**

PP A

CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
A. F18631-0715	*Complete Blood Tray Set*	*35.6 x 29.2 x 5.1cm (14 x 11½ x 2")*
B. F18631-0716	*Replacement test tube support. 40 places for tubes up to 16mm O.D.*	*16.7 x 10.9 x 10.9cm (6½ x 4¼ x 4¼")*

For Organizing Test Tubes, Pipettes and Thermometers, See Rack Section on Pages 260-299

Freezing and Storage Containers

Stackable

High-density polyethylene containers with low-density polyethylene lids. **3 per pack.**



HDPE LDPE

CATALOG NO.	CAPACITY	DIMENSIONS (L x W x H)
H16525-0000	*2.1 liters (71 oz.)*	*12.5 x 12.5 x 17cm (4⅞ x 4⅞ x 6¾")*



Small Storage Bin

Organized, Dust-Free Storage

Made from white acrylic with a clear acrylic front panel for viewing contents, this dispenser keeps items such as alcohol pads, finger cots, microcentrifuge tubes and other small lab supplies organized and within easy reach. The top is removable for filling and a hinged cover allows easy dispensing of items as needed.

ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
F18669-0001	*12.7 x 15.2 x 17.8cm (5 x 6 x 7")*

Large Storage Bin

Organized, Dust-Free Storage

Keep small items organized and within reach. Constructed of white acrylic, it has a clear acrylic front panel that keeps contents in view. Ideal for dust-free storage of bulk purchase items such as tubes, tips and cotton balls. The top is removable for filling and the hinged cover allows easy dispensing of items as needed.



ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
F18669-0000	12.7 x 15.2 x 35.5cm (5 x 6 x 14")



Plastic Compartment Boxes

Organize and Store 35mm Slides, Hardware, Corks, Stoppers and Lab Items

Crystal-clear, styrene plastic affords full visibility of contents, while a tight-fitting, hinged lid keeps objects contained. See sizes below. Not recommended below 0˚C. **Per each, case listed below.**

PS

CATALOG NO.	SIZE (L x W x H)	COMPARTMENTS	CASE
F16611-0000	33.3 x 22.9 x 5.8cm (13⅛ x 9 x 2⅝")	1	5
F16612-0000	33.3 x 22.9 x 5.8cm (13⅛ x 9 x 2⅝")	6	5
F16614-0000	33.3 x 22.9 x 5.8cm (13⅛ x 9 x 2⅝")	24	5
F16622-0000	27.9 x 17.3 x 4.6cm (11 x 6 1⅜ x 1 1⅜")	12	10
F16623-0000	27.9 x 17.3 x 4.6cm (11 x 6 1⅜ x 1 1⅜")	18	10
F16632-0000	21.1 x 11.4 x 3.6cm (8 5⁄16 x 4½ x 1 7⁄16")	6	24

SHOP www.belart.com

Lab Drawer Compartment Trays

Fit Standard Lab Bench Drawers

36 x 44.5cm (14 x 17½") white polystyrene trays fit standard lab bench drawers and are a practical and functional solution for organizing the "stuff" of daily lab life including:

- Thermometers
- Medication Cups
- Jars
- Stir Bars
- Vials
- Pipettes

Per each, 6 per case.

PS

	CATALOG NO.	NUMBER OF COMPARTMENTS/WELLS
 Compartment Tray	*H18648-0000*	*3 Compartments*
	Description Three 6.4cm (2½") deep compartments run the length of the tray holding items up to 38.1cm (15") in length. Compartment 1: 11.4cmW (4½"), Compartment 2: 7.6cmW (3"), Compartment 3: 7.0cmW (2¾")	
 Beaker, Flask & Jar Tray	*H18650-0000*	*20 Wells*
	Description 20 wells of various diameters hold containers up to 9.8cm (3⅞")	
 Gadget Organizer Tray	*H18652-0000*	*12 Compartments*
	Description 12 compartments; each is 9.8 x 9.8 x 7.3cm deep (3⅞ x 3⅞ x 2⅞")	
 Scintillation Vial Tray	*H18653-0000*	*63 Wells*
	Description 63 wells - 2.8cm diameter x 1.3cm deep (1⅛ x ½")	

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	CATALOG NO.	NUMBER OF COMPARTMENTS/WELLS	PRICE/EACH



Five Compartment Tray

H18654-0000 *5 Compartments*

Description

Long center compartment and four side compartments. Center compartment: 7.6W x 38.7L x 5.7cmD (3 x 15¼ x 2¼") Side compartments: Two – 11.4W x 19L x 5.7cmD (3 x 7½ x 2¼"), Two – 7.0W x 19L x 5.7cmD (2¾ x 7½ x 2¼")

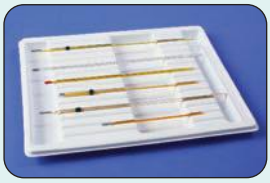


Open Tray

H18655-0000 *1 Compartment*

Description

Open tray can hold a variety of larger/odd shaped objects, or light, bulk materials



Thermometer Tray

H18656-0000 *14 Rests, 3 Compartments*

Description

14 rests keep thermometers and other long, fragile instruments organized and accessible. Rests are interrupted by 3 deeper compartments making removal of thermometers easier and provide additional storage.



Four Compartment Tray

H18658-0000 *4 Compartments*

Description

Four, equal sized compartments, each 19.7 x 15.2 x 5.7cm deep (7¾ x 6 x 2¼")

For Spill Containment Trays, See Pages 412-413



Pipette Pump™ III
Fast Release Trigger Dispenses Entire Contents, Page 242



Transpette™ 8 Channel Transfer Pipettor
Inexpensive, Disposable, Efficient, Page 247



Tall Form Graduated Pitchers
Large Handles, Well-Designed Spouts, Page 256

DISCONTINUED PRODUCT

Ergopet® Memory Pipettors

Ergonomic Design Prevents Wrist and Arm Strain, Page 239

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NEW PRODUCTS!

Ergopet® Pipettors

Prevents Strain on Your Wrist and Arm

Ergonomic design reduces awkward positioning, as well as strain and fatigue to pipetting hand and arm when working inside a hood or on the bench.



- Extended handle length dramatically lowers the hand position allowing users to rest their elbow on the bench while supporting their pipettor, especially with the hood sash lowered.
- Swiveling head can be positioned straight ahead in line with the hand or swung up to 90º left or right to permit unobstructed viewing of the meniscus and graduations while aspirating and dispensing.
- Soft silicone chuck accepts glass or plastic pipettes from 1-100ml with outside mouth diameter of 3.3 to 9.9mm. Chuck can be rotated to change the angle of the pipette from vertical to 15º outwards to ensure that the meniscus is level at all times. Hydrophobic filter within the chuck can be replaced without using any tools and protects the pipette from inadvertent backflow.

NEW PRODUCTS!

Ergopet® Bellows Pipettor

No Batteries or Power Supply Needed. Great for Field or Classroom Use.



Rugged, hand-operated bellows provides about 100ml of pipetting volume and continuous, silent operation without the need for battery charging, power cords. Extended height models (4 or 8") lift the pipette tip allowing users with different body heights and arm lengths to use the pipettor easily in restricted spaces such as fume hoods. Its feather-light weight and comfortable grip reduces fatigue allowing hours of comfortable, stress-free operation. Not autoclavable. Rest or store on accessory wire support stand F37907-0100 available page 240.

CATALOG NO.	DESCRIPTION	WEIGHT
F37907-0011	*Ergopet® I Bellows Pipettor, 30.1cm (11⅞") Overall Height*	*0.20kg (7.1oz)*
F37907-0012	*Ergopet® II Bellows Pipettor, 40.3cm (15⅞") Overall Height*	*0.24kg (8.4oz)*
F37907-0013	*Ergopet® III Bellows Pipettor, 50.5cm (19⅞") Overall Height*	*0.28kg (9.8oz)*

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NEW PRODUCTS!

Ergopet® Accessories

Wire stand supports all Ergopet® Pipettors. Weighted base fits Ergopet® Memory Pipettors (F37910 series) and Ergopet® Battery Powered Pipettors (F37908 series).





CATALOG NO,	DESCRIPTION
F37907-0100	A. Ergopet® Wire Support Stand, 46.2cm (18⅛")
F37907-0101	B. Ergopet® Weighted Base
F37908-0251	C. Ergopet® Filter (Pack of 12)
F18307-0005	D. Vikem® Vinyl Coated Lead Ring, 43mm (1.7") I.D.

SHOP www.belart.com

Vari-Pet® Pipettors

Dependable, Positive Displacement Repetitive Dispenser


Teflon®


Luer Lock

Self-filling pipetting aid designed for speed, ease, and convenience. The polypropylene handle is ergonomically designed to permit extended use without fatigue and a Teflon® plunger assures smooth, consistent operation. Dispensing volume can be adjusted by turning the knob at the base of the unit. Offered in two models:

Teflon® Tip Varipet® Pipettor has excellent chemical resistance because the fluids only contact the borosilicate glass and Teflon®

Luer Lock Varipet® Pipettor is supplied with a chrome-plated steel Luer lock fitting, complete with removable cannula for general use. Accuracy is ± 0.5%.

CATALOG NO.	DESCRIPTION	CAPACITY	SUBDIVISIONS
F37895-0010	*Teflon® Tip*	*1ml*	*0.01ml*
F37895-0100	*Teflon® Tip*	*10ml*	*0.20ml*
F37895-1010	*Luer Lock Tip*	*1ml*	*0.01ml*
F37895-1100	*Luer Lock Tip*	*10ml*	*0.20ml*



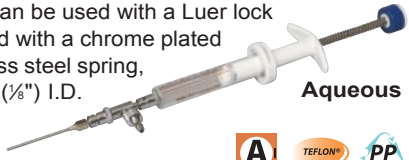
Minipet™ Pipettors

Repetitive Pipettors in Two Styles

Features a three-way check valve for continuous, repetitive pipetting. Just place the filling line in a reservoir, push the Teflon® plunger to dispense and release to refill. A molded polypropylene handle offers comfort for extended use. Turning the knob on top sets the self-locking capacity to assure dispensing repeatability of ± 0.5%. Extensions can be added to the filling line for greater reach.

Teflon® Minipet® Pipettors offer a high level of chemical resistance and may be used with virtually any solvent or acid (except HF). Fluids come in contact with only borosilicate glass and Teflon®. Supplied with an all-Teflon® valve (with glass check) and Teflon® sinker on 45.7cm (18") line, 2.4mm I.D.(⅛").

Aqueous Minipet® Pipettors are autoclavable and can be used with a Luer lock manifold for multi-well plate work. They are supplied with a chrome plated check valve, Luer lock fitting, Buna-N-seals, stainless steel spring, and Luer lock cannula, 45.7cm long (18"), 3.2mm (⅛") I.D. silicon filling tube and Teflon® sinker.


Aqueous

CATALOG NO.	DESCRIPTION	CAPACITY	SUB DIVISIONS
F37900-0010	*Teflon®*	*1ml*	*0.01ml*
F37900-0100	*Teflon®*	*10ml*	*0.20ml*
F37900-1100	*Aqueous*	*10ml*	*0.20ml*

Teflon® Minipet® Pipettors When You Need High Chemical Resistance

SHOP www.belart.com

Pipette Pump™ Pipettors

All Pipette Pump™ Pipettors are color-coded by Pipetting Volume

Up to 0.2ml | Up to 2ml | Up to 10ml | Up to 25ml

Pipette Pump™ III Pipettors

Your Choice of Two Ergonomically Designed Models

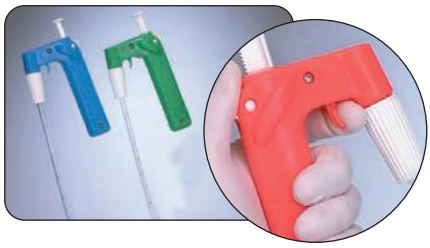
U.S. Patent 7,093,507; European Patent E1477227A2

The ergonomic design of Pipette Pump™ III Pipettors enhances comfort, utility and dispensing precision while helping to reduce the risk of injury from repetitive and awkward pipetting motions. The angle of the inserted pipette and its placement in front of the hand allows the arm to remain in a more natural, lowered position unlike other pipettors, which require arm and elbow elevation for many pipetting actions. Compact design adds only 15.2cm (6") to the pipette length allowing use in fume hoods and controlled environment glove boxes. Lightweight, one-handed operation minimizes strain on the hand and wrist.

A. Fast Release Pipette Pump™ III Pipettors

Quick and Accurate Operation





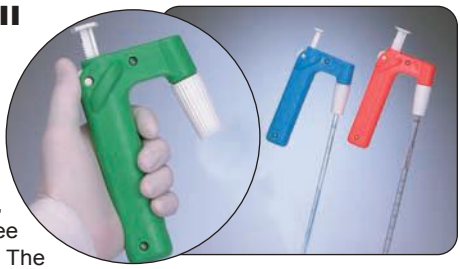
This lightweight pipettor has a fast release trigger that dispenses the entire pipette contents. An optimally located thumb wheel easily rotates for precision aspirating or dispensing, down to a volume of one drop at a time – all while using a relaxed grip. The thumb wheel also can be used to "blow out" the contents of the pipette. Available in three different pipette volumes, 2, 10 and 25ml, each color-coded for easy identification. A self-stabilizing collar inside the silicone chuck holds either glass or plastic pipettes. Resistant to acids, alkalis and most solvents, they can be disassembled for cleaning. Overall length: 17.1cm (6¾"). **Per each, 12 per case.**

PP

CATALOG NO.	PIPETTE UP TO	COLOR
F37904-0002	2ml	Blue
F37904-0010	10ml	Green
F37904-0025	25ml	Red

SHOP www.belart.com

B. Economy Pipette Pump™ III Pipettors



Accuracy at an Affordable Price!

Ergonomic design enhances comfort, utility and dispensing precision while helping to reduce the risk of injury from repetitive and awkward pipetting motions. This lightweight, affordable device provides accurate, trouble-free pipetting with simple, one-handed operation. The optimally located thumb wheel rotates easily for precision aspirating or dispensing, down to a volume of one drop at a time. The thumb wheel also can be used to "blow out" the contents of the pipette. Available in three different pipette volumes, 2, 10 and 25ml, each color-coded for easy identification. Resistant to acids, alkalis and most solvents, they can be disassembled for cleaning. Overall length: 17.1cm (6¾"). **Per each, 12 per case.**

PP

CATALOG NO.	PIPETTE UP TO	COLOR
F37902-0002	*2ml*	*Blue*
F37902-0010	*10ml*	*Green*
F37902-0025	*25ml*	*Red*



Fast Release Pipette Pump™ II Pipettors

Features Rapid Release Valve for Quick Dispensing

Glass or plastic pipettes are easily inserted into a unique collar with stabilizing fingers for a secure hold. Rotating the knurled thumb wheel draws liquid to the desired volume. To empty rapidly, apply light pressure to the fast release lever. For gradual dispensing, rotate the thumb wheel. Sizes are color coded. They can be disassembled for cleaning. **Per each, 12 per case.**

PP

CATALOG NO.	PIPETTE UP TO	COLOR
F37911-1002	*2ml*	*Blue*
F37911-1010	*10ml*	*Green*
F37911-1025	*25ml*	*Red*

SHOP www.belart.com

Pipette Pump™ Pipettors



Four Sizes

Provides safe, accurate and trouble-free pipetting with simple, one-handed operation. Pipettes fit smoothly into its flexible tapered chuck. The thumbwheel on the side is rotated for precision filling or dispensing, and the plunger may be pressed for quick emptying. It is resistant to acids and alkalis. Disassemble all parts for cleaning and before autoclaving at 121°C (250°F) for 20 minutes except the chuck which should not be autoclaved. **Per each, 12 per case.**

PP A

CATALOG NO.	PIPETTE UP TO	COLOR
F37896-0000	0.2ml	Yellow
F37897-0000	2ml	Blue
F37898-0000	10ml	Green
F37899-0000	25ml	Red

Replacement Silicone Rubber Chuck and Washers for Pipette Pump™ Pipettors

FOR MODEL	PIPETTE CHUCK	WASHERS
F37896-0000	H93789-0060	H93789-0061 (sleeve)
F37897-0000	H93789-0070	H93789-0071 3/Set
F37898-0000	H93789-0080	H93789-0081 3/Set
F37899-0000	H93789-0090	H93789-0091 3/Set

Use Labmat™ Liners to Keep Benchtops Dry and Spill Free, See Page 153



Pipette Aid

Safe, Easy and Economical Pipetting

This pipette aid is used by squeezing, then releasing the bulb to draw fluid into the pipette. The pipette aid is then removed, and the pipette top quickly covered with a gloved finger to control and release fluid. The bulb is Vikem® vinyl with a tapered polyethylene chuck for quick removal when pipette is filled. Dimensions are 5cm diameter, 10cm height. **6 per pack, 2 packs per case.**

VIKEM® VINYL

CATALOG NO.
F37886-0000

SHOP www.belart.com

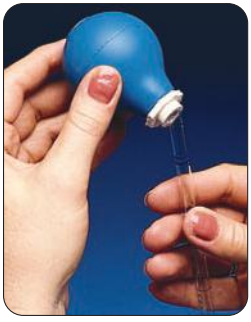
Bulb Pipettor



Keep Bulb with Reagent Bottle

A tapered, silicone rubber seal provides an airtight fit on all size pipettes. An excellent aspirator for use with Westergren or Wintrobe sedimentation tubes. Comes complete with an elastic cord for dedicating that pipettor to a specific reagent bottle. Can be opened, cleaned and steam autoclaved at 121°C (250°F). **Per each, 100 per case.**

CATALOG NO.
H37888-0000



Bel-Bulb™ Pipettor

Fits Pipettes from 6 to 8mm

This simple suction device with a soft tapered chuck has a flexible vinyl bulb that is 5cm diameter x 7cm long (2 x 2¾"). After filling your pipette, remove the bulb and quickly cover the top of the pipette with a gloved finger to hold fluid or release it as needed. **2 per pack, 6 packs per case.**

CATALOG NO.
F37887-0000

Pipette Filler



Simple Operation for Filling and Dispensing from Pipettes

Made of Vikem® vinyl, this pipette filler has greater chemical resistance than standard rubber bulbs and accommodates pipettes from 5 to 14mm in diameter. Three pinch valves are coded for use and are operated with one hand by pinching valve control pad “A” with your thumb and index finger while squeezing the bulb with three fingers and palm. The bulb will remain collapsed when pad “A” is released. Then, squeeze pad “S” to aspirate liquids into the pipette. Squeezing pad “E” will dispense liquid from the pipette. Diameter: 5.4cm (2⅛"). Overall length: 15.2cm (6").

CATALOG NO.
F37881-0001

SHOP www.belart.com

Vaccu-Pette/96™ Pipetting Device



Pipette All 96 Wells at Once

This pipetting device can aspirate or dispense 96 wells in less than 10 seconds. It speeds up repetitive washing, dispensing or aspirating of wells by working simultaneously. Simply connect a disposable plastic syringe and withdraw the plunger to transfer liquid. Excellent for simultaneously changing media or the addition/removal of reagents from a 96 well plate. Made of transparent plastic material, it has a vacuum outlet at one end, and a short length of 3.2mm I.D. (⅛") tubing is supplied for syringe connection. Requires a 30ml or larger disposable sterile syringe (not included). **Individually packed, available in Sterile/Disposable or Autoclavable/Reusable.**

Sterile, Disposable Vaccu-Pette/96™ Pipetting Device

Molded of clear, disposable plastic that can be used only once and cannot be autoclaved or gas sterilized. **Per each, 10 per case.**

CATALOG NO.	DIMENSIONS (L x W x H)
F37876-0000	*12.7 x 8.6 x 3.7cm (5 x 3⅜ x 1⅛")*

Autoclavable, Reusable Vaccu-Pette/96™ Pipetting Device

Molded of polycarbonate, must be sterilized by autoclaving prior to use in order to avoid contamination. It cannot be gas sterilized because of the possibility of residual trapped gases. **Per each, 10 per case.**

PC A

CATALOG NO.	DIMENSIONS (L x W x H)
F37876-0001	*12.7 x 8.6 x 3.7cm (5 x 3⅜ x 1⅛")*

NEW PRODUCT!

12 Channel Reagent Reservoir



Minimizing waste, this 12 Channel Reagent Reservoir's V-shaped wells allow complete sample withdrawal. Each channel holds 5ml and is numbered to facilitate serial dilution. Its chemical-resistant polypropylene construction can be used with single, 8 or 12 channel pipettors. A wide profile provides added stability and measures 12.7cm L x 5.8cm W (5" x 2¼"). Fitted lid included, autoclavable at 121°C (250°F). Individually sealed and sterilized. **8 per pack, 6 packs per case.**

PP A

CATALOG NO.	DIMENSIONS (L x W x H)
F37880-1200	*12.7 x 5.8 x 3.2cm (5 x 2¼ x 1¼")*

SHOP www.belart.com

Transpette™ 8 Channel Transfer Pipettor - Disposable



Perfect for Use With Disposable Pipetting Reservoir

Perform plate washing, media change and supernatant collection without the use of pipettors and pipette tips with this inexpensive, 8-channel transfer pipettor. Discard after "hot" radioactive uses to avoid radiation contamination of your expensive liquid handling devices. Made of translucent plastic, it holds 600µl per channel. *Cannot be autoclaved.* Sterile and non-sterile disposable pipetting reservoirs listed below. **Available Non-Sterile, 25 per pack or Sterile, individually packaged, 100 per pack.**

LDPE

CATALOG NO.	DESCRIPTION	QUANTITY
F37873-0000	*Non-Sterile Transpette™ Pipettor*	*25*
F37873-0001	*Sterile, Transpette™ Pipettor*	*100*



Pipetting Reservoir - Disposable

Economical and Disposable

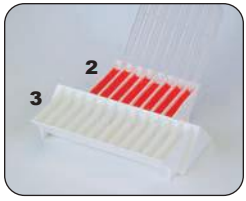
The pipetting reservoir has a 100ml capacity for extended multi-channel pipetting into microwell plates, Mini-Tubes, Cube 2ube® Tubes and deep well blocks. Allows ample clearance for all types of pipettors. 9.2 x 15.2 x 3.2cm H (3⅝" x 6" x 1¼"). **50 per pack.**

PS

CATALOG NO.	DESCRIPTION	QUANTITY
F37877-0000	*Bulk packed, non-sterile*	*50*
F37877-0001	*Individually packed, radiation sterilized*	*50*

"Three-In-One" Multi-channel Pipette Reservoir





One Reservoir, Three Layouts

Ideal for use when filling multi-tube blocks or microwell plates, this two-sided polypropylene reservoir is actually three reservoirs in one:

1. A graduated single reagent reservoir with graduations at 10, 25, 40 and 50ml.

And on the reverse side:

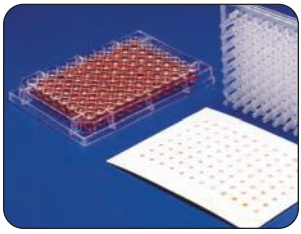
2. A reservoir with 8 separate 5ml (max. capacity) reagent channels.
3. A reservoir with 12 separate 5ml (max. capacity) reagent channels.

Each compartment of the multi-channel reservoirs is numbered for reagent identification. Suitable for use with all brands of multi-channel pipettors. Autoclavable and reusable. **10 per pack.**

PP A

CATALOG NO.
F37882-0000

SHOP www.belart.com



Bel-Blotter™ 96-Well Replicating Tool

Increase Productivity, Minimize Effort

Designed to do tedious tasks with a minimum of effort, the 96 open-ended pipette tips of this unique product fit all types of 96 well plates from flat, vee or round bottom plates to 0.2ml thin-walled PCR plates and tubes. Will pick up fluid up to 10µl per tip for placement onto filter paper, 96 wells plate or other receiving media. Can be used for replication of recombinant DNA libraries, inoculation of filters for colony hybridization, PCR, phage typing and other applications. Molded of polycarbonate, it is easy-to-use, reusable and autoclavable. **Per each, 10 per case.**

CATALOG NO.
F37876-0002

For Additional 96-Well Plate Accessories, See the Life Science Section on Pages 198-229



Pipettor Accuracy Test Kit

Provides a Quick and Simple Method of Testing Pipettors

Pipettors trusted to deliver precise microliter volumes should be checked for accuracy on a regular basis. This kit eliminates the time consuming alternative of using a balance and is ideal for all air displacement pipettors such as Rainin, Gilson, Eppendorf, SMI, Oxford, Clinicon, Brand, Finn, MLA and other brands. Consists of 2 soft vinyl adapters (a yellow one for volumes up to 100µl and a blue one for volumes from 200 to 1000µl), 25 each of five sizes of glass capillaries, and two glass pipettes for the higher volumes. All capillaries are color-coded and have a calibration line accuracy of ± .05mm. Packaged in a transparent plastic storage box with complete instructions for use. Not meant for certification of calibration.

Test Kit discontinued
Replacement Capillaries still available

Replacement Capillaries

CATALOG NO,	VOLUME	QUANTITY
F37870-0010	*10µl*	*250 Pcs*
F37870-0020	*20µl*	*250 Pcs*
F37870-0050	*50µl*	*250 Pcs*
F37870-0100	*100µl*	*250 Pcs*
F37870-0200	*200µl*	*125 Pcs*

SHOP www.belart.com

Cleanware™ Pipette Rinsing System

A. Pipette Jars

For Pipette Cleaning and Storage

Leakproof, polyethylene pipette jars store and soak pipettes and will withstand all common cleaning solutions at room temperature, including sulfuric acid/dichromate. Pipette Baskets (below), filled with pipettes, fit into the corresponding size jar. **Per each, 4 per case.**





LDPE

CATALOG NO.	DIAMETER	HEIGHT	HOLDS PIPETTE BASKET
F17130-0018	15.2cm (6")	46cm (18")	17106
F17130-0024	15.2cm (6")	61cm (24")	17107

B. Pipette Baskets

Avoid Costly Breakage

Pipette baskets have cut-out hand grips for easy handling. Gusher holes provide quick drainage when lifted from a soaking jar, and a foam disk on the bottom cushions pipette tips to prevent breakage. **Per each, 6 per case.**

LDPE

CATALOG NO.	FOR PIPETTES	DIAMETER	HEIGHT
H17106-0000	46cm (18")	10.2cm (4")	58cm (23")
H17107-0000	61cm (24")	10.2cm (4")	81cm (32")

C. Pipette Rinsers

Effective, Reliable Design Ensures Safe, Efficient Operation

Provides a simple, automatic method for rinsing large numbers of pipettes at one time. High level water entry provides an air gap between the maximum water level and the end of the water inlet tube ensuring safe and efficient operation. The “tube within a tube” siphoning system assures rapid, complete and automatic siphoning and refilling over a wide range of inlet water pressures and flow rates. Minimizes the danger of siphon stalling at certain water inflow rates and prevents any possible backflow into the potable water supply in the event of a pressure interruption. Includes a 30.5cm (12") long piece of 2.5cm (1") I.D. drain tube and 1.5M (5ft) of 12.5mm (½") I.D. flexible water inlet tube.

LDPE

CATALOG NO.	FOR PIPETTES	DIMENSIONS (W x H)	PIPETTE BASKET
F17131-0018	46cm (18")	25.2 x 64cm (9 9/10 x 25¼")	17106
F17131-0024	61cm (24")	25.2 x 79cm (9 9/10 x 31¼")	17107

Complete Cleanware™ Pipette Rinsing System

CATALOG NO.	DESCRIPTION
H17121-0000	Items A,B,C For Pipettes up to 46cm (18”)
H17122-0000	Items A,B,C For Pipettes up to 61cm (24”)

SHOP www.belart.com



Pipette Support Stand

Space Saving Storage

For safe and orderly storage of up to 28 pipettes. This polypropylene stand has a two-section top plate; one with 10 holes, 14mm in diameter, the other with 18 holes, 11mm in diameter. Holes in the lower plate are 4mm in diameter and support the tips of the pipettes as they are held in the stand. **Per each, 12 per case.**

CATALOG NO.	PLACES	DIMENSIONS (DIAM. x H)
F18955-0000	*28*	*17.8 x 17.8cm (7 x 7")*

Rotary Pipette Stand

Turn to the Pipette You Want

This unique stand holds up to of 94 pipettes and rotates on a central vertical axis for convenient selection. The lower rotating disc consists of four concentric troughs with tapered sides and open bottoms which cradle the tips protectively. The upper rotating disc has a grid pattern concentric with the bottom disc keeping the pipettes vertical. Liquid draining off the pipette tip is retained on top of the stationary base by the outer rim. A low center of gravity stabilizes the 48cm high (18¾") stand on the 23cm (9") diameter base. Rotating disks are 18cm (7⅛") diameter. Instructions for quick assembly included.



CATALOG NO.	PLACES	DIMENSIONS (DIAM. x H)
F18957-0000	*94*	*23 x 48cm (9 x 18¾")*



Pipette Tray Rack

Clutter-Free Pipette Storage in Your Lab Drawers

This styrene tray can be used in drawers or on the benchtop for storing pipettes and can also be used for soaking pipettes before cleaning. Scalloped rims hold 16 small or 7 large pipettes while the center support holds 12 short pipettes in a perpendicular direction. **Per each, 24 per case.**

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F18940-0000	*7/12*	*28.6 x 21.6 x 2.9cm (11¼ x 8½ x 1⅛")*

SHOP www.belart.com

Pipette Support Rack



Safe, Convenient Storage

Sturdy polypropylene rack holds 50 pipettes in a vertical 5 x 10 arrangement. Top and middle decks have 16 mm diameter holes; bottom deck holes are tapered from 16 mm to 6 mm diameter. Pipette tips will not contact table surface. End plates have handles for easy carrying. Steam autoclavable at 121ºC (250ºF). **Per each, 6 per case.**

PP A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F18953-0000	*50*	*21.3 x 11.4 x 22.2cm (8⅜ x 4½ x 8¾")*

Pipette Support Rack

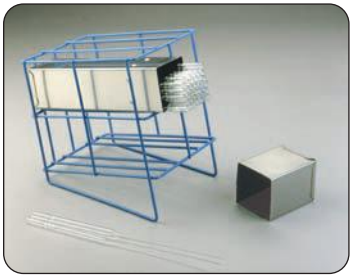


Supports Pipettes Horizontally without Pressure on Fragile Tips

Holds 12 volumetric or graduated pipettes 1ml and larger. The polyethylene support is 24.1cm x 17.8cm (9½ x 7") wide and 29.2cm (11½") high. There is 21.3cm (8⅜") between plates with a 1.9cm (¾") diameter carrying bar at the top. Supports pipettes longer than 22cm (8⅝").

LDPE

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
H18960-0000	*12*	*24.1 x 17.8 x 29.2cm (9½ x 7 x 11½")*



Pasteur Pipette Can Rack - Poxygrid®

Safely Store Disposable Pipettes within Easy Reach

For safe, convenient storage of Pasteur pipettes or transfer pipettes. Individual compartments store up to four pipette sterilization cans, each with dimensions of 5.7 x 5.7cm (2¼ x 2¼"). The durable, blue epoxy coated rack sits flat on the benchtop and supports pipettes at an angle to allow for easy selection and use. Steam autoclavable at 121ºC (250ºF). Pipette cans not included.

A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F18942-0000	*4*	*19 x 14 x 19.4cm (7½ x 5½ x 7⅝")*

SHOP www.belart.com



Universal Implement Stand

Keeps Rounded Items from Rolling off the Bench

Secure pipettes, stirring rods, burettes, thermometers, pencils, and more in this handy holder with semi-circular notches. The stand is especially useful as a sterile hood tool. Molded of polypropylene, the support is 8.3cm (3¼") diameter x 5.6cm (2$^{3}/_{16}$") high and is steam autoclavable at 121ºC (250ºF). **2 per pack, 12 packs per case.**

PP A

CATALOG NO.
F18973-0000

Automatic Self Zeroing Burettes



Accurate and Economical Liquid Dispensing

Borosilicate glass burettes have white 0.1ml graduations and are mounted to a high-density polyethylene screw cap. Squeezing the flexible polyethylene bottle forces liquid into the burette. Built in overflow automatically drains excess liquid back into reservoir. The glass stopcock has a 2mm bore. Large, stable plastic base can be detached from reservoir. Accuracy of burette is within 1% of total volume. Graduation accuracy is Class A. **Per each.**

HDPE

CATALOG NO	BURETTE CAPACITY	RESERVOIR CAPACITY	BASE DIAMETER	BURETTE HEIGHT
F37915-0510	*10ml*	*500ml*	*11.8cm (4⅝")*	*47cm (18½")*
F37915-0525	*25ml*	*500ml*	*11.8cm (4⅝")*	*60cm (23½")*
F37915-1010	*10ml*	*1000ml*	*13.7cm (5⅜")*	*47cm (18½")*
F37915-1025	*25ml*	*1000ml*	*13.7cm (5⅜")*	*60cm (23½")*



Automatic Burettes

Self Zeroing Glass Burettes

These burettes have easy to read blue graduations against a white background. The delivery end is fitted into a plastic push button stopcock which permits drop by drop delivery. A small screw clamp adjusts drop speed as needed for titration. A polyethylene filling tube extends from the top of the burette into the bottle reservoir. Bottle, screw cap and round base are polyethylene. Graduation accuracy is Class B. **Per each, 12 per case.**

PE

CATALOG NO	BURETTE CAPACITY	BOTTLE DIAMETER	DIVISIONS	RESERVOIR
H37918-0109	*10ml*	*7.62cm (3")*	*1/20*	*500ml*
H37918-0110	*15ml*	*7.62cm (3")*	*1/10*	*500ml*
H37918-0111	*25ml*	*7.62cm (3")*	*1/10*	*1000ml*
H37918-0112	*50ml*	*7.62cm (3")*	*1/10*	*1000ml*

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Pipettor Stand-6 Rack

Clear and Handy Pipettor Parking

Keep up to 6 pipettors at hand with this clear acrylic holder. Cutouts on two shelves hold and support the most popular pipettor models.



ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
F18961-0060	*30.5 x 12.7 x 24cm (12 x 5 x 9½")*



Stainless Steel Pipettor Stand

Made of stainless steel without any plastic coating, this universal rack holds all types of pipettors including the Gilson Pipetman®. It has five positions, a sloping back and open front notches to hold the pipettors. Suitable for free standing on a bench top.

STAINLESS STEEL

CATALOG NO.	DIMENSIONS (L x W x H)
H18962-0006	*22.9 x 14.6 x 19.7cm (9 x 5¾ x 7¾")*



Pipettor and Tip Storage Station

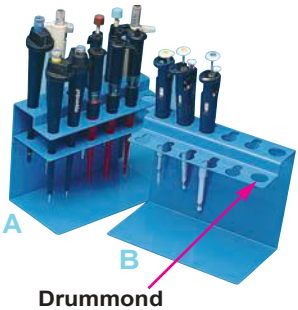
Keep Pipettors and Tips within Reach

The top rack stores up to six pipettors, and the three acrylic bins hold a generous supply of bulk pipette tips. White acrylic base, sides and top afford easy cleaning. Bin front and self closing lid are made from transparent acrylic for clear view of contents.

ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
F18961-9166	*24 x 42 x 16.5cm (9½ x 16½ x 6½")*

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Drummond
Pipette-Aid® hole

Microliter Pipettor Racks - Poxygrid®

Save Time and Money. No More Searching, Fumbling or Breakage.

Store your pipettors in neat, orderly rows. Racks protect pipettor tips and provide quick, easy access for more efficient work. Finnpipette®, Socorex®, Eppendorf® and other popular brands of pipettors are held in two rows for instant retrieval. Made of epoxy-coated aluminum.

A. Holds 10 round shaped pipettors in two stepped rows of 5 each. End holes are for Pipette-Aid® pipette filler. A second lower support row has smaller holes that accept the tapered ends of the pipettors to keep them vertical.

CATALOG NO.	DIMENSIONS (L x W x H)
H18962-0000	*22.9 x 12.7 x 17.1cm (9 x 5 x 6¾")*

B. Made exclusively to hold the Gilson Pipetman® which differs in external shape from the other types. Holds 10 pipettors plus all available Pipet-Aid® pipettes.

CATALOG NO.	DIMENSIONS (L x W x H)
H18962-0001	*22.9 x 12.7 x 17.1cm (9 x 5 x 6¾")*

For Wall Mounting

Made for wall mounting only, this rack has the same hole pattern as H18962-0001 (B). The back plate has two holes for screw attachment to the wall and double faced tape (included) on its lower edge. Designed for Gilson Pipetman® plus all available Pipet-Aid® pipettes.



CATALOG NO.	DIMENSIONS (L x W x H)
H18962-0002	*22.9 x 9.8 x 20.3cm (9 x 3⅞ x 8")*



With Extended Base

Having the same hole pattern as the H18962-0001(B) for Gilson Pipetman® and all available Pipet-Aid® pipettes, this rack has an extended base with a raised lip to hold plastic tip boxes. Suitable for wall mounting or for free standing on a bench.

CATALOG NO.	DIMENSIONS (L x W x H)
H18962-0004	*22.9 x 20 x 17.1cm (9 x 7⅞ x 6¾")*

SHOP www.belart.com



A. Triple Holder Clamp



B. Single Holder Clamp

28mm
(1")



C. Extender



D. Utility Tray

(Single Holder Clamps Sold Separately)





Pipettor Holder System - PiRack®

Mix and Match Components to Suit Your Needs

This polypropylene system is strong enough to support the weight of even the heaviest pipettor. Hold a single pipette with one clamp or add a triple clamp or extenders to increase the number of holders at a work location. The utility tray, which mounts between two clamps, is ideal for storing pipetting supplies or other small items. It is perfectly sized for Scienceware® No Wire™ Half Racks that hold tubes, vials, mini tubes and cuvettes (see page 295). Attach to any shelf or benchtop edge up to 2.54cm (1") thick using the large locking thumbscrew clamp. Supports many standard brands of pipettors. All components are chemical resistant and autoclavable at 121°C (250°F).

PP A

CATALOG NO.	DESCRIPTION
F18954-0000	*A Triple Holder Clamp (1 single holder clamp and 2 extenders)*
F18954-0001	*B Single Holder Clamps (2)*
F18954-0002	*C Extenders (4)*
F18954-0500	*D PiRack® Utility Tray*

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Holdfast® Graduated Cylinders

Grip Handle for Steady Pouring

This one-piece polypropylene cylinder with handle provides a secure, solid grip for safer pouring. The "Total Contained, Total Delivered" double scale is easy-to-read and accurate to +/-5%. A hexagonal base prevents tipping and rolling. Handle opening is 8.9 x 2.9cm (3 x 1⅛"). Chemically resistant and autoclavable at 121°C (250°F).



CATALOG NO.	CAPACITY	GRADUATION	HEIGHT	I.D.	O.D.
F28461-1000	1000ml	Every 10ml	17.3"	2.3"	2.5
F28461-2000	2000ml	Every 20ml	19.3"	3.3"	3.5

See Chemical Resistance Chart on Pages 428-430

Tall Form Graduated Pitchers - Polypropylene

Available in a large selection of sizes, these pitchers are ideal for general laboratory use and offer well designed spouts and large open handles for easy stacking. Chemical resistant and shatterproof, they can be used with wet or dry ingredients. Metric gradations are molded on the outside wall. Made of translucent polypropylene, they are heat resistant to 121°C (250°F) and are steam autoclavable.



CATALOG NO.	CAPACITY	CASE
F28989-0000	250ml	24
F28990-0000	500ml	24
F28991-0000	1000ml	24
F28992-0000	2000ml	12
F28993-0000	3000ml	12
F28994-0000	5000ml (5L)	6
F28995-0000	10,000ml (10L)	1

PITCHERS

SHOP www.belart.com



Tall Form Graduated Pitchers - Clear TPX®

Crystal clear and heat resistant to 177°C (350°F). **Per each, cases listed below.** PMP A

CATALOG NO.	CAPACITY	CASE
F28982-0000	500ml	24
F28983-0000	1000ml	24
F28984-0000	2000ml	12

Tall Form Graduated Pitchers - Additional Measurements

CAPACITY	GRADUATION	BOTTOM O.D.	TOP O.D.	OVERALL HEIGHT
250ml	Every 5ml	5.3cm (2")	6.2cm (2 1/16")	11.9cm
500ml	10ml	7.4cm (2 15/16")	8.1cm (3 3/16")	13.5cm
1000ml	10ml	9.4cm (3 11/16")	10.7cm (4 1/4")	16.4cm
2000ml	20ml	11.1cm (4 3/8")	12.7cm (5")	21.3cm
3000ml	50ml	12.2cm (4 13/16")	14.3cm (5 5/8")	26.4cm
5000ml	100ml	16.0cm (6 5/16")	17.5cm (6 1/8")	27.1cm
10000ml	200ml	22.2cm (8 11/16")	27.0cm (10 5/8")	32.0cm



Closed Spout Pouring Pitcher

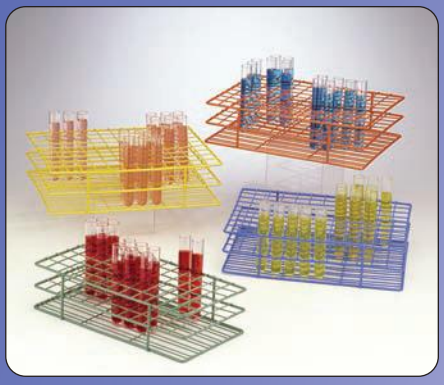
Safe, Easy Pouring

Rigid, lightweight pouring pitcher has generous fill opening and extended spout for safe, easy pouring. Half-dome top prevents splattering and spillage. Spout measures 21mm (0.83") I.D. and 25mm (1") O.D. Made from polypropylene, it is steam autoclavable at 121°C (250°F). Graduated in liters and ml as well as U.S. and Imperial quarts and fractions. **Per each, 6 per case.**

PP A

CATALOG NO.	CAPACITY	HEIGHT	DIAMETER
F28742-0000	2 liter	30cm (12˝)	13cm (5 1/8˝)

Use with Funnels, Large Industrial Tanks and Containers



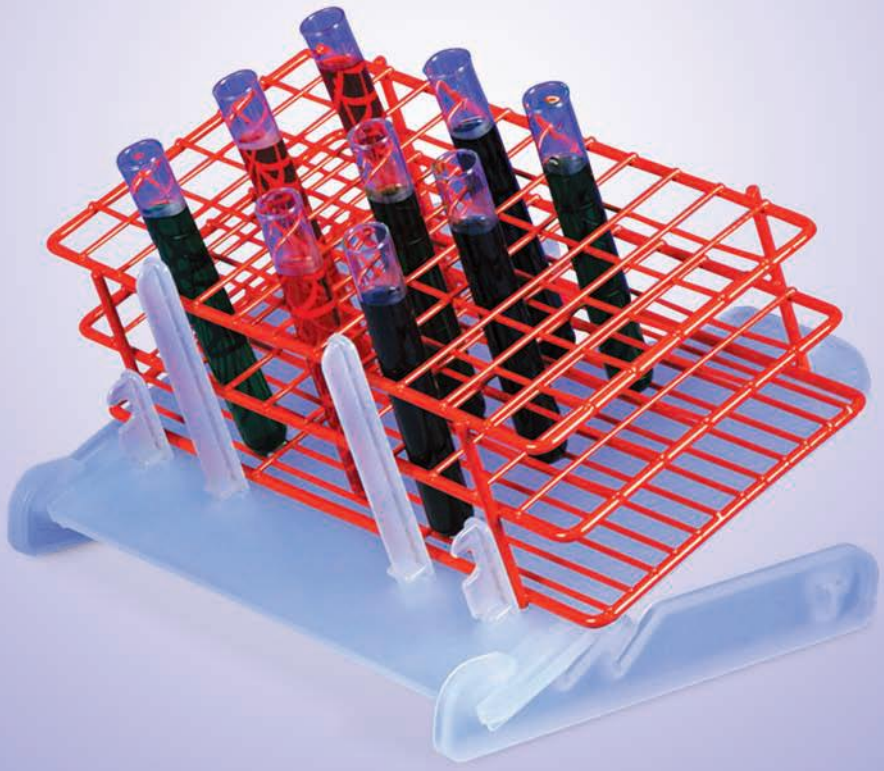
Wire Test Tube Racks - Poxygrid®
Get the Tube Size You Need in the Color You Want, Page 292



15 and 50ml Conical Tube Holder
Choose Your Tube Size; Always have a Full View of the Contents, Page 260



Cryo-Safe™ Coolers
Gel Filled Walls "Hold the Cold", Page 270



Rack Slanter

For Easier Access, Tilt Your Test Tubes to 25°, 35° or 45°, Page 299

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NEW PRODUCT!



15ml and 50ml Clear View Conical Tube Holder

Two Tube Holders in One

Patent Pending

The most versatile tube holder on the market. Set-up takes just seconds and gives you the choice of creating a 15ml or a 50ml tube holder. Unlike other tube holders, the open uprights allow you to view the entire contents of the tube. No more guessing if there is liquid remaining in the conical bottom. Tube can be easily lifted from the holder, or pinch the uprights and carry the holder with the tube! Autoclavable polypropylene. **4 per bag.**

PP A

CATALOG NO.	DESCRIPTION
F18796-0000	*15ml and 50ml Conical Tube Holder*

50ml Conical Tube Holders

Leave Hands Free for Pipetting and Other Critical Tasks



A. Non-Grip Style

Securely holds a 50ml conical centrifuge tube in place, and also allows the tube to be lifted freely from holder as needed. **5 per bag.**



B. Grip Style

Safely holds a 50ml tube in the base, which stays with the tube when it is lifted from the bench top. Tubes can easily be removed by holding the base and pulling the tube out. **5 per bag.**

PS

CATALOG NO.	DESCRIPTION	COLOR
F18795-0000	*Non-Grip style*	*White*
F18795-0001	*Grip style*	*Blue*

SHOP www.belart.com

Not sure of which size rack? See our "Tube Fit" Rack Selection Guide on page 445.

15ml Conical Tube Rack - Poxygrid®

Epoxy-coated steel wire rack holds 15 conical bottom 15ml centrifuge tubes. The rack is generously spaced for easy handling. Top and middle sections have 18mm square holes and are centered over rails in the base that hold the tips of the tubes. Steam autoclavable at 121°C (250°F). **Per each, 12 per case.**



A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F18722-0000	*15*	*12.7 x 8.3 x 7.6cm (5 x 3¼ x 3")*



50ml Centrifuge Tube Racks - Poxygrid®

50ml Multiple Tube Holders

Made of epoxy-coated steel wire, these racks hold up to thirty-six 50ml centrifuge tubes in holes 30mm square. Steam autoclavable at 121°C (250°F). **Per each, 12 per case.**

A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F18794-0000	*8*	*8 x 14.9 x 9.2cm (3⅛ x 5⅞ x 3⅝")*
F18794-0001	*16*	*15.6 x 14.9 x 9.2cm (6⅛ x 5⅞ x 3⅝")*
F18794-0002	*36*	*22.9 x 22.3 x 8.9cm (9 x 8⅞ x 3½")*

50ml Centrifuge Tube Rack - Poxygrid®

Heavy Gauge Steel Wire

This black epoxy-coated rack holds 30mm diameter or smaller centrifuge tubes in a 4 x 6 pattern, 24 tubes per rack. Rack is 7.9cm (3.1") high with four feet that raise the height an additional 2.1cm (0.81"). Steam autoclavable at 121°C (250°F).



A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F19858-0001	*24*	*21.3 x 15 x 10cm (8.4 x 5.9 x 3.9")*

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NEW PRODUCT!

50ml Tube Slant Rack - Poxygrid®



Angled rack is useful for keeping tube caps and marked contents easily readable, frequesntly used reagents at an ergonomic angle or draining excess supernatant fluid from pellets. Each rack holds eight 50ml conical tubes or other vessels up to 30mm in diameter. To keep samples off the bench but still immediately available, the rack can be attached to the underside of a shelf using built in mounting points (hardware not included). The steel wire is epoxy coated for long life and easy cleaning and can be steam autoclaved at 121°C (250°F)

A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F18794-0028	*8*	*15.2 x 12.1 x 12.1cm (6 x 4¾ x 4¾")*

250ml Centrifuge Tube Rack - Poxygrid®

Supports Conical and Round Bottom Centrifuge Tubes

Holds large conical and round-bottom centrifuge tubes that cannot stand up by themselves (such as Falcon®, Corning®, Nunc®, and Kimble®). The epoxy-coated steel wire rack is 10.2cm (4") high and has two levels of square grids to hold 6 tubes up to 250ml (60mm diameter). Steam autoclavable at 121°C (250°F).



A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F19856-0250	*6*	*20.8 x 13.5 x 10.2cm (8³⁄₁₆ x 5⁵⁄₁₆ x 4")*

NEW PRODUCT!



500ml Centrifuge Tube Rack - Poxygrid®

The only wire rack that holds 500ml conical centrifuge tubes. Support, transport and store up to four (4) 500ml conical bottom centrifuge tubes. Epoxy-coated steel wire. Steam autoclavable at 121°C (250°F).

A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F19856-0500	*4*	*20.3 x 20.3 x 7.6cm (8 x 8 x 3")*

SHOP www.belart.com

Incu-Shaker™ Tube Holder

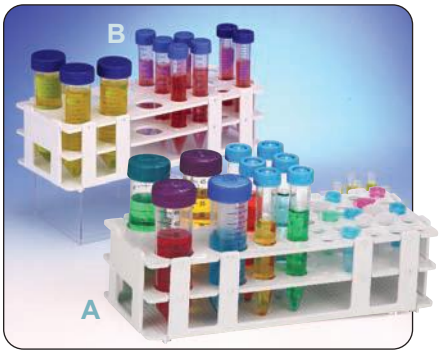


Useful Accessory for Benchtop or Floor Model Shaking Incubators

By positioning tubes at an angle, the liquid surface area increases permitting greater mixing action without increasing the rotational speed of the shaker. Securely holds a combination of up to 48 tubes, (eighteen 1.5 or 2ml, twelve 5ml, twelve 15ml and six 50ml). Made from polypropylene and steam autoclavable at 121°C (250°F), it easily secures to the platform of a shaker with included screws. Dimensions: 15.9cm (6¼") base diameter, 21cm (8¼") tube holder diameter, 12.7cm (5") height.

PP A

CATALOG NO.	DESCRIPTION
F18798-0000	*Holds (18) 1.5 or 2ml, (12) 5ml, (12) 15ml, and (6) 50ml Tubes*



Multi-Tube Racks - No-Wire™

Hold a Combination of Popular Size Centrifuge Tubes in One Rack

Choose from two space saving rack configurations, both styles accommodate round and conical bottom tubes. Made of white polypropylene, they are steam autoclavable at 121°C (250°F). Racks are shipped flat and assemble easily. Dimensions 24.6 x 10.4 x 6.4cm H (9 11/16 x 4 1/8 x 2 1/2" H). **Per each, 8 per case.**

PP A

CATALOG NO.	DESCRIPTION
F18745-3011	*A. Holds (4) 50ml, (7) 15ml, and (25) 1.5ml Centrifuge Tubes*
F18745-3017	*B. Holds (6) 50ml, and (12) 15ml Centrifuge Tubes*

Microcentrifuge Tube Racks - No-Wire™



Open Sided for Use in Ice

These white polypropylene racks are available in 2 popular grid sizes. Open sides make them adaptable for use in a tray of crushed ice. Dimensions are 12.8 x 10.5 x 4.3cm high (5.08 x 4.15 x 1.70"). Steam autoclavable at 121°C (250°F). **Per each, 8 per case.**

PP A

CATALOG NO.	HOLDS TUBES	PLACES	ROWS
F18838-0005	*0.5ml*	*63*	*7 x 9*
F18838-0015	*1.5ml*	*42*	*6 x 7*

Identify "Hot" Microcentrifuge Tubes with Scienceware® Radioactive Indicator Dots, See Page 193

SHOP www.belart.com



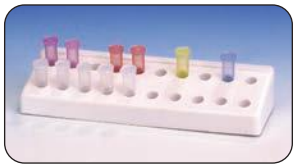
Micro Sample Test Tube Racks

Stackable

These polypropylene racks stack to conserve space. Each holds 72 micro sample tubes in 6 x 12 rows. Steam autoclavable at 121ºC (250ºF). **Per each, 4 per case.**

CATALOG NO.	HOLDS TUBES	HOLE DIAMETER	PLACES	TOP DECK HEIGHT	DIMENSIONS (L x W x H)
F18840-0000	400µl	6mm (.24")	72	57mm (2¼")	22.8 x 11.1 x 11.1cm (9 x 4⅜ x 4⅜")
F18841-0000	1.5ml	13mm (.51")	72	57mm (2¼")	21.3 x 11.1 x 11.1cm (8⅜ x 4⅜ x 4⅜")

Microcentrifuge Tube Rack



Tiered for Easy Access

This two-tier polypropylene rack holds twenty 1.5ml microcentrifuge tubes in numbered wells. Tubes are held with roughly 25mm (1") protruding above the rack surface for easy handling. Steam autoclavable at 121ºC (250ºF). **Per each, 6 per case.**

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)
F18843-0000	1.5ml	20	21 x 7 x 3.5cm (8¼ x 2¾ x 1⅜")



Connecting Microcentrifuge Tube Racks

Expandable Rack System for Multiple Functions

These lightweight racks each securely hold 24 microcentrifuge tubes, either 0.5 ml or 1.5 - 2.0ml and can be combined when multiple tube sizes are used. Locking clips firmly connect multiple racks together to form larger arrays that can be easily transported. Loaded or empty, all racks are stackable to maximize storage and to save benchtop space. Racks are molded of polycarbonate for durability, UV resistant and steam autoclavable at 121ºC (250ºF). Can be stored at temperatures down to -80ºC.





CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)
F18908-0005	0.5ml	24	4.8 x 26.8 x 6.4cm (1¾ x 10⅝ x 2½")
F18908-0015	1.5 - 2.0ml	24	4.8 x 26.8 x 6.4cm (1¾ x 10⅝ x 2½")

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Round Microcentrifuge Floating Bubble Racks



Incubate 8 to 20 Microtubes in Water Baths or Beakers

Made especially for use with beakers and waterbaths, these space-saving racks are ideal for small quantities of tubes and perfect for use in microbiology and immunology labs. They are molded of buoyant TPX® brand polymethylpentene with tiny bubbles throughout for additional buoyancy. Insert tubes from the top, and easily remove them by pressing the rack down on the bench. Available in 10.8mm diameter holes to fit 1.5ml microtubes and 7.7mm holes to fit 0.5ml tubes. Racks are 6.4mm (¼") thick with 19mm (¾") legs and a center, rod handle. Steam autoclavable at 121°C (250°F). Can boil at 100°C (212°F) for 30 minutes. **Per each, 12 per case.**

PMP A

CATALOG NO.	HOLDS TUBES	HOLE DIAMETER	PLACES	O.D.	FITS BEAKER
F18875-0400	1.5ml	10.8mm (1/16")	8	6.6cm (2⅝")	400ml
F18875-1000	1.5ml	10.8mm (1/16")	20	9.5cm (3¾")	1000ml
F18875-1600	0.5ml	7.7mm (5/16")	20	9.5cm (3¾")	1000ml



Round Microcentrifuge Floating Racks

Perfectly Sized for Beakers

Tubes remain completely immersed in a beaker while tops rest above the rack. Unload by lightly pressing down against the bench until the legs touch, releasing the tubes. Molded of steam autoclavable polypropylene, the racks fit 400ml or 1000ml beakers. 10.8mm holes for 1.5ml microtubes. Racks are 6.4mm (¼") thick with 19mm (¾") long legs and a center handle. **4 per bag, 4 bags per case.**

PP A

CATALOG NO.	HOLDS TUBES	HOLE DIAMETER	PLACES	O.D.	FITS BEAKER
F18875-6401	1.5ml	10.8mm (1/16")	8	6.6cm (2⅝")	400ml
F18875-6411	1.5ml	10.8mm (1/16")	20	9.5cm (3¾")	1000ml

SHOP www.belart.com



Round Microcentrifuge Floating Bubble Racks with Hold-Down Disk

Hold-Down Disk Maintains Constant Pressure on Tube Caps

Specifically designed for incubation, this rack includes a hold-down disk that maintains a constant pressure on tube caps, preventing them from opening under internal air expansion. The 4.8mm (3/16") thick polypropylene disk is centrally mounted on a threaded handle. The racks float, and 1.5ml microcentrifuge tubes remain immersed at a constant depth regardless of water level. The foam-filled TPX® PMP (polymethylpentene) rack, polypropylene cover plate and handle are steam autoclavable at 121°C (250°F). Racks have 19mm (¾") long legs. **Per each, 6 per case.**

PP PMP A

CATALOG NO.	HOLDS TUBES	HOLE DIAMETER	PLACES	O.D.	FITS BEAKER
F37084-0008	1.5ml	10.8mm (7/16")	8	6.6cm (2⅝")	400ml
F37084-0020	1.5ml	10.8mm (7/16")	20	9.5cm (3¾")	1000ml

Microcentrifuge Floating Rack



Compact and Economical

Incubate up to twenty-four 1.5ml microcentrifuge tubes in a water bath. Easy to load, the microtubes are held snugly and then released when the rack is pressed down on a benchtop. Dimensions are 11.9 x 7.8cm (4 11/16 x 3 1/16"). **4 per bag, 6 bags per case.**

PP A

CATALOG NO.	HOLDS TUBES	HOLE DIAMETER
F18876-0000	1.5ml	10.8mm (7/16")



Floating Rack for Cryotubes

This 20 place polypropylene round floating rack fits most cryotubes and holds them tightly in a circular pattern formed by 12 outer and 8 inner openings. Excellent for holding cryotubes during work or incubation, the rack floats in water and can also be used for quickly thawing frozen cells in a 37°C water bath. Tubes are easily removed by pushing the rack down against the bench until the legs touch. The autoclavable rack is 6.4mm (¼") thick, 95mm (3¾") in diameter with 19mm (¾") long legs and a center handle.

PP A

CATALOG NO.	PLACES
F18876-0020	20

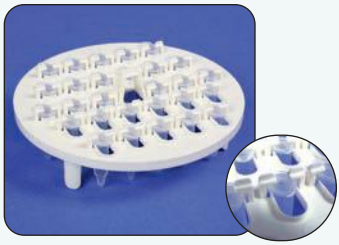
Use with Vortexer for Agitation and Mixing

SHOP www.belart.com

NEW PRODUCT!







PrepSafe™ Floating Microcentrifuge Tube Rack

Patent Pending

Protect your samples from loss and contamination. Hold 1.5ml or 2.0ml microcentrifuge tubes securely in a water bath, in an ice bucket, or on the benchtop. Immobilizing tabs allow tubes to be stored securely and ensure that the caps stay locked in place even if tipped over. This floating rack has 28 numbered locations so samples can be easily identified. Raised handle allows rack to be lifted without agitating samples. Steam autoclavable at 121ºC (250ºF).

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (DIAM. x H)
F18742-0001	*1.5/2.0ml*	*28*	*17.8cm (7") x 6.4cm (2½")*

50ml Centrifuge Tube Refrigerator Racks



Heavy Duty, Deep Tray

This all-polypropylene rack provides efficient and extended cooling of twenty-eight 50ml centrifuge tubes in a chilled bath. It holds approximately 2 liters (67 ounces) of ice and water and allows the tubes to rest on the bottom for maximum stability and exposure to the bath. A flat perimeter rim provides space for labeling tape. Steam autoclavable at 121ºC (250ºF) and stackable with identical racks when full or empty. An optional polypropylene cover is available to protect tubes during transport or storage while maintaining stackability. Dimensions: 32 x 20 x 15cm H (12¾ x 7⅞ x 5⅞" H).

CATALOG NO.	DESCRIPTION
F18905-0050	*Rack*
F18905-0051	*Rack Cover*

SHOP www.belart.com



Microcentrifuge Tube Ice Rack/Tray

For Temperature Stabilized Benchtop Storage

This tray with rack insert can accommodate up to fifty 1.5ml tubes (or other tubes with a diameter less than 12mm) for large volume benchtop processing. It has a deep tray to hold ice and water for extended use time, a flat perimeter rim for labeling tape, and it can be safely stacked with identical racks when loaded or empty. Designed for long life and heavy usage, all parts are molded of sturdy polypropylene and are steam autoclavable at 121ºC (250ºF). To further protect tubes during transport or storage while also maintaining stackability, an optional polypropylene cover is available. Dimensions: 25.4 x 13.3 x 7.3cm H (9⅛ x 5¼ x 2⅞" H). **Per each.**

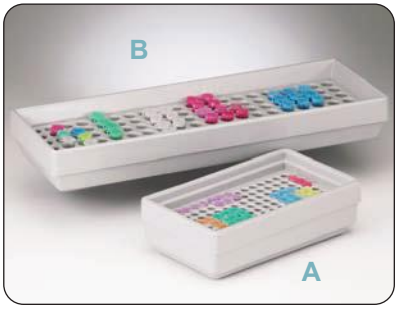
PP A

CATALOG NO.	DESCRIPTION	CASE
H18905-0001	*Rack*	*12*
F18905-0011	*Rack Cover*	*N/A*

Microcentrifuge Tube Ice Racks

For Temperature Stabilized Benchtop Procedures or Storage

These two piece racks are molded of high-impact polystyrene with a lower section tray that holds water or ice flakes.



A. Holds 105, 400µL microcentrifuge tubes or other tubes with a diameter of 8 mm. Stackable. **Per each, 12 per case.**

PS

CATALOG NO.	DIMENSIONS (L x W x H)
H18901-0000	*21.6 X 12.4 X 6.7cm (8½ X 4⅞ X 2⅝")*

B. Holds 120, 1.5ml microcentrifuge tubes or other tubes with a diameter under 12mm. Not stackable. **Per each, 12 per case.**

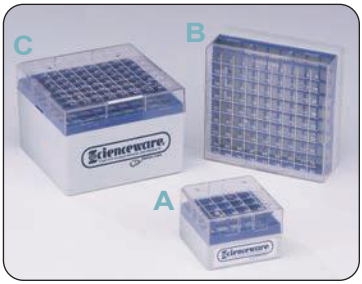
PS

CATALOG NO.	DIMENSIONS (L x W x H)
H18907-0000	*40.6 x 14.3 x 5.7cm (16 x 5⅝ x 2¼")*

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Cryo-Safe™ Vial Storage Boxes

Clear Covers to See Contents without Opening Lid



Durable polycarbonate boxes are ideal for compact storage of 1.2, 2.0 or 5.0ml cryogenic vials. They can be used in temperatures ranging from -196°C to +121°C. Clear lids can be written on with permanent markers and have a printed grid for easy inventory. A keyed corner aligns the lid with identifying numbers on the rack. Also useful as mailers for vials. F18849-0001 can be used with F18853 series Cryo Tower Storage Systems (below) to save valuable bench space. **Per pack, 6 packs per case.**

CATALOG NO.	FOR VIALS	PLACES	DIMENSIONS (L x W x H)	PATTERN	PACK
A. F18849-0000	1.2 - 2.0ml	25	7.6 x 7.6 x 5.1cm (3 x 3 x 2")	5 x 5	8
B. F18849-0001	1.2 - 2.0ml	81	13.3 x 13.3 x 5.1cm (5¼ x 5¼ x 2")	9 x 9	4
C. F18849-0002	5.0ml	81	13.3 x 13.3 x 9.5cm (5¼ x 5¼ x 3¾")	9 x 9	4



Cryo Tower Storage Systems

Save Space, Keep Convenience with Vertical Stacking Towers

These polycarbonate storage towers are ideal for benchtop or incubator use, transportation, freezer and general purpose storage. A 15 x 15cm (6 x 6") footprint saves valuable bench space. Available in 4 and 8 level configurations, both towers accommodate Cryo-Safe™ Vial Storage Box F18849-0001 (sold separately above). Autoclavable at 121°C (250°F).

CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
F18853-0004	4 Level	15 x 15 x 30cm (6 x 6 x 11 13/16")
F18853-0008	8 Level	15 x 15 x 59cm (6 x 6 x 23¼")

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"Hold the Cold" Cryo-Safe™ Coolers



"Hold the Cold" without a Mess! Use in transit and on the bench, cooler walls are filled with a non-toxic gel that does not come in contact with contents of cooler.



-20ºC Cryo-Safe™ Mini Cooler

Lasts 1 Hour - 0.5, 1.5 or 2.0ml Tubes

This small cooler safely holds twelve 0.5, 1.5 or 2.0ml microcentrifuge tubes or cryogenic vials at a temperature below -15ºC for approximately 1 hour. The polycarbonate cooler body is filled with a non-toxic gel which cannot contact tubes, ensuring that markings and labels on tubes are safe. A clear polycarbonate lid shows positions of tubes and is keyed to correspond with positions printed on the cooler. Molded side handles allow secure grip for transfer. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Ideal for protecting valuable samples stored in a freezer with defrost cycle. Use included insert to hold 0.5ml microcentrifuge tubes. Store at -20ºC for 24 hours prior to use.

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-0020	0.5, 1.5 or 2.0ml	12	15.1 x 10.8 x 12.5cm (5 15/16 x 4 1/4 x 1 15/16")	0.7Kg (1.5lb)



0ºC Cryo-Safe™ Mini Cooler

Lasts 2½ Hours - 0.5 or 1.5ml Tubes

Benchtop sized cooler holds twelve 0.5 or 1.5ml microcentrifuge tubes at a temperature below 0ºC for approximately 2½ hours. The polycarbonate cooler body is filled with a non-toxic gel which cannot contact tubes, ensuring that markings and labels on tubes are safe. A clear polycarbonate lid shows positions of tubes and is keyed to correspond with positions printed on cooler. Molded side handles allow secure grip for transfer. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Use included insert to hold 0.5ml microcentrifuge tubes. Ideal for protecting valuable samples stored in a freezer with defrost cycle.
Store at -20ºC for a few hours until the temperature of the cooler falls below 0ºC.

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L X W x H)	WEIGHT
F18846-0000	0.5, 1.5ml	12	15.1 x 10.8 x 12.5cm (5 15/16 x 4 1/4 x 1 15/16")	0.7Kg (1.5lb)

0ºC Cryo-Safe™ Junior Cooler



Lasts 3 Hours - 15ml Tubes

Benchtop sized cooler holds twelve 15ml centrifuge or cryo vials at a temperature below 0ºC for approximately 3 hours. The polycarbonate cooler body is filled with a non-toxic gel which cannot contact tubes, ensuring that markings and labels on tubes are safe. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Tubes up to 125mm tall can be accommodated when the clear polycarbonate lid is secured closed with the built-in wire carrying handle. Corresponding tube positions are printed on the keyed lid and cooler. Store at -20ºC for a few hours until the temperature of the cooler falls below 0ºC.

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-1000	*15ml*	*12*	*19.7 x 14 x 19cm (7¾ x 5½ x 7½")*	*1.6Kg (3.5lb)*

-20ºC Cryo-Safe™ Maxi Cooler



Lasts 1½ Hours - 0.5, 1.5 or 2.0ml Tubes

This cooler safely holds thirty-two 0.5, 1.5 or 2.0ml microcentrifuge tubes or cryogenic vials at a temperature below -15ºC for approximately 1½ hours. The polycarbonate cooler body is filled with a non-toxic gel, which can not contact tubes, ensuring that markings and labels on tubes are safe. The gel-filled polycarbonate lid extends temperature holding time and is secured closed with a built-in wire carrying handle. Corresponding tube positions are printed on the keyed lid and near each well. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Use included insert to hold 0.5ml microcentrifuge tubes. Ideal for protecting valuable samples stored in a freezer with defrost cycle. Store at -20ºC for 24 hours prior to use.

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-2020	*0.5, 1.5 or 2.0ml*	*32*	*24.3 x 15.7 x 14.6cm (9½ x 6⅛ x 5¾")*	*2Kg (4.5lb)*

0ºC Cryo-Safe™ Maxi Cooler



Lasts 3 Hours - 0.5 or 1.5ml Tubes

Benchtop sized cooler holds thirty-two 0.5 or 1.5ml microcentrifuge tubes at a temperature below 0ºC for approximately 3 hours. The polycarbonate cooler body is filled with a non-toxic gel, which cannot contact tubes, ensuring that markings and labels on tubes are safe. The gel-filled white polycarbonate lid extends temperature holding time and is secured closed with the built-in wire carrying handle. Corresponding tube positions are printed on the keyed lid and near each well. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Use included insert to hold 0.5ml microcentrifuge tubes. Ideal for protecting valuable samples stored in a freezer with defrost cycle.
Store at -20ºC for a few hours until the temperature of the cooler falls below 0ºC.

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-2000	*0.5 or 1.5ml*	*32*	*24.3 x 15.7 x 14.6cm (9½ x 6⅛ x 5¾")*	*2Kg (4.5lb)*

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Cryo-Safe™ Mini Quick-Freeze Cooler

Portable, Quick Freezing for 0.5 or 1.5ml Tubes

Can be used for up to 45 minutes to rapidly and repeatedly chill biological samples for use in molecular biology. Applications such as ethanol precipitation of DNA/RNA samples are made easy, eliminating the inconvenience of traditional dry ice and alcohol baths. After storing the polycarbonate cooler overnight at -20ºC, inserted samples freeze within a few minutes. Holds twelve 0.5 or 1.5ml micro-centrifuge tubes. There is no direct contact between the tubes and the insulating solution, so labels and markings are safe. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. A clear polycarbonate lid shows positions of tubes and is keyed to correspond with positions printed on cooler. Molded side handles allow secure grip for transfer. Use included insert to hold 0.5ml microcentrifuge tubes. Store at -20ºC for 24 hours prior to use.

PC

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-0010	0.5 or 1.5ml	12	15.1 x 10.8 x 12.5cm (5 15/16 x 4 1/4 x 1 15/16")	0.7Kg (1.5lb)

Cryo-Safe™ -1ºC Freeze Controller



The easy-to-use unit provides "controlled rate" freezing samples at approximately -1°C per minute, which is needed to prevent lethal intracellular freezing and successful cryopreservation. Prior to inserting vials, the unit should be filled with 250ml of 100% isopropyl alcohol. Once the samples have been inserted the unit should be placed in a -80°C mechanical freezer. The body of the container is clear polycarbonate, and the screw closure is high-density polyethylene. Placed inside the container is an 18 well, removable polyethylene vial holder that separates the vials from the isopropyl alcohol. A plastic foam insert surrounds the vial holder. Alcohol filled containers can be stored at room temperature. Universal symbols printed on the container show instructions for use.

PC PE HDPE

CATALOG NO.	HOLDS VIALS	PLACES	CONTAINER I.D.	CLOSURE O.D.
F18844-0000	1.0 or 1.8ml	18	11.2 Dia. x 7.2cmH (4.4 x 2.8")	12.4cm (4.9")



Cryo-Safe™ Cold Box

Prevents Expensive Enzymes and Critical Samples from Warming

Molded polystyrene container, with cover, has an internal 12-place support for 1.5 ml microcentrifuge tubes. The space surrounding the tubes is filled with a sealed-in material that maintains the low temperature required for safe storage and transport. When taken out of a -20ºC freezer it will maintain a -15ºC temperature for 1½ hours, and will remain below 0ºC for 4 hours. **Per each, 8 per case.**

PS

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)
F18847-0002	1.5ml	12	11.7 x 11.7 x 7.1cm (4.6 x 4.6 x 2.8")

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Not sure of which size rack? See our "Tube Fit" Rack Selection Guide on page 445.

Spectro Cuvette Rack



This polypropylene rack holds twenty 10mm light path spectrophotometer cuvettes in two tiers with numbered wells. The wells hold standard cuvettes with a 12.5mm cross-section. A sloped top makes the second tier more accessible. Steam autoclavable at 121°C (250°F). **Per each, 6 per case.**

PP A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F18515-0000	*20*	*21 x 7 x 3.5cm (8¼ x 2¾ x 1⅜")*



Cuvette Rack - No-Wire™

Easily Assembled

All-polypropylene rack provides gentle no-scratch support for fragile and expensive spectrophotometer cuvettes. Forty-two 10mm light path cuvettes fit in this 6 x 7 row layout. Steam autoclavable at 121°C (250°F). **Per each, 8 per case.**

PP A

CATALOG NO.	PLACES	ROWS	DIMENSIONS (L x W x H)
F18520-0000	*42*	*6 x 7*	*12.8 x 10.5 x 4.3cm (5.1 x 4.1 x 1.7")*

Cuvette Racks

Hold Fragile Spectrophotometer Cuvettes in Complete Safety



These racks support cuvettes with a minimum of physical contact, greatly reducing the chance of damage. Only the corners of the cuvettes touch the racks. The two tier racks accommodate 12 cuvettes of 10mm light path and will not scratch quartz cuvettes. Made of polypropylene, which is steam autoclavable at 121°C (250°F). **Per each, 6 per case.**

PP A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
A. F18516-0000	*12*	*11.7 x 10.8 x 11.1cm (4⅝ x 4¼ x 4⅜")*

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
B. F18516-0787	*12*	*11.4 x 11.1 x 11.1cm (4¼ x 4⅜ x 4⅜")*
Features Stack Rack™ interlocking end plates for secure stacking.		

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NEW PRODUCT!



60mm Petri Dish Rack

Portable Rack Holds up to 54 Dishes

This rack is useful for safe transport and incubation of 60mm Petri dishes and helps to streamline benchtop sample processing. Each rack has six columns and holds up to fifty-four Petri dishes with lids.The 10½ x 6¾" base area preserves benchtop space, and a large center divider has space for labeling and includes a carrying handle that does not interfere with samples. Up to four racks can be stacked together and interlocked to prevent accidental knock over. Finger access slots in the base allow a stack of dishes to be safely removed from the rack with a secure grip. Rack base is epoxy coated steel, and all other parts are made of white polypropylene. Steam autoclavable at 121°C (250°F). Racks are shipped flat and easily assemble in minutes.

CATALOG NO.	# OF DISHES	DIMENSIONS (L x W x H)
F18991-0060	54	26.7 x 17.1 x 17.1cm (10½ x 6¾ x 6¾")



60mm Contact Plate/Petri Dish Rack - Poxygrid®



Organize and Safely Hold Samples

Durable blue epoxy-coated steel wire racks hold 30 or 10 contact plates with lids (72mm maximum diameter) (RODAC®, Becton Dickinson). Useful for transport, incubation and storage of contact plates and convenient organization. Racks are steam autoclavable at 121°C (250°F).

CATALOG NO.	# OF PLATES	COLUMNS	DIMENSIONS (L x W x H)
F18979-0003	10	1	8.2 x 8.2 x 14cm (3¼ x 3¼ x 5½")
F18979-0002	30	3	8.2 x 24.6 x 14cm (3¼ x 9⅝ x 5½")



72mm Contact Plate Rack

Safely Transports Sixty Plates

Safely transport, incubate and store up to 60 contact plates with lids up to 72mm diameter (RODAC®, Becton Dickinson) and streamline benchtop sample processing. Rack is configured in 6 columns with bottom access slots for easy removal of plates from the rack. Center divider has a built-in handle and ample space for labeling. Racks interlock for safe stacking up to four high. Made from polypropylene, rack is autoclavable at 121°C (250°F). Quick assembly.

CATALOG NO.	# OF PLATES	DIMENSIONS (L x W x H)
F18990-0000	60	26.6 x 16.5 x 17.8cm (10½ x 6½ x 7")

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Easyplate™ 100mm Petri Dish Racks



Remove and Insert Multiple Dishes at Once

Easyplate™ 100mm Petri Dish Racks

Perfect for Use in an Incubator

Increase workspace and efficiently transport large quantity of Petri dishes. Silicone holding strips on the rack's four columns grip each Petri dish and enable the user to easily insert and remove groups of dishes without disturbing upper or lower dishes. Labels on the sides of the rack provide space for critical sample identification. Available in 4 colors and two sizes; the 24.13cm (9½") high size holds forty-eight 100mm Petri dishes, and the 36.83cm (14½") high size holds eighty-four 100mm Petri dishes. Made of lightweight, chemically resistant polycarbonate and autoclavable at 121°C (250°F). Turntable (F18982-1000) sold separately below.

CATALOG NO.	COLOR	HEIGHT
F18982-0014	Natural	37cm (14½")
F18982-0314	Blue	37cm (14½")
F18982-0009	Natural	24cm (9½")
F18982-0109	Red	24cm (9½")
F18982-0209	Yellow	24cm (9½")
F18982-0309	Blue	24cm (9½")
F18982-0409	Natural, Red, Yellow, Blue	24cm (9½")

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100mm Petri Dish Dispensing Racks - Poxygrid®

Epoxy Coated Steel Wire

Petri dishes are easily dispensed one at a time from the bottom of the stack. Each column holds twenty 10cm x 2cm (nominal size) plastic Petri dishes per stack, which are loaded at the top and dispensed at the bottom. The rack tilts toward the rear for convenient presentation of dishes. Not suitable for glass Petri dishes.

A

CATALOG NO.	# OF DISHES	COLUMNS	DIMENSIONS (L x W x H)
F18978-0001	14	1	14.5 x 10.8 x 28cm (5¾ x 4¼ x 11")
F18979-0001	60	3	14.5 x 32 x 28cm (5¾ x 12¾ x 11")

100mm Petri Dish Carrying Racks - Poxygrid®

Choose from Two Models

These epoxy coated steel wire racks hold 100mm x 20mm plastic Petri dishes and are easily loaded and emptied from the top. The wide front openings permit easy access but prevent dishes from sliding out. Not suitable for glass Petri dishes.



A

CATALOG NO.	# OF DISHES	COLUMNS	DIMENSIONS (L x W x H)
H18978-0000	20	1	10.8 x 10.8 x 35.6cm (4¼ x 4¼ x 14")
H18979-0000	42	3	34.3 x 10.8 x 30.5cm (13½ x 4¼ x 12")



100ml Petri Dish Mini Rack - Poxygrid®

Organize and Safely Hold Six, 100mm Dishes

The Petri Dish Mini Rack helps keep benchtops neat and organized. Each epoxy-coated steel wire rack conveniently holds six 100mm Petri dishes with lids. The rack is ideal for lab transport and incubation of dishes. Durable rack is steam autoclavable at 121°C (250°F).

A

CATALOG NO.	# OF DISHES	DIMENSIONS (L x W x H)
F18979-0006	6	13 x 8.5 x 12cm (5¼ x 3¼ x 4¾")

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100mm Petri Dish Rack - White Polypropylene

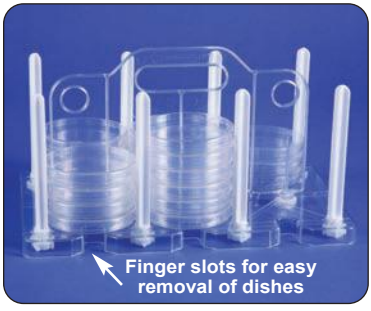
Safely Transports Forty-Two Dishes



Safely transports, incubates and stores 100mm Petri dishes and helps to streamline benchtop sample processing. Holds up to forty-two Petri dishes with lids, configured in six columns of seven plates. Access slots allow safe removal of plates from the rack. Up to four racks can be stacked together and interlocked to prevent accidental knock over, and a small, stable base preserves bench top space. Center divider provides space for labeling and incorporates a handle that does not interfere with the samples. Made from white polypropylene and can be steam autoclaved at 121ºC (250ºF). Racks are shipped flat and are easily assembled.

PP A

CATALOG NO.	# OF DISHES	DIMENSIONS (L x W x H)
F18991-0000	42	33 x 21 x 17.8cm (13 x 8¼ x 7")



100mm Petri Dish Rack - Clear TPX® Body

Maximize Incubator Space

TPX® rack with polypropylene posts securely holds up to fifty-four 100mm Petri dishes. Easily viewed through the clear base and divider, dishes can be removed with one hand. Built-in finger grip handle provides easy transport, and rubber feet help prevent rack from sliding on the bench top. Racks are shipped flat and can be assembled in minutes.

A PMP PP

CATALOG NO.	# OF DISHES	DIMENSIONS (L x W x H)
F18985-0100	54	34 x 20 x 23cm (13½ x 8 x 9¼")

Adjustable Petri Dish Dispenser Rack

Adjusts to Hold a Variety of Dish Sizes

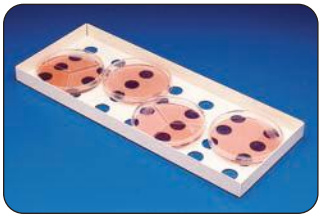


This adjustable dispenser neatly and safely holds 15 Petri dishes up to 10.2cm (4") diameter. Made of rugged ABS plastic, it slides open at the base for easy refilling. The rack is 8.9cm (3½") wide, extends from 12.7cm (5") to 21cm (8¼") long and is 21cm (8¼") high.

ABS PLASTIC

CATALOG NO.	DESCRIPTION
F18982-0002	Holds Fifteen, 65mm to 100mm Petri Dishes With Lids

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Petri Dish Incubation Tray

Organize Your Incubator

Petri dish incubator tray holds 100mm (4") Petri dishes securely on an incubator rack. It is an excellent aid for keeping cell cultures organized and has 28 holes in the bottom, 19mm (¾") in diameter, to allow air passage. Made from 1.6mm (1/16") thick, white epoxy-coated steel. Steam autoclavable at 121ºC (250ºF) for 15-20 min.

CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
F18983-0000	*White, epoxy-coated Steel*	*34.9 x 13.7 x 2.2cm (13¾ x 5⅜ x ⅞")*

Stackable Petri Dish Incubation Tray



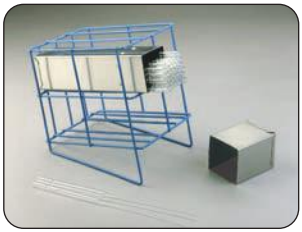
Increases overall capacity of your incubator by holding five 100mm diameter or fifteen 60mm diameter Petri dishes. Each polypropylene tray includes two large label areas for critical sample identification by marker or label and holes in the tray bottom to facilitate air flow. *Not recommended above 100ºC (212ºF). Autoclaving may warp. Can be disinfected with 70% ethanol or common laboratory disinfectants.*

3 per pack, 4 packs per case.

CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
F18983-1000	*Polypropylene*	*25.1 x 23.7 x 3.5cm (9⅞ x 9 5/16 x 1⅜")*

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Pasteur Pipette Can Rack - Poxygrid®

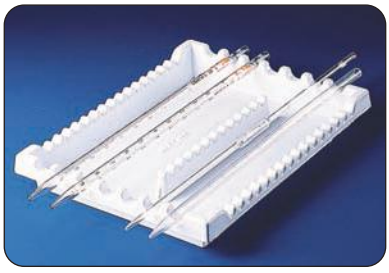


Safely Store Disposable Pipettes within Easy Reach

For safe, convenient storage of Pasteur pipettes or transfer pipettes. Individual compartments store up to four pipette sterilization cans, each with dimensions of 5.7 x 5.7cm (2¼ x 2¼"). The durable, blue epoxy coated rack sits flat on the benchtop and supports pipettes at an angle to allow for easy selection and use. Steam autoclavable at 121°C (250°F). Pipette cans not included.

A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F18942-0000	*4*	*19 x 14 x 19.4cm (7½ x 5½ x 7⅝")*



Pipette Tray Rack

Clutter-Free Pipette Storage in Your Lab Drawers

This styrene tray can be used in drawers or on the benchtop for storing pipettes and can also be used for soaking pipettes before cleaning. Scalloped rims hold 16 small or 7 large pipettes while the center support holds 12 short pipettes in a perpendicular direction. **Per each, 24 per case.**

PS

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F18940-0000	*7/12*	*28.6 x 21.6 x 2.9cm (11¼ x 8½ x 1⅛")*

Pipette Support Rack



Supports Pipettes Horizontally without Pressure on Fragile Tips

Holds 12 volumetric or graduated pipettes 1ml and larger. The polyethylene support is 24.1cm x 17.8cm (9½ x 7") wide and 29.2cm (11½") high. There is 21.3cm (8⅜") between plates with a 1.9cm (¾") diameter carrying bar at the top. Supports pipettes longer than 22cm (8⅝").

LDPE

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
H18960-0000	*12*	*24.1 x 17.8 x 29.2cm (9½ x 7 x 11½")*

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Pipette Support Rack

Safe, Convenient Storage

Sturdy polypropylene rack holds 50 pipettes in a vertical 5 x 10 arrangement. Top and middle decks have 16 mm diameter holes; bottom deck holes are tapered from 16 mm to 6 mm diameter. Pipette tips will not contact table surface. End plates have handles for easy carrying. Steam autoclavable at 121ºC (250ºF). **Per each, 6 per case.**

PP A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F18953-0000	*50*	*21.3 x 11.4 x 22.2cm (8⅜ x 4½ x 8¾")*

Rotary Pipette Stand

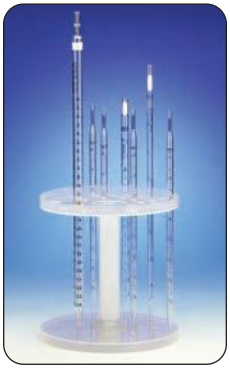
Turn to the Pipette You Want

This unique stand holds up to of 94 pipettes and rotates on a central vertical axis for convenient selection. The lower rotating disc consists of four concentric troughs with tapered sides and open bottoms which cradle the tips protectively. The upper rotating disc has a grid pattern concentric with the bottom disc keeping the pipettes vertical. Liquid draining off the pipette tip is retained on top of the stationary base by the outer rim. A low center of gravity stabilizes the 48cm high (18¾") stand on the 23cm (9") diameter base. Rotating disks are 18cm (7⅛") diameter. Instructions for quick assembly included.



PP PVC

CATALOG NO.	PLACES	DIMENSIONS (DIAM. x H)
F18957-0000	*94*	*23 x 48cm (9 x 18¾")*



Pipette Support Stand

Space Saving Storage

For safe and orderly storage of up to 28 pipettes. This polypropylene stand has a two-section top plate; one with 10 holes, 14mm in diameter, the other with 18 holes, 11mm in diameter. Holes in the lower plate are 4mm in diameter and support the tips of the pipettes as they are held in the stand. **Per each, 12 per case.**

PP A

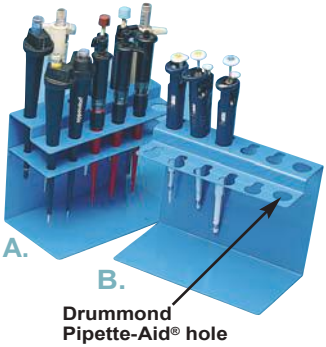
CATALOG NO.	PLACES	DIMENSIONS (DIAM. x H)
F18955-0000	*28*	*17.8 x 17.8cm (7 x 7")*

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Microliter Pipettor Racks - Poxygrid®

Save Time and Money. No More Searching, Fumbling or Breakage.

Store your pipettors in neat, orderly rows. Racks protect pipettor tips and provide quick, easy access for more efficient work. Finnpipette®, Socorex®, Eppendorf® and other popular brands of pipettors are held in two rows for instant retrieval. Made of epoxy-coated aluminum.



A. Holds 10 round shaped pipettors in two stepped rows of 5 each. End holes are for Pipette-Aid® pipette filler. A second lower support row has smaller holes that accept the tapered ends of the pipettors to keep them vertical.

CATALOG NO.	DIMENSIONS (L x W x H)
H18962-0000	*22.9 x 12.7 x 17.1cm (9 x 5 x 6¾")*

B. Made exclusively to hold the Gilson Pipetman® which differs in external shape from the other types. Holds 10 pipettors plus all available Pipet-Aid® pipettes.

CATALOG NO.	DIMENSIONS (L x W x H)
H18962-0001	*22.9 x 12.7 x 17.1cm (9 x 5 x 6¾")*



For Wall Mounting

Made for wall mounting only, this rack has the same hole pattern as H18962-0001 (**B**). The back plate has two holes for screw attachment to the wall and double faced tape (included) on its lower edge. Designed for Gilson Pipetman® plus all available Pipet-Aid® pipettes.

CATALOG NO.	DIMENSIONS (L x W x H)
H18962-0002	*22.9 x 9.8 x 20.3cm (9 x 3⅞ x 8")*

With Extended Base

Having the same hole pattern as the H18962-0001(B) for Gilson Pipetman® and all available Pipet-Aid® pipettes, this rack has an extended base with a raised lip to hold plastic tip boxes. Suitable for wall mounting or for free standing on a bench.



CATALOG NO.	DIMENSIONS (L x W x H)
H18962-0004	*22.9 x 20 x 17.1cm (9 x 7⅞ x 6¾")*

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Pipettor Stand-6 Rack

Clear and Handy Pipettor Parking

Keep up to 6 pipettors at hand with this clear acrylic holder. Cutouts on two shelves hold and support the most popular pipettor models.

ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
F18961-0060	30.5 x 12.7 x 24cm (12 x 5 x 9½")

Stainless Steel Pipettor Stand

Made of stainless steel without any plastic coating, this universal rack holds all types of pipettors including the Gilson Pipetman®. It has five positions, a sloping back and open front notches to hold the pipettors. Suitable for free standing on a bench top.



STAINLESS STEEL

CATALOG NO.	DIMENSIONS (L x W x H)
H18962-0006	22.9 x 14.6 x 19.7cm (9 x 5¾ x 7¾")

PiRack® Pipettor Holder



A. Triple Holder Clamp



B. Single Holder Clamp



28mm (1")

C. Extender





D. Utility Tray (Single Holder Clamps Sold Separately)

This polypropylene system is strong enough to support the weight of even the heaviest pipettor. Hold a single pipettor with one clamp or add a triple clamp or extenders to increase the number of holders at a work location. The utility tray, which mounts between two clamps, is ideal for storing pipetting supplies or other small items. It is perfectly sized for No Wire™ Half Racks (see page 279). Attach to any 2.54cm (1") thick shelf or benchtop edge using the large locking thumbscrew clamp. Supports many standard brands of pipettors. All components are chemical resistant and autoclavable at 121°C (250°F).

PP A

CATALOG NO.	DESCRIPTION
F18954-0000	A Triple Holder Clamp (1 single holder clamp and 2 extenders)
F18954-0001	B Single Holder Clamps (2)
F18954-0002	C Extenders (4)
F18954-0500	D PiRack® Utility Tray

SHOP www.belart.com

Not sure of which size rack? See our "Tube Fit" Rack Selection Guide on page 445.

Bottle and Vial Racks - No-Wire™

Autoclavable, Sizes to Fit Most Small Vials and Bottles

Small enough to hold in one hand and enough choices to accommodate most vials and small bottles. Polypropylene rack is offered in 5 grid configurations. Dimensions: 12.8 x 10.5 x 4.3cm H (5.08 x 4.15 x 1.70"). **Per each, 8 per case.**



PP A

CATALOG NO.	HOLDS	HOLE SIZE	PLACES	ROWS
F18514-0013	13mm vials, bottles	13.38mm	42	6 x 7
F18514-0016	16mm vials, bottles	16.38mm	30	5 x 6
F18514-0020	20mm vials, bottles	20.37mm	20	4 x 5
F18514-0025	25mm vials, bottles	25.40mm	12	3 x 4
F18514-0030	30mm vials, bottles	30.48mm	6	2 x 3



B.O.D. Bottle Carrier

Tall Handle for Easy Carrying

Polypropylene carrier holds eight standard 300ml Biological Oxygen Demand bottles. Carrier is 33 x 17 x 7cm (13⅛ x 6¾ x 2⅝") high, with a 9cm (3⅝") tall handle for easy carrying. Openings are 7.2cm diameter (2.8"). Steam autoclavable at 121°C (250°F). **2 per box.**

PP A

CATALOG NO.	DIMENSIONS (L X W X H)
F16968-0000	33 x 17 x 7cm (13⅛ x 6¾ x 2⅝")

B.O.D. Bottle Rack - Poxygrid®

Stackable Storage

These racks have 12 places (3 x 4 rows) for 300ml Biological Oxygen Demand Bottles. Made from epoxy coated steel wire, they are stackable for storage or refrigeration allowing 16.7cm (6⅝") between racks. Autoclavable at 121°C (250°F). **Per each, 6 per case.**



A

CATALOG NO.	DIMENSIONS (L x W x H)
F16969-0012	33.8 x 24.8 x 18.4cm (13⅜ x 9¾ x 7¼")

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NEW PRODUCT!



Patent Pending





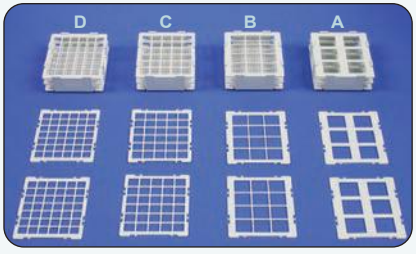
Adjustable Elution Racks

Perform as many as 42 elutions in one rack, saving valuable bench space. Eliminate the time and space consuming set-up of multiple support rods and stands with this rack that simultaneously supports both elution columns and collection tubes. The height of the rack can be quickly adjusted to accommodate various length elution columns. Conversion kits are available to adapt any of these racks to fit a variety of tube sizes (13mm, 16mm, 25mm and 30mm). Steam autoclavable at 121°C (250°F).

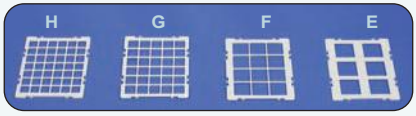
CATALOG NO.	DESCRIPTION	PLACES
F18882-0001	*Adjustable Elution Rack, 13mm*	*42*
F18882-0002	*Adjustable Elution Rack, 16mm*	*30*
F18882-0003	*Adjustable Elution Rack, 25mm*	*12*
F18882-0004	*Adjustable Elution Rack, 30mm*	*6*

Adjustable Elution Rack Accessories

Conversion Kits



Single Replacement Grids



Conversion Kits

CATALOG NO.	GRID FITS TUBE	PLACES
A. F18882-0005	*13mm*	*42*
B. F18882-0006	*16mm*	*30*
C. F18882-0007	*25mm*	*12*
D. F18882-0008	*30mm*	*6*

Single Replacement Grids

CATALOG NO.	GRID FITS TUBE	PLACES
E. F91888-2013	*13mm*	*42*
F. F91888-2016	*16mm*	*30*
G. F91888-2025	*25mm*	*12*
H. F91888-2030	*30mm*	*6*

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Electrode Rack

Store and Condition Electrodes

Handy rack holds 8 test tubes for storing and conditioning pH and ion electrodes. The polypropylene rack resists chemical attack and is autoclavable at 121° C (250° F). Holds two rows of 4 tubes up to 20mm in diameter.



PP A

CATALOG NO.	DIMENSIONS (L x W x H)
H18509-0000	*10.8 x 6 x 12.1cm (4¼ x 2⅜ x 4¾")*



NEW PRODUCT!

Round Bottom Flask Carrier - Poxygrid®

Securely Transport Flasks

The only epoxy-coated wire rack that can hold four round bottom flasks ranging in size from 100ml to 500ml. Height-adjustable polypropylene clips secure the necks of a wide variety of flasks. 25.4cm x 25.4cm footprint, 23.5cm high (10" x 10" x 9¼" H). Steam autoclavable at 121°C (250°F).

A

CATALOG NO.	DESCRIPTION
F16951-0002	*Poxygrid® Round Bottom Flask Carrier with Clips*
F16951-0004	*Round Bottom Flask Carrier Replacement Clips*

SHOP www.belart.com



Hybridization Bottle Rack - Poxygrid®

Protects and Stores Hybridizing Bottles

Heavy-duty rack protects your expensive bottles keeping them from rolling, tipping and striking against one another. Holds 150mm and 300mm long bottles with ample space in between to allow for the screw cap diameter and provide convenient handling. Made of welded steel rods, this rack is epoxy-coated for maximum protection, easy cleaning, and is steam autoclavable at 121ºC (250ºF). Holes are 42mm square for 40mm diameter bottles.

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F16964-0006	6	13.7 x 19.8 x 13cm (5⅜ x 7 13/16 x 5⅛")

Hydrometer Racks



Safe Storage for Glass Hydrometers

Protect fragile glass hydrometers by storing them in this 18-place polypropylene rack. The middle and top plates have 25mm (1") diameter holes. The bottom plate is 44mm (1¾") high and has wells tapering from 25mm to 9mm (1 to ⅜") to hold the hydrometer bulb. The base is 21 x 21.6cm (8¼ x 8½") for tip-proof stability. Overall height: 25.1cm (9⅞") with handles. Steam autoclavable at 121ºC (250ºF). **Per each, 6 per case.**

CATALOG NO.	DESCRIPTION
F18988-0000	For Long Hydrometers, Top plate is 17.8cm H (7" H)
F18988-0001	For Short Hydrometers, Top plate is 14.3cm H (5⅝" H)



Imhoff Cone Racks - Poxygrid®

These lightweight racks hold three or four Imhoff settling cones in a single row for clearer viewing. Cone tips are held up off the benchtop for easier viewing and to allow plug removal if required. The wire frames are epoxy coated for durability and easy cleaning. A wide base provides stability without crowding the benchtop. For full description of Imhoff Cones see page 144.

CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
F38993-0003	Poxygrid® Imhoff Cone Rack, 3 places	44.5 x 17.1 x 40.6cm (17½ x 6¾ x 16")
F38993-0004	Poxygrid® Imhoff Cone Rack, 4 places	57.7 x 17.1 x 40.6cm (22¾ x 6¾ x 16")
H38990-0000	Imhoff Settling Cone	

NEW PRODUCT!

Separatory Funnel Rack and Imhoff Cone

Chemical Resistant and Fully Adjustable

This high-density polyethylene rack holds four separatory funnels up to 98mm (3⅞") in diameter on its center shelf. Four beakers fit on the bottom shelf and four long-stem funnels on the top shelf. Set screws in the base risers allow vertical adjustment of telescoping rods, while set screws in the center shelf permit adjustment for accommodating separatory funnels of various lengths. Included are 24 insert clips that allow rack to accommodate different sized Separatory Funnels and Imhoff Cones. Fully extended, the rack measures 20.3 x 48.9 x 50.8cm (8 x 19¼ x 20") high. Four feet extend from the base for stability and have holes for permanent mounting.

Additional Separatory Funnel Rack available on page 288.

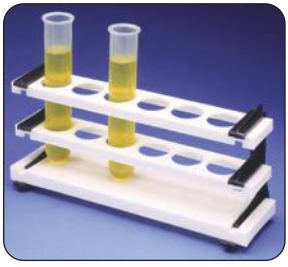




Insert Clip

HDPE

CATALOG NO.	DESCRIPTION
H18967-0000	*Imhoff Cone and Separatory Funnel Rack*
H18967-0002	*12 Replacement Insert Clips*



Nessler Tube Rack

White polypropylene rack has six places, 27mm diameter to hold 50ml tubes. Top to bottom deck height is 10cm (4") with the flat bottom deck providing a reflective surface for tubes. Steam autoclavable, easy snap together assembly. **Per each, 6 per case.**

PP A

CATALOG NO.	HOLDS TUBES	DIMENSIONS (L x W x H)
F18986-0050	*50ml*	*30 x 9.5 x 14cm (11¾ x 3¾ x 5½")*

NMR Sample Tube Rack

Protect Thin-Walled NMR Tubes

Sturdy, stable polypropylene rack is made specifically for Nuclear Magnetic Resonance tubes. Lower deck has hemispherical wells to cradle tubes, and handles in the end plates make transport easy. 21 x 11 x 22cmH (8⅜ x 4½ x 8¾").

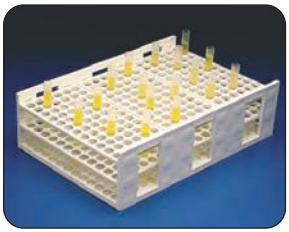


PP A

CATALOG NO.	TUBE SIZE	PLACES
F18854-0005	*5mm O.D. x 178mm long*	*72*

SHOP www.belart.com

Not sure of which size rack? See our "Tube Fit" Rack Selection Guide on page 445.



Radioimmunoassay Tube Racks

Organize over 100 Samples in One Rack

These polypropylene racks provide a practical method of pipetting and storing a large number of samples. By using alternate rows and rotating the tubes, it is easy to keep track of the last tube filled. Also useful in clinical labs for storage of samples. Steam autoclavable at 121°C (250°F). **Per each, 6 per case.**

PP A

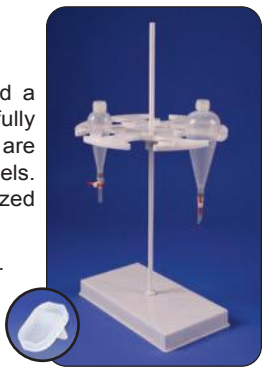
CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	TOP DECK HEIGHT
F18870-0000	10-13mm	216	34.2 x 23 x 7.6cm (13½ x 9⁹⁄₁₆ x 3")	57mm (2¼")
F18871-0000	13-16mm	120	33.5 x 26 x 8.9cm (13¼ x 10¼ x 3½")	71mm (2¹³⁄₁₆")
F18872-0000	16-20mm	120	33.5 x 26 x 8.9cm (13¼ x 10¼ x 3½")	71mm (2¹³⁄₁₆")

Rotary Separatory Funnel Rack

Fully Adjustable Support Disc

This rack consists of a rectangular base, screw-in column and a support disc held in place by a screw clamp. The support disc is fully adjustable for different heights up to 21". Support holes for funnels are open front type for easy removal and placement of separatory funnels. Included are 18 insert clips used to accommodate different sized Separatory Funnels. Shipped unassembled.

Additional Imhoff Cone and Separatory Funnel Rack on page 287.



PP HDPE

CATALOG NO.	FOR FUNNELS	PLACES	DIMENSIONS (DIAM X H)
H18964-0000	500/1000cc	6	35 x 53cm (13¾ x 21")
H18967-0002	12 Replacement Insert Clips		



Scintillation Vial Rack

For Start to Finish Sample Preparation

This rugged and stable rack holds 24 scintillation vials (30mm diameter) for convenient storage, handling, and sample preparation. Made of corrosion-resistant, autoclavable polypropylene. Shelf height: 4.4cm (1¾"). **Per each, 4 per case.**

PP A

CATALOG NO.	PLACES	DIMENSIONS (L x W x H)
F18512-0000	24	29.8 x 12.7 x 9.5cm (11¾ x 5 x 3¾")

SHOP www.belart.com

Serum Vial Racks



Designed to Withstand Elevated Water Temperatures for Incubation

Just the right size for serum vials (10-13mm diameter), RIA vials and T3/T4 reaction vials (13-16 and 16-20mm diameter). Long-lasting and corrosion-resistant, these polypropylene racks fit most water baths for elevated temperature incubations. Top shelf height is 41mm (1⅝"). End plates have handles. Steam autoclavable at 121ºC (250ºF)

PP A

CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)
F18513-0072	10-13mm	72	23.8 x 11.1 x 8.9cm (9⅜ x 4⅜ x 3½")
F18513-1640	13-16mm	40	25.4 x 11.1 x 8.9cm (10 x 4⅜ x 3½")
F18513-2040	16-20mm	40	25.4 x 11.1 x 8.9cm (10 x 4⅜ x 3½")

NEW PRODUCT!



Standards Bottle Rack

Organize Valuable USP™ Reference Standards

- Use in Secador® 1.0 - 4.0 desiccators for low humidity storage
- Clear acrylic construction for easy viewing of labels
- Stores thirty 23mm standards bottles in a compact footprint

ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
F18513-2300	33 x 11 x 2.2cm (13 x 3⅜ x ⅞")

NEW PRODUCT!

Lattice Support Stand



Expand Your Options in the Laboratory

The Lattice Support Stand has an extended base and three, evenly spaced, rigid aluminum support rods to provide maximum capacity of small lightweight items such as glassware, as well as heavy items such as mechanical stirrers. The weighted polypropylene base is excellent for use in severe corrosive conditions, is stain resistant and provides maximum stability. The three solid aluminum rods are securely screwed into the base and will not wear with everyday use of clamps. Horizontal rods sold separately (below). Ideal for use with Bel-Art Clamps (H18354-0000, H18350-0000 pages 58 and 62).

PP

CATALOG NO.	DESCRIPTION
F38994-0000	Lattice Support Stand
F38994-0100	Aluminum Horizontal Rod, 72.5 x 1.25cm (28½ x ½")

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Tissue Culture Flask Racks

Improve Organization

These polypropylene racks hold 25cm², 75cm² (50 - 75ml or 250 - 260ml) or similar sized tissue culture flasks in a vertical position. Rectangular holes in the top and center plates stabilize the flasks preventing tipping. Allows easy organization of flasks to improve processing and to avoid errors in collecting used media, media change, washing of cell monolayer, trypsinization and seeding of cells. Grips on each end make rack handling secure and allow for safe transport of flasks to the incubator. Steam autoclavable at 121ºC (250ºF). **Per each, 4 per case.**

PP A

CATALOG NO.	FITS FLASK	# OF FLASKS	DIMENSIONS (L x W x H)
F18970-0001	*25cm2 75ml*	*12*	*23 x 13.7 x 10.7cm (9.1 x 5.4 x 4.2")*
F18970-0002	*75cm2 260ml*	*5*	*29.7 x 12.5 x 13.2cm (11.7 x 4.9 x 5")*

Thermometer Rack

Safely Holds up to 25 Thermometers

This polypropylene rack holds up to 25 thermometers in correct vertical position to prevent separation which may occur when thermometers are stored improperly. Hole diameters in the top and middle plates are 7.9mm (5/16") while the bottom plate has 3.2mm (1/8") diameter drain holes. The distance between top and bottom plates is 10.5cm (4 1/8"). Steam autoclavable at 121ºC (250ºF). **Per each, 6 per case.**



PP A

CATALOG NO.	DIMENSIONS (L X W X H)
F18981-0001	*14.9 x 21.3 x 25.1cm (5 7/8 x 8 3/8 x 9 7/8")*

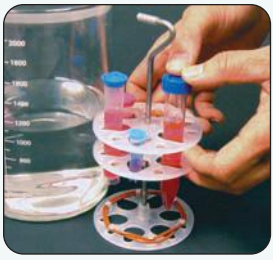
Vacu-Rack



This polypropylene rack holds 143 vacuum-type syringe tubes: 80 tubes 12.7mm (½") O.D. and 63 tubes 16mm (⅝") O.D. up to 102mm (4") long. Tubes are suspended in channels by colored stoppers providing instant visual identification. One or two channels may be left open for stacking blood samples in sequential order as they are taken, for later numbering. Three large holes for needle holders make this a complete blood drawing accessory. Steam autoclavable at 121ºC (250º F).

CATALOG NO.	DIMENSIONS (L x W x H)
H18977-0000	*48.3 x 15.2 x 21.6cm (19 x 6 x 8½")*

NEW PRODUCT!



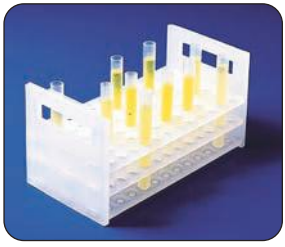
Height Adjustable Water Bath Rack

For 1.5 to 15ml Tubes

Use the Height-Adjustable Rack to securely hold up to six tubes or vials at any desired depth in a water bath or beaker. The rack has a flexible grip that easily retains mixed test tubes of varying weight and volume from 1.5 to 15ml. Unlike floating racks, this rack's adjustable height prevents submersion and sinking problems that might occur with heavier or unbalanced tubes. The compact yet stable footprint saves bench and bath space and lifts in and out of a bath without splashing. All parts are steam autoclavable at 121ºC (250ºF).

CATALOG NO.
F18882-0000

Water Bath Racks



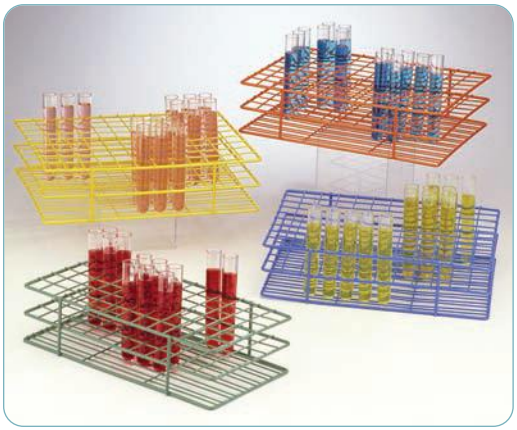
Submersible, Sinks without Adding Weight

Molded of a special blend of polypropylene that is heavier than water, these racks sink to the bottom of the bath and will not tip over. All racks are 21.3L x 11cmW (8⅜ x 4⁵⁄₁₆"). Steam autoclavable at 121ºC (250ºF). **Per each, 6 per case.**

CATALOG NO.	HOLDS TUBES	PLACES	ROWS	HEIGHT	HEIGHT TOP DECK
F18863-0001	*10-13mm*	*72*	*6 x 12*	*11.1cm (4⅜")*	*5.7cm (2¼")*
F18864-0001	*13-16mm*	*50*	*5 x 10*	*11.1cm (4⅜")*	*5.7cm (2¼")*
F18867-0001	*27-30mm*	*15*	*3 x 5*	*12.7cm (5")*	*7cm (2¾")*

SHOP www.belart.com

Not sure of which size rack? See our “Tube Fit” Rack Selection Guide on page 445.



Test Tube Racks - Poxygrid®

Choice of Four Colors and Multiple Sizes

Chemical and corrosion-resistant steel wire racks are coated with heat-cured epoxy. Epoxy coatings are unaffected by organic solvents, salts, weak acids and weak alkalis, will withstand a temperature range of -223°C (-369°F) to 121°C (250°F) and can be autoclaved. All racks have square holes, three decks, a slotted grid bottom and reinforced edges. Orange racks can be used for biohazard warning, yellow for radioactive warning. **Per each, 24 per case.**

Order by color suffix for complete catalog numbers.

CATALOG NO	GREEN	BLUE	YELLOW	ORANGE
F18750 -	0000	0001	0002	0003
F18753 -	0000	0001	not available	0003
F18754 -	0000	0001	not available	not available
F18755 -	0000	0001	0002	0003
F18757 -	0000	0001	0002	0003
F18759 -	0000	0001	0002	0003
F18762 -	0000	0001	0002	0003
F18764 -	0000	0001	not available	not available
F18767 -	0000	0001	not available	not available
F18772 -	0000	0001	0002	0003
F18773 -	0000	0001	0002	0003

CATALOG NO	HOLDS TUBES	PLACES	ROWS	DIMENSIONS (L x W x H)
F18750	10-13mm	72	6 x 12	20.5 x 11.3 x 6.4cm (8 1/16 x 4 1/16 x 2 1/2")
F18753	10-13mm	108	9 x 12	20.5 x 16.4 x 6.4cm (8 1/16 x 6 1/16 x 2 1/2")
F18754	15-16mm	40	4 x 10	20.3 x 9.2 x 6.4cm (8 x 3 5/8 x 2 1/2")
F18755	15-16mm	48	4 x 12	24.2 x 9.2 x 6.4cm (9 1/2 x 3 5/8 x 2 1/2")
F18757	15-16mm	72	6 x 12	24.2 x 13 x 6.4cm (9 1/2 x 5 1/8 x 2 1/2")
F18759	15-16mm	108	9 x 12	24.2 x 18.9 x 6.4cm (9 1/2 x 7 1/16 x 2 1/2)
F18762	18-20mm	40	4 x 10	24.3 x 11 x 8.3cm (9 9/16 x 4 1/4 x 3 1/4")
F18764	18-20mm	80	8 x 10	24.3 x 20.3 x 8.3cm (9 9/16 x 8 x 3 1/4")
F18767	20-24mm	40	4 x 10	26.3 x 11.6 x 8.3cm (10 3/8 x 4 9/16 x 3 1/4")
F18772	22-25mm	40	4 x 10	29.3 x 12.8 x 8.3cm (11 1/16 x 5 1/16 x 3 1/4")
F18773	22-25mm	80	8 x 10	29.3 x 24.2 x 8.3cm (11 1/16 x 9 9/16 x 3 1/4")

Custom Racks Made to Order, Call 1-800-4BEL-ART.

"Half-Size" Test Tube Racks - Poxygrid®

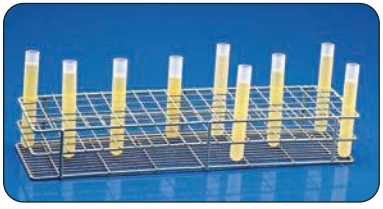


When Space Is Limited…Use Half-Size Racks

Excellent space-savers for use in water baths, laminar flow hoods, fume hoods or any place where space is limited. Epoxy coated in choice of three colors: orange for biohazard warning, green and blue for general lab use. **Per each, 24 per case.**

A

CATALOG NO.	COLOR	HOLDS TUBES	PLACES	ROWS	DIMENSIONS (L x W x H)
F18788-1300	Green	10-13mm	36	6 x 6	11.3 x 10.7 x 6.4cm (4 7/16 x 4 3/16 x 2 1/2")
F18788-1301	Blue	10-13mm	36	6 x 6	11.3 x 10.7 x 6.4cm (4 7/16 x 4 3/16 x 2 1/2")
F18788-1600	Green	15-16mm	24	6 x 4	12.5 x 9.9 x 6.4cm (4 15/16 x 3 5/8 x 2 1/2")
F18788-1601	Blue	15-16mm	24	6 x 4	12.5 x 9.9 x 6.4cm (4 15/16 x 3 5/8 x 2 1/2")
F18788-1603	Orange	15-16mm	24	6 x 4	12.5 x 9.9 x 6.4cm (4 15/16 x 3 5/8 x 2 1/2")
F18788-2000	Green	18-20mm	20	5 x 4	12.5 x 10.8 x 6.4cm (4 15/16 x 4 1/4 x 2 1/2")
F18788-2001	Blue	18-20mm	20	5 x 4	12.5 x 10.8 x 6.4cm (4 15/16 x 4 1/4 x 2 1/2")
F18788-2003	Orange	18-20mm	20	5 x 4	12.5 x 10.8 x 6.4cm (4 15/16 x 4 1/4 x 2 1/2")



"Rack And A Half" - Poxygrid®

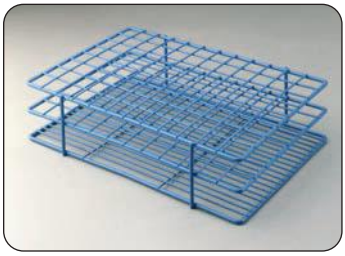
For High Volume Work

High quality epoxy-coated wire racks in convenient extra-long sizes for volume test tube work. **Per each, 12 per case.**

A

CATALOG NO.	HOLDS TUBES	PLACES	ROWS	DIMENSIONS (L x W x H)	PRICE/EACH
F18786-0750	10-13mm	120	6 x 2	33.1 x 11 x 6cm (13 1/32 x 4 5/16 x 2 3/8")	
F18786-0770	15-16mm	180	9 x 20	38.6 x 18.3 x 6.4cm (15 3/16 x 7 1/16 x 2 1/2")	
F18786-0780	15-16mm	100	5 x 20	38.6 x 10.8 x 6.4cm (16 3/16 x 4 1/4 x 2 1/2")	

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96-Place Test Tube Rack - Poxygrid®

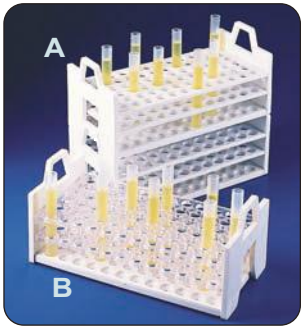
Maintain the 96-Place Format of High Throughput Applications with Large, 15ml Test Tube Capacity.

Ideal for mimicking the 96-place format used in microplates, deep-well plates and other tools configured for drug discovery and robotic applications. Holds 15ml (15-16mm) tubes in an 8 x 12 configuration. Flow-through design allows rapid temperature changes of samples when transferring between ice bath and heated water bath. Rigid wire construction with blue epoxy finish. Steam autoclavable at 121°C (250°F).

A

CATALOG NO.	HOLDS TUBES	PLACES	ROWS	DIMENSIONS (L x W x H)
F18765-0001	15ml-16ml	96	8 x 12	24.2 x 17 x 6.4cm (9½ x 6 11/16 x 2½")

Stack Rack™ Test Tube Racks



Match Rack Material to Lab Use

These sturdy, rigid racks feature interlocking end plates for secure stacking when loaded with tubes up to 10cm (4") long. End plates have handles. Rows are numbered and lettered for easy tube identification.

A. Polypropylene

White surfaces make color comparisons easy. Sturdy and chemical resistant, these racks will not shatter or stain. Steam autoclavable at 121°C (250°F). Top shelf height is 7cm (2¾"). **Per each, 4 per case.**

PP A

B. Polycarbonate

These racks have crystal-clear decks and are perfect for submersing in water baths. Top shelf is 7.3cm (2⅞") high. Steam autoclavable at 121°C (250°F). **Per each, 4 per case.**

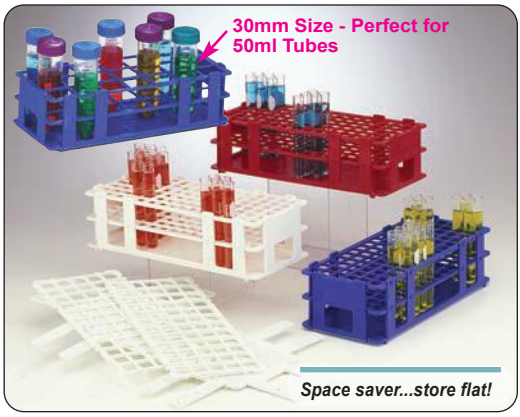
PC A

CATALOG NO.	HOLDS TUBES	PLACES	ROWS	DIMENSIONS (L x W x H)
A. Polypropylene				
F18860-1013	10-13mm	72	6 x 12	23.4 x 11.3 x 10.8cm (9¼ x 4 7/16 x 4¼")
F18860-1316	13-16mm	40	4 x 10	27 x 11.2 x 13.3cm (10⅝ x 4 7/16 x 5¼")
F18860-1620	16-20mm	40	4 x 10	27 x 11.2 x 13.3cm (10⅝ x 4 7/16 x 5¼")
F18860-2125	21-25mm	40	4 x 10	32.2 x 12.7 x 13.3cm (12 11/16 x 5 x 5¼")
F18860-2630	26-30mm	24	3 x 8	29.7 x 12.7 x 13.3cm (11 11/16 x 5 x 5¼")
B. Polycarbonate				
F18861-1013	10-13mm	72	6 x 12	23.4 x 11.3 x 10.8cm (9¼ x 4 7/16 x 4¼")
F18861-1316	13-16mm	40	4 x10	27 x 11.2 x 13.3cm (10⅝ x 4 7/16 x 5¼")

Test Tube Racks - No-Wire™

Submersible! Stackable! Color-Coded! Autoclavable!

A great alternative to wire racks, with price and space saving advantages over other plastic racks. Made of a special blend of autoclavable polypropylene, they will sink in a water bath and maintain their stability even in agitated water. Also perfect for use outside the water bath, they meet the demands of daily usage in the lab. Available in numerous hole sizes, with a choice of three colors for safety and identification.



Each rack features end plates for labeling as well as numbered and lettered rows for tube identification. Interlocking feet allow stacking of racks for storage. Dimensions for all racks are 24.6 x 10.4 x 6.4cm high (9.7 x 4.1 x 2.5") and they assemble in seconds. Steam autoclavable at 121°C (250°F). **Per each, 8 per case.**

Order Color Choice by Catalog No.

WHITE	RED	BLUE	HOLDS TUBES	PLACES	ROWS
F18745-0000	F18746-0000	F18747-0000	13mm	90	6 x 15
F18745-0001	F18746-0001	F18747-0001	16mm	60	5 x 12
F18745-0002	F18746-0002	F18747-0002	20mm	40	4 x 10
F18745-0003	F18746-0003	F18747-0003	25mm	24	3 x 8
F18745-0004	F18746-0004	F18747-0004	30mm	21	3 x 7



Test Tube Half Racks - No-Wire™

Space Saving Design in 5 Grid Sizes, Autoclavable

Compact size polypropylene racks save space in water baths, laminar flow hoods and fume hoods. Available in 5 grid sizes to accommodate the full range of laboratory test tubes, they are steam autoclavable at 121°C (250°F). Dimensions: 12.8 x 10.5 x 7.2mm high (5.1 x 4.1 x 2.8" high). **Per each, 8 per case.**

CATALOG NO.	HOLDS TUBES	PLACES	ROWS
F18748-0013	13mm	42	6 x 7
F18748-0016	16mm	30	5 x 6
F18748-0020	20mm	20	4 x 5
F18748-0025	25mm	12	3 x 4
F18748-0030	30mm	6	2 x 3

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Test Tube Grip Racks - No-Wire™



Test Tubes 'Hang in There' in Any Position, Even Inverted!

Retainer fingers hold tubes firmly in the rack plates with no fear of dislodging, making them perfect for both decanting and water bath work. The racks are made of a special blend of autoclavable polypropylene that is heavier than water for submerging into water baths. Each rack features end plates for labeling as well as numbered and lettered rows for tube identification. Fold up sides lock firmly into the grip decks, so assembly takes only seconds. Unloaded racks are stackable. All racks are 24.8 x 10.5 x 7cmH (9¾ x 4⅛ x 2¾"). Steam autoclavable at 121°C (250°F). **Per each, 8 per case.**



CATALOG NO.	HOLDS TUBES	PLACES	ROWS
F18749-0000	*10-13mm*	*90*	*6 x 15*
F18749-0001	*15-16mm*	*60*	*5 x 12*
F18749-0002	*18-20mm*	*40*	*4 x 10*



Round Racks - No-Wire™

Use in Desiccators, Round Ice Buckets and Beakers

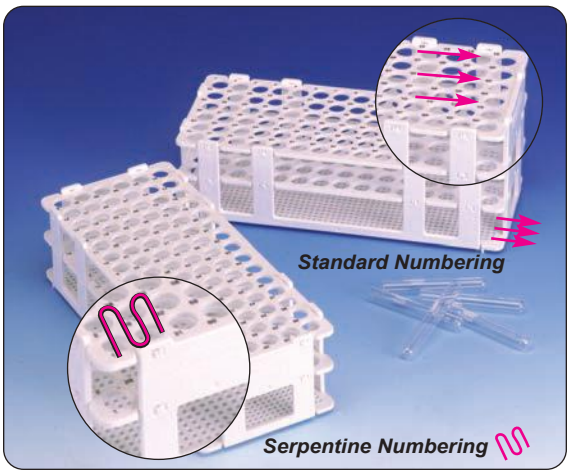
These No-Wire™ racks fit neatly into round containers such as ice buckets and beakers, as well as desiccators. Choose from two sizes; the large rack is ideal for use in round ice buckets such as Magic Touch™ (page 184) and the small rack fits perfectly in a 1000ml beaker. The small rack also features a removable, snap-on loop handle for easy retrieval. Made of a special blend of autoclavable polypropylene that is heavier than water, they remain stable at the bottom of water baths or ice baths. All racks have a base and two tiers of grids with numbered and lettered rows for identification. Each base has four feet which fit into the top of identical racks for easy stacking. Steam autoclavable at 121°C (250°F). Racks are shipped flat and can be easily assembled. **Per each, 8 per case.**

CATALOG NO.	HOLDS TUBES	FITS VESSEL DIAMETER	HEIGHT	PLACES	COLOR
Large Diameter Rack (14.9cm)					
F18741-0020	*20mm*	*15.5cm+*	*24*	*7.2cm*	*White*
Small Diameter Rack w/Handle (9.5cm)					
F18743-1016	*16mm*	*10cm+*	*14*	*8.2cm*	*Red*
F18743-1020	*20mm*	*10cm+*	*9*	*8.2cm*	*Red*

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Indexed Racks

Robotically Place Test Tube with Absolute Accuracy and Identify Specific Cell Location



Round holes with tight tolerances hold 13mm tubes firmly for accurate processing reducing lost samples and potential damage to instruments. Increased efficiency is achieved by using the numbered locations for programming, resulting in higher throughput. Numbers are clearly silk-screened on the top of the rack in either standard or serpentine numbering patterns. Designed for automated liquid handling systems, they are ideal when cell identification/location is critical. Typical applications include robotic sample-processing equipment which uses 3 or 4 racks per unit. Excellent tool for clinical laboratories in identifying test tube locations for multiple samples. 6 rows of 15 places (90 place) and made of autoclavable white polypropylene. Dimensions: 25 x 10.5 x 5.6cmH (9¾ x 4⅛ x 2³⁄₁₆").

PP A

CATALOG NO.	DESCRIPTION	HOLDS TUBES	PLACES
F18745-0023	Standard Numbering	13mm	90
F18745-0099	Serpentine Numbering	13mm	90



Heavy Duty Test Tube Racks

These heavy-duty 3 tier racks are molded of polypropylene. They are stackable, compact and steam autoclavable at 121ºC (250ºF). End plates have hand grips, base tier has rounded wells with drain holes, and the top tier has lettered and numbered rows. All racks are 21.3cm (8⅜") long x 11cm (4⁵⁄₁₆") wide. **Per each, 6 per case.**

PP A

CATALOG NO.	HOLDS TUBES	PLACES	ROWS	TOP DECK HEIGHT	OVERALL HEIGHT
F18855-0000	10-13mm	72	6 x 12	5.7cm (2¼")	11.1cm (4³⁄₈")
F18856-0000	13-16mm	50	5 x 10	5.7cm (2¼")	11.1cm (4³⁄₈")
F18857-0000	16-20mm	32	4 x 8	7cm (2¾")	12.7cm (5")
F18858-0000	21-25mm	18	3 x 6	7cm (2¾")	12.7cm (5")
F18859-0000	27-30mm	15	3 x 5	7cm (2¾")	12.7cm (5")

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Full-View Test Tube Supports

Hold More Tubes, Waste Less Space

A versatile polypropylene rack with pins for support or draining. Tubes can be stored upright, full or empty, or inverted over pins for draining. The rack with 102 pins, 5 x 16 rows (H18910-0102) is excellent for drying and storing glass plates used with vertical electrophoresis apparatus. Steam autoclavable at 121°C (250°F). **Per each, case listed below.**

PP A

CATALOG NO.	HOLDS TUBES	PLACES	ROWS	PINS	DIMENSIONS (L x W x H)	CASE
H18910-0102	*10-13mm*	*80*	*5 x 16*	*102*	*23 x 8.5 x 6.3cm*	*24*
H18910-0189	*10-13mm*	*160*	*8 x 20*	*189*	*29.5 x 13 x 6.4cm*	*24*
H18911-0000	*14-17mm*	*50*	*5 x 10*	*66*	*18 x 10 x 6.7cm*	*12*
H18912-0000	*17-20mm*	*40*	*4 x 10*	*55*	*23 x 10.5 x 7cm*	*12*
H18914-0000	*22-25mm*	*30*	*3 x 10*	*44*	*28 x 10 x 7.5cm*	*12*
H18915-0000	*25-30mm*	*24*	*3 x 8*	*36*	*29 x 12.7 x 7.5cm*	*12*

Color Comparison Tube Rack



Color Comparison Tests Just Became Easier

Colors stand out against the white surfaces of this polypropylene rack making color comparison tests easier to read. Also useful for drying or storing test tubes, the rack holds six, 25mm or eight, 18mm tubes and includes six drying pins. Steam autoclavable at 121°C (250°F). **Per each, 4 per case.**

PP A

CATALOG NO.	DIMENSIONS (L x W x H)
F18916-0000	*20.6 x 11.4 x 8.9cm (8⅛ x 4½ x 3½")*



Test Tube Racks

Two sizes of polyethylene racks accommodate tubes, vials, serological tubes and reagent containers.

A. 12 wells, 20.6mm diameter (13⁄16") for 18 to 20mm tubes and 5 drying pins. **Per each, 36 per case.**

PE

CATALOG NO.	DIMENSIONS (L x W x H)
H18923-0000	*20.3 x 10.2 x 5.7cm (8 x 4 x 2¼")*

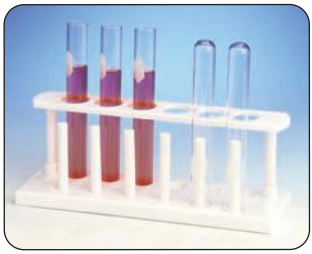
B. 17 wells, 14mm diameter (9⁄16") and 5 drying pins. Holds serological tubes such as Kahn or Wasserman, or other tubes up to 14mm diameter. **Per each, 24 per case.**

PE

CATALOG NO.	DIMENSIONS (L x W x H)
H18924-0000	*18.1 x 7.9 x 5.1cm (7⅛ x 3⅛ x 2")*

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In-Line Test Tube Rack



For high-visibility, this 6-place high-density polyethylene rack is end-supported by two columns. The top plate has 25mm diameter holes and the base has corresponding hemispherical wells. Includes six vertical pins for tube drying. Easy snap together assembly. **Per each, 12 per case.**

HDPE

CATALOG NO.	DIMENSIONS (L x W x H)
F18527-0000	*24.1 x 7.6 x 9.2cm (9½ x 3 x 3⅝")*



Slant Racks

Simple and Efficient Way to Prepare Agar Media Slants

Turning the rack to one side will slant tubes 5º to produce a large surface area useful for aerobic cultures. Turning to the other side will slant tubes 20º for a smaller surface area, which is ideal for anaerobic cultures and reduces drying out of media during storage. Media-filled tubes are autoclaved with the rack in an upright position. While media is still hot, tilt the rack to the desired angle and allow media to harden. Rack can be used for incubating tissue cultures or submersion in a water bath. Choose from 13-16mm or 16-20mm tube openings in 40 numbered and lettered places. Not stackable.
Per each, 4 per case.

PP A

CATALOG NO.	HOLDS TUBES	PLACES	ROWS	DIMENSIONS (L X W X H)
F18890-0016	*13-16mm*	*40*	*4 x 10*	*26.7 x 15.2 x 13cm (10½ x 6 x 5⅛")*
F18890-0020	*16-20mm*	*40*	*4 x 10*	*26.7 x 15.2 x 13cm (10½ x 6 x 5⅛")*

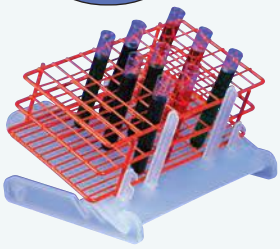
NEW PRODUCT!











Rack Slanter

Tilt your test tube rack to 25º, 35º or 45º. Adjusting the angle of racks reduces hand strain when working with pipettors. Ideal for creating agar slant tubes. Fits racks up to 29.3 x 24.2 x 8.3cmH (11⁹⁄₁₆" x 9⁹⁄₁₆" x 3¼"). Use with the Mini-Magnifier to aid in the viewing of Petri dishes. Steam autoclavable at 121ºC (250ºF).

PP A

CATALOG NO.	DESCRIPTION
F18890-0100	*Rack Slanter*
F37865-0000	*Mini Magnifier, See description page 215.*



Reusable Biohazard Carton Covers
Wide Opening for Safe, Sanitary Disposal of Biohazards, Page 331



Hot Hand® Protector
Fun Colors for Handling Hot or Cold, Page 314



Weighted Safety Shield
Because Accidents Happen, Page 321









PLUM Eye and Skin Wash Stations
Fast, Effective First Aid, Page 302-308

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Personal Eye Wash in the Workplace

As basic first aid equipment for any work environment and a practical supplement when fixed eye wash stations are required, Personal Eye Wash products offer an inexpensive solution that can be utilized to enhance your emergency preparedness, and improve critical response time when debris or chemicals enter the eye.

Things to consider when choosing personal eye wash:

- **What types of materials are on site that could enter the eye?**
  Saline which mimics human tears or water are the most common product[s] used to flush the eyes and work well for particulate debris (i.e. dust, dirt, metal fragments, wood chips etc.) When corrosive acids or alkalis are involved, time is of the essence. While water and saline will dilute an acid or alkali, a pH Neutralizing solution can quickly neutralize the substance and return the eye to its normal pH value of 7.4. Learn more about Plum pH Neutralizer on page 303.
- **Where are workers located? What is the work environment?**
  Are workers in a fixed area, moving between work areas or facilities, or outdoors? Personal Eye Wash products can be placed right where accidents are most likely to occur. Choose from wall mounting units or individual bottles and belt bags that mobile workers can conveniently keep with them at all times. For areas of high traffic or dust, Plum Covered Stations help keep supplies clean.

Bel-Art Products offers a variety of options in Personal Eye Wash. The table below will help you to determine which Bel-Art Products brands and features are best suited for your individual needs. After using Personal Eye Wash the injured person should immediately follow-up with a physician for further examination.

Performance Level	Bel-Art Products Category	Features and Benefits	Page #
Fill-it-Yourself; Reusable Bottles 	Scienceware® Empty Eye Wash Bottles and Stations	• 120 (32oz) or 500ml (16oz) bottles can be filled with eye wash solution or water; Note: Any opened bottles of eye wash solution are no longer sterile and contents generally require more frequent monitoring • Rigid eye cup with weep hole for draining contaminants away from the eye. • Open stations with multi-language instructions	309-310
Prefilled Sterile Saline Solution	Scienceware® Sterile Saline Eye Wash Bottles and Stations	• 1000ml (32oz) bottles of sterile 0.9% saline • Twist-off cap with tamper proof wrapper • Open stations with multi-language instructions • 3 year shelf life from date of manufacture	311
Targeted Solutions Based on Contaminant 	Plum+ Sterile Filled and Sealed 0.9% Saline and pH Neutralizing Eye and Skin Washes	• Sterile 0.9% saline or sterile 4.9% pH neutralizing solution • Quick twist tops have a flexible, form-fitting eye cup that helps to keep the eye open during rinsing. Weep holes drain contaminants away from the eye • Unique DUO Eye Wash bottles permit rinsing both eyes simultaneously • Bottles and Stations feature universal pictograms clear understanding • Choice of open or covered stations with different bottle sizes and solutions based on work environment • Belt bags available for individual use	302-308

DISCONTINUED PRODUCT

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NEW PRODUCTS!

plum
Emergency Eye and Skin Washes

Plum Advantage No. 1 - Instant Access
Fast and Effective First Aid for Eye and Skin Injuries

In an Emergency Seconds Count; Plum is Ready





Ready to Use- Flexible, built-in eye cup holds eyes open to ensure gentle and effective rinsing

Targeted Solutions for Your Workplace- Sterile Saline or pH Neutralizing Solution

- Stations can be mounted almost anywhere and are independent of a water supply. Bottles can be placed in toolboxes, first aid kits or vehicles
- Belt bags let mobile workers be prepared at all times
- DUO Eye Wash bottles let you immediately and effectively treat both eyes at once

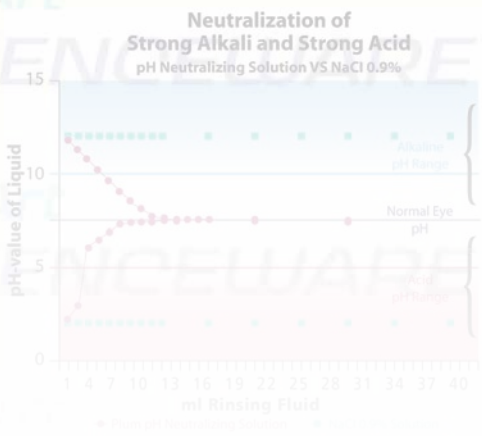
Sterile, Hygienic and FDA Registered- NDC number and expiration (3 years from date of manufacture) printed on every bottle

Plum Advantage No. 2 - pH Neutralizing Solution Eye Wash & Emergency Shower Wash
Don't Just Dilute It, Neutralize It!

When acids or alkalis contact the eyes or skin, damage can begin immediately. **Plum pH Neutralizing Eye and Skin Wash** contains a 4.9% sterile phosphate buffer solution. Stations can be mounted at the workspace making them ideal for primary first aid before further rinsing at a fixed emergency station.

Documented Effect

Strong acids and alkalis can penetrate the cornea in as little as 45 seconds. Rapid neutralization of the pH before cornea penetration is vitally important to reduce or prevent permanent injury. Results from an in vitro titration show that small amounts of pH neutralizing solution rapidly neutralize the eye while 0.9% Sodium Chloride merely dilutes the liquid with minor changes in pH value. When accidents involve acids or alkalis, pH Neutralizing solution bottles provide an appropriate two minute rinse and can be followed with continued rinsing at a fixed station or with Plum 0.9% Saline. Always seek additional medical attention for any injury involving the eyes.



DISCONTINUED PRODUCT

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NEW PRODUCTS!

plum
Emergency Eye and Skin Washes



DISCONTINUED PRODUCT

DUO Eye Wash Bottles

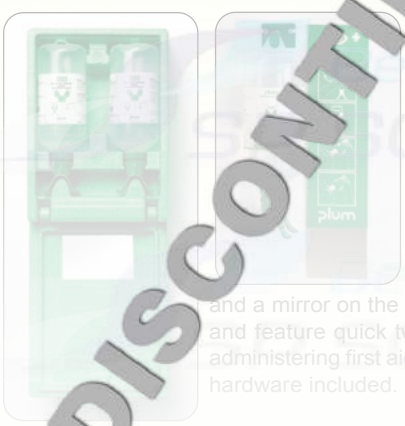
Deliver Immediate First Aid to Both Eyes at the Same Time

Accidents can and do happen to both eyes at the same time. Now you don't have to choose which eye to rinse first. PLUM Duo Eye Wash Bottles and Stations increase workplace safety and are an ideal complement to fixed stations letting you optimize the location of first aid and have the ability to treat both eyes immediately.



Each bottle releases two gentle, even streams of solution that flow from the inner eyes toward the outside to keep the contaminants free from further contamination. A unique, built-in eye piece assists in keeping the eyes open during rinsing for maximum benefit. PLUM Duo Eye Wash Bottles are available in Sterile Saline and pH Neutralizing Wash to handle all accidents involving foreign debris and chemicals that may enter the eyes.





DUO Bottle Eye Wash Stations with Sterile Saline – 1000ml

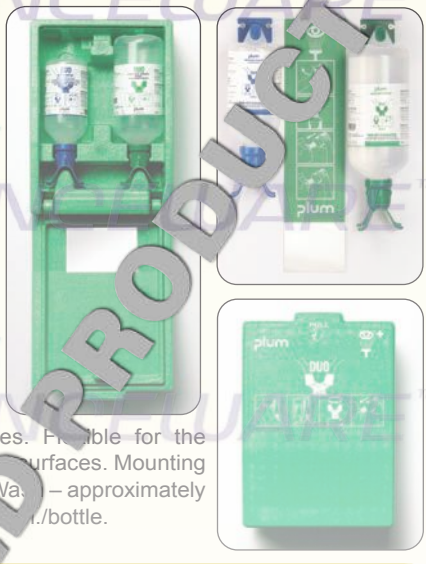
Wall-mountable stations with one or two bottles of 1000ml Duo Sterile Saline Eye Wash offer flexibility to keep eye wash right where you are most likely to need it. Open station includes one bottle and a placard with easy-to-follow pictogram instructions and polished metal mirror. Covered station which is especially suited for production areas with high dust or dirt levels has pictogram instructions on the cover and a mirror on the inside. Bottles can be dispensed upright or inverted and feature quick twist caps for easy and immediate access to begin administering first aid. Rinse time is approximately 5 min/bottle. Mounting hardware included.

CATALOG	DESCRIPTION/DIMENSIONS (W X H)	RINSE TIME
F24880-8010	DUO Open Station - 1000ml (32oz) 0.9% Saline, one bottle 20.3 x 38.1cm (8 x 15")	5 min./bottle
F24880-8502	DUO Covered Station - 1000ml (32oz) 0.9% Saline, two bottles 30.5 x 38.8cm (12 x 14")	5 min./bottle

NEW PRODUCTS!

plum
Emergency Eye and Skin Washes

DUO Bottle Eye Wash Stations with Sterile pH Neutralizing and Sterile Saline



Wall-mountable stations with 1000ml Sterile Saline and 500ml pH Neutralizing Duo Eye Wash bottles are ideal for areas where there is risk of injuries from acids and alkalis. pH Neutralizing Wash neutralizes acids and alkalis to a harmless level in 20 seconds or less. Available in an open format or closeable box for high dirt and dust areas, each station includes easy-to-follow pictogram instructions and a polished metal mirror. Bottles can be dispensed upright or inverted and feature quick twist caps for easy and immediate access to begin administering first aid. Pictograms are also printed on the bottles. Flexible for the workplace, they easily mount to walls and other flat surfaces. Mounting hardware included. Rinse times: pH Neutralizing Wash – approximately 2 min/bottle, Saline Eye Wash – approximately 5 min./bottle.

CATALOG NO.	DESCRIPTION/DIMENSIONS (L x W x H)
F24880-8403	DUO Open Station – 500ml (16oz) pH Neutralizing and 1000ml (32oz) 0.9% Saline, 30.5 x 38.1cm (12 x 15")
F24880-8503	DUO Covered Station – 500ml (16oz) pH Neutralizing and 1000ml (32oz) 0.9% Saline, 30.5 x 35.6cm (12 x 14")

DISCONTINUED PRODUCT





DUO Eye Wash Bottle Station Refills – Sterile Saline and Sterile pH Neutralizing

Unique structure delivers two gentle even streams of solution enabling both eyes to be rinsed at once. Bottles contain a sterile 0.9% sodium chloride solution (saline) for rinsing dust and debris, or a sterile 4.9% phosphate buffer (pH neutralizing) solution to quickly neutralize acids and alkalis. Each is labeled with clear instructions; twist open for quick access, and has a built-in eye piece to aid in effective rinsing of the eyes. Use to refill stations or take to job sites as part of first aid kits. Bottles require no maintenance and have a three year shelf life from date of manufacture. **6 bottles per pack.**

CATALOG NO.	DESCRIPTION	RINSE TIME
F24880-8103	1000ml (32oz) 0.9% Saline DUO Eye Wash	5 min./bottle
F24880-8023	500ml (16oz) pH Neutralizing DUO Eye Wash	2 min./bottle

SHOP www.belart.com

NEW PRODUCTS!

plum
Emergency Eye and Skin Washes

Eye Wash Station with Sterile pH Neutralizing and Sterile Saline



Wall-mountable station has a 200ml Sterile pH Neutralizing bottle and a 500ml Sterile Saline Eye Wash bottle for full spectrum first aid in treating injuries from chemicals, or particulates and other debris. Each bottle has a built-in, flexible eye cup with weep holes and can be dispensed upright or inverted. The station is equipped with a polished metal mirror and pictogram use instructions. Grea for laboratories, classrooms or other non-dusty locations. Mounting hardware included. Rinse times: pH Neutralizing Eye Wash ap o imately 2 min./bottle, Saline Eye Wash – approximately 5 min./b e

CATALOG NO.	DESCRIPTION/DIMENSIONS (W X H)
F24880-4003	200ml (6.8oz) pH Neutralizing and 500ml (16oz) 0. Saline Eye Wash 22.9 x 30.5cm (9 x 12")



Covered Eye Wash Station with Sterile pH Neu alizing and Sterile Saline

Keep eye ottles clean but easily accessible in high-dust areas th covered wall mounting station. Each station conta s 200ml Sterile pH Neutralizing and one 500ml Ste Saline Eye Wash for optimal first aid options when there is ri of e injuries from chemicals such as acids or alkalis o ris and dirt. The front cover of the box has an instructional gram, and a polished metal mirror is inside. Bottles have a ilt-in, flexible eye cup with weep holes and can be spensed upright or inverted. Mounting hardware included. Rinse mes: pH Neutralizing Eye Wash – approximately 2 min./bottle, Saline Eye Wash – approximately 5 min./bottle

CATALOG NO.	DESCRIPTION/DIMENSIONS (W X H)
F24880-5003	ml (6.8oz) pH Neutralizing and 500ml (16oz) 0.9% Saline Eye Wash 22.2 x 30cm (8¾ x 11")

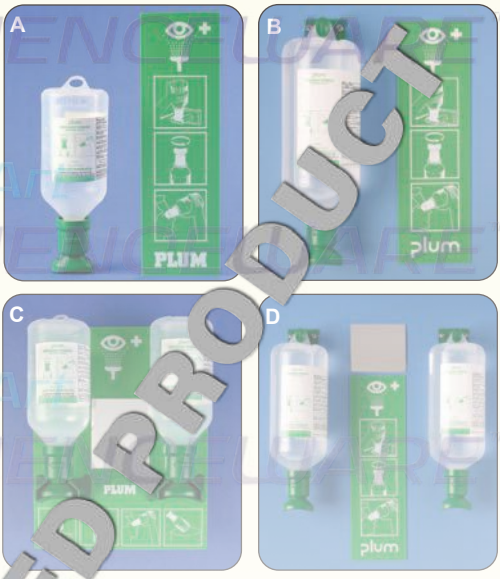
See page 303 for additional information on pH Neutralizing Solution

DISCONTINUED PRODUCT

plum
Emergency Eye and Skin Washes

Open Eye Wash Stations with Sterile Saline – 500 or 1000ml

Wall-mountable stations with your choice of one or two bottles of 500ml or 1000ml Sterile Saline Eye Wash. Single stations are compact and ideal for individual work stations or mobile units while double stations are convenient for multi-use areas, laboratories and classrooms. All stations have easy-to-follow pictogram instructions, and double units include a polished metal mirror. Bottles have a built-in, flexible eye cup with weep holes and can be dispensed upright or inverted. Mounting hardware included. Rinse times: 500ml – approximately 5 min./bottle, 1000ml – approximately 10min./bottle.



CATALOG NO.	DESCRIPTION/DIMENSIONS (W X H)	RINSE TIME
A. F24880-4001	500ml (16oz) 0.9% S… one bottle 17.8 x 30.5cm (7… 12")	5 min./bottle
B. F24880-4010	1000ml (32oz) …9% …le, one bottle 20.3 x 30.5c… (8… 12")	10 min./bottle
C. F24880-4002	500ml (16oz) …9% Saline, two bottles 22.9 x 3… (9… 12")	5 min./bottle
D. F24880-4012	1000… (32oz) …9% Saline, two bottles 30… …5cm (12 x 12")	10 min./bottle

DISCONTINUED PRODUCT



…overed Eye Wash Station with …terile Saline – 500ml

This covered, wall-mountable station has two 500ml Sterile Saline Eye Wash bottles and is especially suitable for high dust/dirt areas and mobile workplaces. The front cover of the box has an instructional pictogram, and a polished metal mirror is inside. Bottles have a built-in, flexible eye cup with weep holes and can be dispensed upright or inverted. Mounting hardware included. Rinse time: approximately 5 min./bottle.

SHOP www.belart.com

NEW PRODUCTS!

plum
Emergency Eye and Skin Washes





Eye Wash Station Refills – Sterile Saline and Sterile pH Neutralizing Solution

Bottles contain a sterile 0.9% sodium chloride solution (saline) for rinsing dust and debris or a 4.9% sterile phosphate buffer (pH neutralizing) solution to quickly neutralize acids and alkalis. Bottles have clear instructions, twist open for quick access and have a built-in eye cup with dust cap. Use to refill eye wash stations or take to job sites as part of first aid kits. 200ml bottles fit Plum Belt Bag F24880-5500, page 306. Bottles require no maintenance and have a three year shelf life from date of manufacture. **3 bottles per pack.**

CATALOG NO.	DESCRIPTION	RINSE TIME
F24880-0023	200ml (6.8oz) 0.9% Saline	2 min./bottle
F24880-0053	500ml (16oz) 0.9% Saline	5 min./bottle
F24880-0103	1000ml (32oz) 0.9% Saline	10 min./bottle
F24880-1023	200ml (6.8oz) pH Neutralizing	2 min./bottle

DISCONTINUED PRODUCT



Bag for 200ml Plum Bottles

Give mobile workers immediate access to first aid with this lightweight, long wearing bag. Easily attaches to belts, backpacks, coveralls etc. and holds a 200ml bottle of PLUM Sterile Saline or pH Neutralizing Eye Wash. A strong hook and loop closure holds the flap closed so bottle remains clean and in place, yet provides quick, easy access if an accident occurs. **3 per pack.**

CATALOG NO.	DIMENSIONS (DIA. x L)
F24880-5500	6.4 x 17.8cm (2½ x 7")

SHOP www.belart.com

Pocket-Size Emergency Eye Wash Bottle



Keep Emergency Eye Care in Your Pocket

Be prepared for immediate eye care in the field, plant, shop, home, garage or wherever you go. The 120ml (4 oz) oval polyethylene bottle has an eyecup with a tight fitting, snap-on cover. Fill and keep the bottle handy in your pocket. Instructions for use are printed on the bottle. **Per each, 24 per case.**

LDPE

CATALOG NO.	DESCRIPTION
F24845-0000	*120ml (4 oz) Empty Eye Wash Bottle*

Eye Wash Bottle Holder



A Simple Tool for Keeping Eye Wash Bottles in Easy Reach

Flexible Vikem® vinyl pouch with stiff back panel keeps eye wash bottles in sight and within reach. Holds 500ml (16oz) F24850-0000, 1000ml (32oz) F24851-0000 eye wash bottles, or 500ml (16oz) F24880-0053, 1000ml (32oz) F24880-0103 sterile saline eye wash bottles. Two reinforced holes for hanging. Bottles sold separately.

VIKEM® VINYL

CATALOG NO.
F24854-0000



Poxygrid® Eye Wash Bottle Wall Rack

Keep an Eye Wash Bottle Visible and Ready for Immediate Use

Fabricated of welded steel wire with corrosion-proof epoxy coating, this wall rack holds a single 1000ml (32oz) eye wash bottle in plain view for emergency use. It hangs on a screw or nail and is suitable for use with F24879-0032 sterile saline eye wash and F24851-0000 eye wash bottles (sold separately). 10.8cm diameter (4¼") x 21cm (8¼") high. **Per each, 6 per case.**

CATALOG NO.
H24859-0000

SHOP www.belart.com







Emergency Eye Wash Safety Stations

Built-In Eye Cup Provides Immediate Emergency Care

U.S. Patent 6,540,726

This fluid delivery system features a built-in eye cup that allows the injured person to be treated in any position, whether standing, sitting, or lying down and provides effective and immediate eye irrigation. Quick instruction diagrams on the bottle and station confirm how to use the eyewash bottle, and multi-language directions are on the station (English, French, German and Spanish). Three stations are available to suit all workstations: a single or a double station with 1000ml (32 oz) eyewash bottle(s) or a single station with a 500ml (16 oz) bottle. Stations are shipped with empty bottles and can be filled with F24879-0032 Sterile Eye Wash Solution Refills (page 311). Maintenance instructions for bottles are included. Single station dimensions: 44.5W x 38cmH (17½ x 15”). Double station dimensions: 45.7W x 34.9cmH (18 x 13¾”). **Per each, 12 per case.**

CATALOG NO.	DESCRIPTION
F24865-0000	*Single Station with 500ml (16 oz.) Empty Eye Wash Bottle*
F24866-0000	*Single Station with 1000ml (32 oz.) Empty Eye Wash Bottle*
F24868-0000	*Double Station with two 1000ml (32oz) Empty Eye Wash Bottles*
F24850-0000	*500ml (16 oz.) Empty Eye Wash Bottle*
F24851-0000	*1000ml (32 oz.) Empty Eye Wash Bottle*



Built-in Eye Cups





Works in Any Position

All Scienceware® and PLUM Emergency Eye Wash Products Serve as Immediate First Aid only. Further Examination and Treatment by a Physician are Required.

SHOP www.belart.com

Open Eye Wash Stations with Sterile Saline

Twist off Caps

Every workplace should have an emergency eye wash station for immediate access to sight-saving eye wash solution. These safety-green eye wash stations can be wall-mounted for quick access when an emergency occurs. Bottles have a three year shelf life from date of manufacture.

A. Single Eye Wash Station



Includes one 1000ml (32 oz) bottle filled with sterile, isotonic, buffered eye wash solution, ready for immediate use. Stations provide quick instruction diagrams, multi-language instructions, and a polished metal mirror. The station is 44W x 38cmH (17½ x 15"), with four holes for mounting with screws (not included).

CATALOG NO.	DESCRIPTION
F24878-1032	One 1000ml (32oz) Bottle

B. Double Eye Wash Station



Includes two 1000ml (32 oz) bottles filled with sterile, isotonic, buffered eye wash solution, ready for immediate use. Stations provide quick instruction diagrams, multi-language instructions, and a polished metal mirror. The station is 46W x 34.9cmH (18 x [illegible]) with four holes for mounting with screws (not included).

CATALOG NO.	DESCRIPTION
F24878-2032	Two 1000ml (32oz) Bottles



Sterile Saline Eye Wash Solution Refill

Don't take chances with your eyes! Keep 1000ml (32 oz) of sterile eye wash solution handy for effective relief from eye irritants. In case of emergency, twist and snap off the sealed bottle top, tilt the head back, hold the eyelid open and pour the solution into the eye. The sterile irrigating solution is helpful in rinsing away chemical contaminants and other harmful irritants and is similar in pH value to that of human tears. Each individually packaged bottle is designed for one time use to ensure sterility. Keep them on hand as instant refills for your wall-mounted eye wash stations.

CATALOG NO.	DESCRIPTION
F24878-0032	1000ml (32oz) Eye Wash Refill

DISCONTINUED PRODUCT

SHOP www.belart.com

Safety Goggles



Fits Comfortably over Prescription Glasses

Made of soft, clear, flexible vinyl that conforms to the face and nose, these goggles have 4 vents to reduce fogging. Goggles have clear polycarbonate lenses, and can be worn over regular eyeglasses with complete comfort. 13mm (½") wide adjustable elastic headband. Goggles are ANSI Standard Z87.1 compliant. **Per each, 6 per case.**

CATALOG NO.
H24873-0000



Safety Eyewear Holders

Perfect for Office and Lab

Designed to be wall-mounted or free-standing, these clear acrylic eyewear holders are available with or without a lid. 22.9 x 15.2 x 9.5cm (9 x 6 x 3 3/16"). There are pre-drilled holes on the back for wall mounting. (Hardware not included)

ACRYLIC

CATALOG NO.	DESCRIPTION
F24877-0000	*Holder with lid*
F24877-0001	*Holder without lid*

Eyewear Dispenser



Keep Safety Glasses within Reach

This wall-mounted dispenser is designed to hold either boxed or loose glasses. It features a large flip-up door for removing glasses and open top for easy filling. Made from clear acrylic, you'll always know when it's time to refill. There are predrilled holes on the back for wall mounting. (Hardware not included)

ACRYLIC

CATALOG NO.	DIMENSIONS (L x W x H)
F24876-0000	*20.3 x 10.2 x 48.3cm (8 x 4 x 19")*



Cleanware™ Anti-Fog Lens Cleaner

Economical, Only One Drop Does the Trick

Cleans glass and plastic lenses with only one drop while providing anti-static and anti-fogging protection. Can be used on microscopes. Supplied in a convenient 59ml (2 oz) bottle with reclosable dispenser cap, the fluid can be dispensed in a single drop or stream onto lens. Fits easily in a pocket or purse. **2 per pack, 12 packs per case.** No Air Shipment.

CATALOG NO.	DIMENSIONS (DIAM. x H)
F24842-0001	*3.5 x 10cm (1 3/8 x 4")*

SHOP www.belart.com

Silicon-Free Lens Cleaning Tissues



Keep a Pop-Up Dispenser on the Bench

Use to quickly and easily clean glass and plastic lenses. These high-quality, lint-free tissues do not contain silicone and won't scratch glass or plastic lenses. 150 sheets in a pop-up dispenser pack. Each sheet is 10.8 x 12.7cm (4½ x 5"). **Per pack, 10 packs per case.**

CATALOG NO.
F24841-0000



Disposable Lens Cleaning Station

All-In-One Station, Tissues and Cleaning Solution

For economy, convenience and efficiency, this self-contained, disposable station combines cleaning solution and lens tissues. Fabricated of coated paperboard, the 14 x 21 x 21cm high (5⅝ x 8¼ x 8¼") station has openings for wall mounting. Contains a generous supply of 600 lens tissues 13 x 20cm (5 x 8") and a 237ml (8oz) polyethylene spray pump bottle filled with non-silicone fluid that protects, polishes, anti-stats and anti-fogs lenses. **Per each, 8 per case.** No Air Shipment.

CATALOG NO.
F24835-0000

LabLens® Liquid

Lens cleaning solution in a 473ml (1 pint) polyethylene bottle with spray pump. Bottle contains a non-silicone fluid that protects, polishes, anti-stats, and anti-fogs lenses. **Per each, 12 per case.** No air shipment.



CATALOG NO.
F24833-0000



Draft Checker™ Air Flow Detection Powder

Ideal Fume Hood Accessory

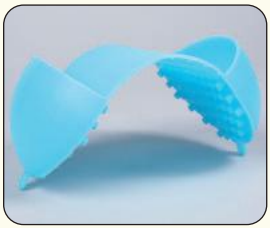
A quick and easy way to test the safety of fume hood exhaust before use. Just a squeeze or two from the plastic bottle dispenses a cloud of ultra-fine, lightweight silica powder, which remains suspended long enough to visually check whether or not the fume hood exhaust is functioning properly. It is also useful for detecting drafts, gas leaks and air currents in rooms, ducts and exhaust systems. The amorphous silica powder is inert, non-toxic and non-flammable. 1.5 gm bottle.

CATALOG NO.
F19939-0000

SHOP www.belart.com

NEW COLORS!

The Original Hot Hand® Protector






Safe, Non-Slip Grip

Hot Hand® Mitts provide superior protection when handling hot or cold objects, including dry ice. Made of strong silicone rubber which resists tearing, it withstands temperatures as high as 260°C (500°F) and remains flexible at temperatures as low as -57°C (-70°F). Thumb and fingers fit into each pocket. The gripping surfaces have concave tipped studs for a non-slip grip, 10 x 19cm (3⅞ x 7½"). **Per each, 24 per case.**

CATALOG NO.	COLOR
F38000-0000	*Original Red*
F38000-0001	*Sky Blue*
F38000-0002	*Lime Green*



Fire Blanket

Smothers Small Fires, Quickly!

Extinguishes small class “A”, light oil and grease fires without the mess of foam or chemical agents. An excellent supplement to existing safety equipment, the Fire Blanket is packaged in an instant access container that can be hung on the wall or stored in any accessible location. It is made of woven fiberglass with a textured surface and all edges are serged with fireproof Kevlar® thread. The close weave greatly reduces the amount of atmospheric oxygen available to feed the fire. May also be wrapped around the head and body for protection against flames and embers when fleeing a burning room, or for protection from splashing molten metal.

CATALOG NO.	DIMENSIONS
H24869-0000	*.91 x 1M (36 x 40”) .9mm thick*

Bright Orange Color Makes Gloves Easy to Locate



Biohazard Autoclave Gloves – Clavies®

Safely Unload Your Autoclave

Soft, pliant, all-cotton terry cloth gloves are superb for handling hot objects out of the autoclave or oven, or for other heat protection in the lab, school or industry. Heat-resistant up to 232°C (450°F), they replace hazardous asbestos gloves. Gauntlets in two lengths provide wrist and forearm protection, and the bright orange color offers high visibility. Machine wash, air dry, or use the Lab-Aire® II Glove Holder (F18931-0000) to dry on any Lab-Aire® dryer. *Note: Gloves are not waterproof and should not be used to handle dry ice.* **Per pair, 12 pair per case.**

CATALOG NO.	GAUNTLET LENGTH	OVERALL LENGTH
H13201-0000	*13cm (5")*	*33cm (13")*
H13201-0001	*28cm (11")*	*47cm (18.5")*



Portable Glove Box System

Economical; Quickly Sets Up Anywhere

The operator and the ambient environment are protected with this lightweight, self-contained portable isolation cabinet. A large acrylic window with 6” glove ports permits safe viewing of operations, and the 8" diameter side port allows easy insertion of material and equipment. Large size, 22” long (20” installed) neoprene gloves are included and provide good protection against gas, liquid or solid penetration and are secured to the glove box with clamping rings (included). Body molded from LDPE with round corners throughout for easy cleaning. Overall dimensions: 68.5W x 33D x 55cmH (27 x 13 X 22"). Shipping weight: 17.2kg (38lbs.)

CATALOG NO.	DESCRIPTION
H50028-2000	*Ready to Use Glove Box System, with 1 pair of gloves and 2 clamping rings*
H50028-0000	*Glove Box Only*
H50029-0000	*Replacement Neoprene Gloves for 6” glove ports, (size large)*
H50029-0200	*Replacement Clamping Rings, 6”*

SHOP www.belart.com







Poxygrid® Glove Dispenser Racks

Epoxy-coated Glove Dispenser Wire Racks

Keep disposable gloves handy with these welded steel wire racks. Select rack to hold one, two or three boxes of disposable gloves, wipes or tissues. Each box drops into an individual retaining compartment and lifts out easily for replacement. Retaining compartment internal dimensions are 12.7cm W x 9.5cm D (5 W x 3¾" D). All models are designed for mounting to a vertical surface. Durable, blue epoxy coated racks are steam autoclavable at 121°C (250°F).

CATALOG NO.	DESCRIPTION (L X W X H)
F24739-0001	*Single Box Holder* *14 x 10.8 x 21cm (5½ x 4¼ x 8¼")*
F24739-0002	*Double Box Holder* *30.5 x 10.8 x 21cm (12 x 4¼ x 8¼")*
F24739-0003	*Triple Box Holder* *43.2 x 10.8 x 21cm (17½ x 4¼ x 8¼")*



Glove Dispensers

Conveniently Mounts for Easy Glove Access

Acrylic dispenser easily mounts to wall using supplied double stick tape or through pre-drilled screw holes in back (Hardware not included). Accepts most boxed gloves or can be filled with loose or individually packaged gloves. Dimensions are 28.3 x 16.8 x 10.2cm D (11⅛ x 6⅝ x 4"D).

ACRYLIC

CATALOG NO.	COLOR
F24738-0000	*Smoke*
F24738-0001	*Clear*



Lab Coat/Apron Hook

This hook is perfect for hanging lab coats, aprons or other clothing. Adhesive backing included for instant mounting on any wall or door. **3 per bag, 6 bags per case.**

CATALOG NO.
F24601-0000

SHOP www.belart.com

Vikem® Vinyl Aprons

Lightweight and Comfortable

Made from 4 mil thick vinyl film, these aprons have a stitched cotton binding securing all edges. Strong tie backs are double reinforced with metal grommets through three layers of material at the waist. Non-absorbent and chemically resistant, these aprons give excellent protection to personnel in hospitals, schools, laboratories and industrial plants. Yearly contracts on larger quantities at special discount prices are available. Beta blocking aprons available; see page 322.



CATALOG NO.	COLOR	LENGTH X WIDTH
H24603-0001	Translucent	91 x 69cm (36 x 27˝)
H24604-0001	Translucent	107 x 91cm (42 x 36˝)

NEW PRODUCT!

HPLC Reservoir Secondary Containers

Protect Expensive HPLC Solvent Reservoirs.





Safeguard expensive HPLC solvent reservoirs against damage or breakage while in use or during storage with these durable polyethylene HPLC Reservoir Secondary Containers. These containers are resistant to most chemicals and are available in 5L, 10L and 20L sizes to accommodate popular HPLC solvent reservoirs. In addition to protecting the HPLC reservoirs, the containers serve as secondary containment to prevent solvent spills in the work area. The large, unobstructed opening allows easy viewing of the HPLC reservoir, and the round shape of the containers minimizes wasted space on the benchtop.

PE

CATALOG NO.	CAPACITY
F16956-0001	5L (1.32gal.)
F16956-0002	10L (2.64gal.)
F16956-0003	20L (5.28gal.)

SHOP www.belart.com



Spill Containment Tray

Protect Laboratory Benches

The polystyrene tray accepts F24675-0020 Labmat™ Sheets as liners (not included) to absorb spilled liquids. The tray is 12.7mm (½") deep with an external flange.

PS

CATALOG NO.	DIMENSIONS (L X W)
F24675-0050	58 x 69cm (23 x 27")

Spill Containment Trays

Reduce Injury and Damage from Accidental Spills





Capturing hazardous chemical and contaminant spills when transferring from one vessel to another is easy with these portable spill containment trays. The large tray (B) has a spill surface that will support multiple flasks, beakers or a rack of test tubes, while the smaller tray (A) is ideal for smaller vessels and tight spaces. Trays can also be used for storing hazardous, corrosive chemicals, stains, etc. to protect benchtops, shelves and cabinets. Made of polypropylene for chemical resistance, durability and steam autoclavable at 121°C (250°F). **Per each, 12 per case.**

PP A

CATALOG NO.	VOLUME	OUTSIDE DIMENSIONS (L x W x H)
H18905-0001 (A)	0.5 liter (17oz)	25.4 x 13.3 x 7.3cm (9⅞ x 5¼ x 2⅞")
F18905-0050 (B)	1.5 liter (50oz)	32 x 20 x 15cm (12¾ x 7⅞ x 5⅞")



Spill Containment Tray with Grid

Large Volume Benchtop Spill Protection

This large, deep, polypropylene tray protects users by capturing accidental hazardous spills. The epoxy coated wire support grid holds numerous vessels or racks of test tubes. Both are steam autoclavable at 121°C (250°F) and have outstanding chemical resistance.

PP A

CATALOG NO.	VOLUME	DIMENSIONS (L x W x H)
F24676-0003	7.0 liter (237oz)	36.5 x 30.8 x 12.1cm (14⅜ x 12⅛ x 4¾")

SHOP www.belart.com





Labmat™ Rolls & Sheets

White or Biohazard Safety Orange

Disposable Labmat™ Bench Liner speeds clean-up and safeguards work surfaces from stains, spills and wear. The highly absorbent upper surface traps up to 420ml/m² of water, dyes, corrosive chemicals or radioactive solutions. The flexible polyethylene film backing is non-skid and prevents soak-through of most solutions. Simply roll up and discard after contamination. Labmat™ Liner is 50.8cm (20") wide and 15.2 meter (50 ft.) rolls, or 50.8 x 61cm (20 x 24") pre-cut sheets. For the rolls, the desired footage is easily cut with scissors while roll is retained in dispenser. **50ft. roll (in dispenser cartons), 6 rolls per case or 100 sheets per box.**

CATALOG NO.	DESCRIPTION
F24675-0000	*White 50 ft. roll*
F24675-1000	*Safety Orange for biohazard designated use. 50 ft. roll*
F24675-0020	*100 Cut Sheets, (White), 50.8 x 61cm (20 x 24")*

Mercury Collector



Capture and Contain All Spilled Beads

To collect spilled mercury quickly, unscrew the lid with the foam pad, and press pad firmly onto the spill. This pressure forces the mercury into the pad. When the lid is screwed back onto the jar, the pad is compressed against the jar's free-standing perforated plate, releasing the mercury into the jar bottom. Container holds 125ml of mercury. Use recommended disposal method. Replacement pads should be affixed with rubber cement Dimensions: 10.5 x 4.8cm O.D. (4⅛ x 2") high. **Per each, 12 per case. Replacement pads: 12 per pack, 6 packs per case.**

CATALOG NO.	DESCRIPTION
F36250-0000	*Mercury Collector*
F36251-0000	*Replacement Pads (12)*

Safety Step Stool



Rolls into Place, Stabilizes When You Stand on It

This handy step stool provides safe, easy access to high shelves, drawers, equipment and other hard-to-reach areas. Three (3) spring-loaded, swiveling casters make it easy to kick or push out of the way or into position. When weight is placed on the stool a non-skid vinyl bumper rests directly on the floor to prevent movement. Base diameter is 39cm (15½"), height 30cm (12"). **Per each, 6 per case.**

PP

CATALOG NO.
F24900-0000

SHOP www.belart.com



Single Shield: Pictured with (D) Weighted Base



Double Shield: Pictured with "C" Clamps (A)



Mounting Fixtures (Sold Separately)

Splash Shields

Protects User with Smooth, Easy Position Adjustment

No matter how your workspace is configured, these Plexiglas® Splash Shields are designed to provide safety plus comfort (not hot and stuffy like personal face shields), flexibility (they're fully adjustable), and quality in a design that will adapt to your specific needs. All shields move side-to-side as well as up and down at the touch of a finger. Free precious work space and enhance the performance of every user. After selecting desired shield, order appropriate mounting fixtures.

CATALOG NO.	DESCRIPTION	RECOMMENDED MOUNTING FIXTURES
F24966-0001	*Single Plexiglas® Splash Shield 305 x 381mm (12 x 15") with 61cm (24") Reticulating Arm*	*Select type A, B, C or D*
F24966-0002	*Single Plexiglas® Splash Shield 30.5 x 38.1cm (12 x 15") for Island Benches with 96.5cm (38") Reticulating Arm*	*Select type A, B, or C*
F24966-0004	*Double Plexiglas® Splash Shield 38.1 x 61cm (15 x 24") with two 61cm (24") Reticulating Arms (one for each arm).*	*Select type A, B, or C Must order two of same.*
F24966-0003	*Double Plexiglas® Splash Shield 38.1 x 61cm (15 x 24") for Island Benches with two 96.5cm (38") Reticulating Arms.*	*Select type A, B, or C Must order two of same.*

Mounting Fixtures: (Refer to recommended mounting fixtures above. Choose the best mounting system for your work area.)

CATALOG NO.	DESCRIPTION
F24966-0005	*(A) "C" Clamp: Opens to 63mm (2½"), Order two for use with double shields*
F24966-0006	*(B) Fixed Table Bracket: Attaches permanently with screws to bench top. Order two for use with double shields.*
F24966-0007	*(C) Wall Bracket: Attaches permanently to vertical surface with screws. Mount to wall studs only. Order two for use with double shields.*
F24966-0008	*(D) Weighted Base: 24.1cm (9½) Diameter Base. For use only with Single Splash Shield F24966-0001*
REPLACEMENT PLEXIGLAS® SHIELD	
F24966-0010	*Pre-Drilled Single Shield (fits F24966-0001/0002)*
F24966-0011	*Pre-Drilled Double Shield (fits F24966-0003/0004)*

Polycarbonate shields are available to convert your splash shield into a safety shield, please call 1-800-4BEL-ART for details



Large Weighted Safety Shields

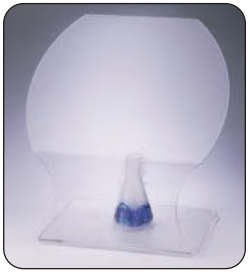
Highest Impact Resistance of All Transparent Shield Materials

Laboratory workers are protected by a 4.7mm (3⁄16") thick clear polycarbonate barrier. Stable three-sided construction provides front and side protection against flying debris. The heavy steel perimeter base is coated with blue epoxy. Plated steel bolts, nuts and washers are used for assembly. Outside base width is 50cm (19½″) and17cm (6½″) front to back.

CATALOG NO.	HEIGHT	WEIGHT
H24962-0000	*76cm (30″)*	*8.4kg (18.5lb)*
H24964-0000	*91cm (36″)*	*8.9kg (19.6lb)*

Custom Safety Shields Made to Order, Call 1-800-4BEL-ART

Splash Shield



Splash Protection in Standing or Sitting Position

Provides excellent splash protection from pipetting or pouring procedures. An extra wide, angled viewing area and low bend allow the shield to be used from a standing or sitting position. Made from 6.4mm (¼") clear acrylic with non-skid feet for stability. Acrylic base work area is 50.8 x 30.5cm (20 x 12") deep. Face is 50.9 x 38cm (20 x 15") high. Not recommended for Beta use.

CATALOG NO.
F24965-0000

Protect Yourself from Beta Radiation with These Safety Products



Beta Shields

Free Standing Workshields in 3 Sizes

Beta shields reduce the exposure from radioactive isotopes and offer excellent clarity. The shields are made from 9.5mm (⅜") clear acrylic with non-skid feet. All three sizes feature an angled shield and flat base with large work surface.

CATALOG NO.	DIMENSIONS (L x W x H)
F24976-0001	*20.3 x 30.5 x 37.5cm (8 x 12 x 14¾″)*
F24976-0002	*30.5 x 35.6 x 52.7cm (12 x 14 x 20¾″)*
F24976-0003	*31.4 x 40.6 x 52.1cm (12⅜ x 16 x 20½″)*

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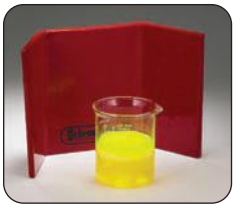
Beta Splash Shield



Beta and Splash Protection in One Unit

The Beta Splash Shield is made from 9.5mm (3⁄8") clear acrylic for protection from Beta emitters and splashes from lab procedures. The shield provides a large viewing area and flat work surface.

CATALOG NO.	DIMENSIONS (L X W X H)
F24975-0000	50.8 x 30 x 50.8cm (20 x 12 x 20")



Coated Lead Shield

Provides Protection from Radiation and Debris

This 6.4mm (¼") thick lead shield safeguards against chemical reactions, low level radiation, and flying debris. The lead shield is coated with vinyl for a soft, smooth surface that prevents the hazard of skin contact with lead. Weight 3.6 kg (8lbs). Other sizes made to order.

CATALOG NO.	DIMENSIONS (L X W X H)
H24958-0000	22 x 8 x 15cm (8½ x 3 x 6")

Beta Blocking Apron



For Added Personal Safety

This 3.2mm (1/8") thick black, neoprene rubber apron helps block beta radiation, protects against hazardous chemicals, and shields >97% of Phosphorous-32 and other Beta emitting sources. Two over-shoulder straps distribute the weight evenly on the shoulders rather than straining the neck. The apron is 51cm (21") wide, 82cm (32 ¼") long, weighs 1.5kg (3.35lbs.), and is designed to augment other radiation shielding devices. One size fits all. Regular protective vinyl aprons also available; see page 317.

CATALOG NO.
F24602-0000



Microcentrifuge Box

Beta Radiation-Blocking Box

Storage box is made from 9.5mm acrylic with tight-fitting joints to assure maximum protection from radioactive isotopes. There is room under the rack for water or crushed ice. Holds 36 tubes.

CATALOG NO.	TUBE SIZE	DIMENSIONS (L X W X H)
F24980-0015	1.5ml	20 x 9 x 6cm (8⅛ x 3½ x 2¼")

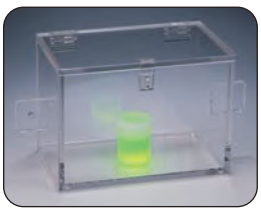
Lead Lined Polyethylene Storage Boxes



Safeguard Personnel from Exposure to Radiation or Lead

This storage system is excellent for storing vials of isotopes, contaminated instruments and tools, radioactive samples, solutions, or waste. A 0.76mm (0.030") thick lead shield encased in 6.4mm (¼") thick high-density polyethylene helps contain radiation without lead exposure. Each box has a cover of the same lead/polyethylene construction with a 32mm (1¼") external overlap designed to prevent radiation escape. The handle opening is 89 x 29mm (3½ x 1⅛").

CATALOG NO.	DIMENSIONS (L X W X H)
F24960-0000	13 x 36 x 13cm (5 x 14 x 5")
F24960-0001	15 x 15 x 20cm (6 x 6 x 8")
F24960-0002	20 x 30 x 20cm (8 x 12 x 8")
F24960-0003	25 x 25 x 25cm (10 x 10 x 10")



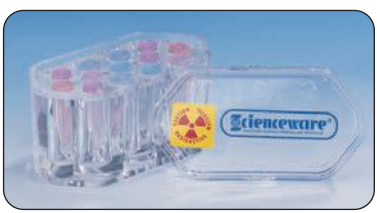
Beta-Safe™ Storage Box

Complies with Security Regulations

Fabricated from 9.5mm (⅜") clear acrylic for all around visibility of stored contents, this box stores radioactive materials such as P-32, S-35 and C-14. A hinged lid with a hasp is provided for locking. The entire unit may be secured by utilizing a locking ¼" cable through the anti-theft connectors which are securely attached to the box. The standard unit measures a generous 25.4 x 15.24 x 17.8cmH (10 x 6 x 7H") I.D. Other sizes available on special order. Complies with USNRC Rules and Regulations, Title 10, Chapter 1, Part 20. Lock and cable or chain not included.

CATALOG NO.	DIMENSIONS (L X W X H)
F24987-0000	25.4 x 15.24 x 17.8cm (10 x 6 x 7")

Micro Tube Beta Shield



Solid Block with Cover Prevents the Escape of Beta Radiation.

This solid shield is a clear-acrylic block with 13 wells (11mm diameter) that hold 1.5ml micro sample tubes, F19929-0000 or similar, in individual cells. A clear, tight-fitting cover allows space for micro tube flip tops and blocks Beta radiation including P-32, S-35 and C-14. In addition, the shield provides an excellent method of sample transport and saves valuable bench space. Tubes not included.

CATALOG NO.	DIMENSIONS (L X W X H)
F24980-0001	5.2 x 10.5 x 6.2cm (2 1/16 x 4 1/8 x 2 7/16")

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Beta Box

With Removable Lid

This Beta box is made from 9.5mm (⅜") clear acrylic with tight-fitting joints that reduce exposure to radioactive isotopes. With excellent visibility of contents, a removable lid, and non-skid feet, the box is 22.9 x 15.2 x 17.8 cm H (9 x 6 x 7"H).



CATALOG NO.
F24983-0000



Beta Box

Clips Hold Disposable Bag

Made from clear 9.5mm (⅜") acrylic for protection from radioactive isotopes, this Beta Box has a removable lid, non-skid feet and clips to hold a disposal bag in place. Inside dimensions are 30.5 x 15.2 x 38.0 cm H (12 x 8 x 15"H).

CATALOG NO.
F24984-0000

Radiation Dots

Radioactive Indicator Stickers

Stick-on dots adhere to plastics and glass to identify ″hot″ labware. Each dot is 6.35mm (¼") in diameter with the radiation symbol on a yellow background. Color coding complies with OSHA regulations. **Tape roll of 1000 dots, 12 rolls per case.**



CATALOG NO.
F13359-0000



Safety Waste Jug

Easy Filling, Traps Fumes In

Features a screw-on funnel top with 12cm (4¾") diameter and is perfect for safe handling and temporary storage of spent solvents or other liquid wastes. A snap-on cap seals the funnel top to retain fumes. This high-density polyethylene jug is translucent for observing content level and includes a screw-top to seal container for safe transit. Graduated in US gallons, 20 liter (5gal) capacity. Closure is 45mm (1.8").

CATALOG NO.	DIMENSIONS (L X W X H)
H11919-0000	30 x 24.4 x 40.6cm (12 x 9⅝ x 16")

Beta Boxes for Wet Waste



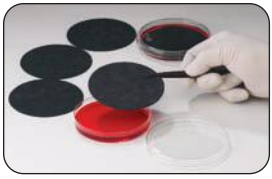
Added Protection for Transfer and Storage of Wet Waste

These boxes are made of 9.5mm (⅜") thick clear acrylic for protection against Beta radiation from wet waste. The removable tops are set into the box to avoid any straight-line path for radiation. The tops have a grip knob for easy removal.

Available in two models, the Beta Box Open model holds a standard 1 liter (1.05 quart) bottle, and the removable top has a 19.7mm (¾") hole in the center to insert a funnel for easy pouring. (No cover for funnel hole.) Inside dimensions are 16.5 x16.5 x 30.5cm H (6½ x 6½ x 12"). Bottle and funnel not included.

The Beta Box Closed model (not shown) has no hole in the removable top, and contents are totally enclosed. The 1 liter (1.05 quart) bottle fits inside, as well as a funnel which rests on top of the bottle. Inside dimensions are 16.5 x16.5 x 47.6cm H (6½ x 6½ x 18¾"). Bottle and funnel not included.

CATALOG NO.	DESCRIPTION
F24990-0000	*Open Beta Box with 19.7mm (¾") hole*
F24990-0001	*Closed Beta Box - without hole (not shown)*



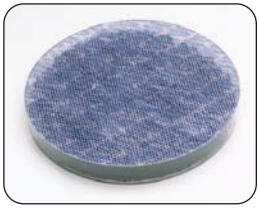
Charcoal Disks

Efficiently Capture Volatile S-35 Radioactive Component During Labeling

Activated charcoal impregnated into each Disposable Charcoal Disk absorbs most of the volatile S-35 radioactive component before it can escape from the Petri dish during metabolic labeling. The sterilized disk is placed inside the lid of the 100mm Petri dish used for labeling. After use, disks are disposed of in regular beta waste containers. For a dynamic duo combine the Charcoal Disks with Charcoal Cartridges, F24989 (below), which are placed on the incubator shelves to trap the volatile S-35 radioactive component that may have escaped from Petri dishes equipped with Charcoal Disks. **50 per box.**

CATALOG NO.
F13557-0000

Disposable Charcoal Cartridge



Safely Absorb the Volatile S-35 Radioactive Component During Labeling

These disposable, activated charcoal cartridges efficiently absorb S-35 radioactive component released from S-35 labeled amino acids. Capturing the released radioactivity lessens the chance of breathing the volatile component and reduces contamination of the incubator and the water in the humidity pan. Place cartridges on the incubator shelf and, after use, dispose in regular beta waste containers. Cartridges are sealed with a highly porous durable membrane. For increased safety, combine with Sterile Activated Charcoal Disks F13557 (above), which fit directly inside the lid of a 100mm Petri dish, to trap the S-35 volatile radioactive component within the Petri dish. **3 per bag.**

CATALOG NO.
F24989-0000

NEW PRODUCT! SHOP www.belart.com



4-Color Wash Bottles – Right-to-Know, Safety-Labeled, Wide-Mouth

Right-to-Know Safety-Labeled Wash Bottles feature a wide mouth 53mm (2") for easy refilling. Bottles are pre-printed with the Chemical name and formula, the National Fire Protection Association (NFPA) Section 704 Four-color Diamond, health hazards, Chemical Abstract System (CAS) number, and suggested protective clothing and equipment. Leak-proof, these translucent* LDPE bottles have color-coded polypropylene closures to aid in quick and easy identification. **500ml - 4/bag, 6 bags/case † 1000ml - 4/bag, 3 bags/case.**

**Note: Sodium Hypochlorite bottle is white LDPE for light-protection between 230 and 450nm. Toluene is red LDPE bottle.*

LDPE PP

CATALOG NO.	LABEL	CAP COLOR	CAPACITY
F11716-0050	Assortment (6 pc) †		500ml (16oz)
F11716-0001	Acetone	Red	500ml (16oz)
F11716-0002	Dichloromethane	Yellow	500ml (16oz)
F11716-0003	Deionized Water	Blue	500ml (16oz)
F11716-0004	Distilled Water	Blue	500ml (16oz)
F11716-0019	Ethanol	Natural	500ml (16oz)
F11716-0020	70% Ethanol	Green	500ml (16oz)
F11716-0007	Ethyl Acetate	Green	500ml (16oz)
F11716-0008	Isopropanol	Yellow	500ml (16oz)
F11716-0009*	LYOB (Label Your Own Bottle)	Natural	500ml (16oz)
F11716-0010	Machine Oil	Natural	500ml (16oz)
F11716-0011	Methanol	Green	500ml (16oz)
F11716-0012	Methyl Ethyl Ketone (MEK)	Green	500ml (16oz)
F11716-0013	Saline Solution	Natural	500ml (16oz)
F11716-0014	Soap	Blue	500ml (16oz)
F11716-0015	Sodium Hypochlorite (Bleach)	Yellow	500ml (16oz)
F11716-0016	Toluene	Red	500ml (16oz)
F11716-0017	Water	Blue	500ml (16oz)
F11732-0001	Acetone	Red	1000ml (32oz)
F11732-0004	Distilled Water	Blue	1000ml (32oz)
F11732-0019	Ethanol	Natural	1000ml (32oz)
F11732-0008	Isopropanol	Yellow	1000ml (32oz)
F11732-0009*	LYOB (Label Your Own Bottle)	Natural	1000ml (32oz)
F11732-0011	Methanol	Green	1000ml (32oz)
F11732-0015	Sodium Hypochlorite (Bleach)	Yellow	1000ml (32oz)

*† Assortment is 6 pcs., 4 assortments per case. Includes one each: Acetone, Bleach, Distilled Water, Ethanol, Isopropanol, and LYOB. *Note: Use LYOB only with solvents compatible with LDPE.*

SHOP www.belart.com

NEW PRODUCT!



Safety vent eliminates dangerous drips! Vents can be dispensed upright or inverted.



4-Color Wash Bottles – Right-to-Know, Safety-Vented™ and Safety Labeled, Wide-Mouth

Same great features as the RTK Safety-Labeled Wash Bottles, with the addition of our unique valve that prevents pressure build-up inside the bottle, eliminating dangerous chemical drips. This valve allows dispensing of wash bottle in an upright or inverted position. These RTK bottles are pre-printed with the Chemical name and formula, the National Fire Protection Association (NFPA) Section 704 Four-color Diamond, health hazards, Chemical Abstract System (CAS) number, and suggested protective clothing and equipment. **250 & 500ml - 4/bag, 6 bags/case † 1000ml - 2/bag, 6 bags/case.**

**Note: Sodium Hypochlorite bottle is white LDPE for light-protection between 230 and 450nm. Toluene is red LDPE bottle.*

LDPE PP

CATALOG NO.	LABEL	CAP COLOR	CAPACITY
F11808-0050	Assortment (6 pc) †		250ml (8oz)
F11808-0001	Acetone	Red	250ml (8oz)
F11808-0004	Distilled Water	Blue	250ml (8oz)
F11808-0019	Ethanol	Natural	250ml (8oz)
F11808-0008	Isopropanol	Yellow	250ml (8oz)
F11808-0009*	LYOB (Label Your Own Bottle)	Natural	250ml (8oz)
F11808-0011	Methanol	Green	250ml (8oz)
F11808-0015	Sodium Hypochlorite (Bleach)	Yellow	250ml (8oz)
F11816-0050	Assortment (6 pc) †		500ml (16oz)
F11816-0001	Acetone	Red	500ml (16oz)
F11816-0004	Distilled Water	Blue	500ml (16oz)
F11816-0019	Ethanol	Natural	500ml (16oz)
F11816-0007	Ethyl Acetate	Green	500ml (16oz)
F11816-0008	Isopropanol	Yellow	500ml (16oz)
F11816-0009*	LYOB (Label Your Own Bottle)	Natural	500ml (16oz)
F11816-0011	Methanol	Green	500ml (16oz)
F11816-0015	Sodium Hypochlorite (Bleach)	Yellow	500ml (16oz)
F11832-0001	Acetone	Red	1000ml (32oz)
F11832-0004	Distilled Water	Blue	1000ml (32oz)
F11832-0019	Ethanol	Natural	1000ml (32oz)
F11832-0008	Isopropanol	Yellow	1000ml (32oz)
F11832-0009*	LYOB (Label Your Own Bottle)	Natural	1000ml (32oz)
F11832-0011	Methanol	Green	1000ml (32oz)
F11832-0015	Sodium Hypochlorite (Bleach)	Yellow	1000ml (32oz)

*† Assortment is 6 pcs., 4 assortments per case. Includes one each: Acetone, Bleach, Distilled Water, Ethanol, Isopropanol, and LYOB. *Note: Use LYOB only with solvents compatible with LDPE.*

SHOP www.belart.com

Touch Free™ Automatic Waste Cans

Automatically Opens and Closes, without a Touch!

Easy and Sanitary Waste Disposal!



D A C B

It's That Simple!

1. ***Wave your hand over the sensor on the front of the waste can lid.***
2. ***When the lid automatically opens, dispose of your waste, and the lid automatically closes.***

The Touch Free™ Automatic Waste Can's motion-sensitive lid opens automatically to accept waste, and then closes into a fitted well that helps to reduce odor and airborne contamination. Durable and dependable, it can be used with autoclavable biohazard disposal bags or commercially available trash bags. Requires four (4) D-batteries (not included) that will provide approximately 4,000 openings. An on-off switch deactivates the auto-open/close function.

Each unit is supplied with a preprinted, brightly-colored Biohazard label, 2 others for Recyclables and Trash, and a Blank label for individualized applications.



Available in three slim, modern designs:

A. F13202-0010 - White 2.5 gallon can is perfect for bench-top use and includes a removable rigid liner that won't leak or rust. Body and lid are molded of easy-to-clean ABS plastic, and the removable pail is molded of autoclavable polypropylene. Line with Scienceware® 14 x 19" biohazard disposal bags (see bags section, pages 8-10) or suitable size standard trash bags.

B. F13202-0020, Gray and **C. F13202-0022 - Red** 7.3 gallon cans have a molded polypropylene pail and gray ABS plastic top. Line with Scienceware® bag liners or biohazard disposal bags measuring 24 x 30, 24 x 36 or 25 x 35" (see bags section, pages 7-10) or suitable size standard trash bags.

D. F13202-0030 - 12 gallon can has a **Gray** body and black ABS plastic lid. The removable pail is made from **Stainless Steel**. Line with Scienceware® bag liners or biohazard disposal bags measuring 24 x 30, 24 x 36 or 25 x 35" or suitable size standard trash bags. (See Bag Section Pages 7-10)

CATALOG NO.	CAPACITY	MATERIAL	DIMENSIONS (L X W X H)
A. F13202-0010	2 gallon	Plastic - White	21.6 x 30.5 x 43cm (8½ x 12 x 17")
B. F13202-0020	7.3 gallon	Plastic - Gray	36.8 x 26.7 x 57.1cm (14½ x 10½ x 22½")
C. F13202-0022	7.3 gallon	Plastic - Red	36.8 x 26.7 x 57.1cm (14½ x 10½ x 22½")
D. F13202-0030	12 gallon	Stainless Steel Can Plastic Lid	36.8 x 26.7 x 67.3cm (14½ x 10½ x 26½")

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Disposal Cartons for Glass

Safe Disposal for Lab Glassware

Sturdy corrugated cardboard receptacle is supplied with a 2 mil thick, clear polyethylene bag to contain broken glass fragments and spilled liquids. When the box is full, lift the flap opening to a closed position and the entire unit is ready for disposal. Printed with eye-catching graphics in four languages (English, German, French, Spanish), it is packaged flat to save space and shipping costs and is quickly assembled. Available in two sizes. The floor model holds 18kg (40lb) of waste. The benchtop model holds 5.5kg (12lb). See F13204-0001 (below) for sanitary, reusable cover for floor model. Does not qualify as a DOT container. **6 per pack, 10 packs per case.**

CATALOG NO.	MODEL	DIMENSIONS (L x W x H)	SHIPPING WEIGHT
F24653-0001	*Floor*	*30 x 30 x 69cm (12 x 12 x 27")*	*6.8kg (15lb)*
F24653-0002	*Benchtop*	*20 x 20 x 25cm (8 x 8 x 10")*	*3.2kg (7lb)*

NEW PRODUCT!





Cover for Glass Disposal Carton

Opens with a Simple Touch; Sanitary, Reusable

Dishwasher-safe and autoclave-safe, the reusable Disposal Carton Cover opens quickly and easily by pressing the built-in release tab - no batteries required! The cover fits any disposal carton with a 30.4 x 30.4cm (12 x 12") opening including F24653-0001 Glass Disposal Floor Standing Carton (information above) and features a smooth 10.1 x 10.1cm (4 x 4") area for applying labels. The center panel is green to match the printing on the glass disposal cartons providing fast visual recognition of the waste stream. Compared to the disposable cardboard lids supplied with the cartons, the Disposal Carton Cover provides a wider opening 20.3 x 24.1cm (8" x 9½") permitting safer and more sanitary deposit of wastes into the container. Store the disposable cardboard lid under the bottom of the carton and, when carton is full, simply remove the reusable Disposal Carton Cover, replace with the cardboard lid, and dispose of the carton in the usual fashion. Wash the Disposal Carton Cover as needed, and it's ready for reuse. Autoclavable at 121°C (250°F). **Per each, 8 per case.**

A

CATALOG NO.	FRAME/PANEL COLOR
F13204-0001	*White/Green*

NEW PRODUCT!





Biohazard Bag Holder Cover

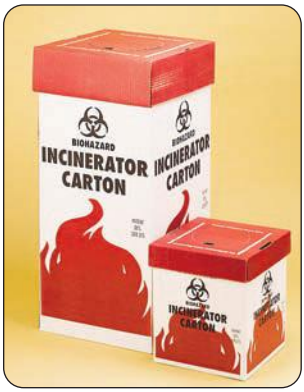
Opens with a Single Touch; Sanitary, Reusable

Dishwasher and autoclave safe, the reusable Clavies® Biohazard Bag Holder Cover opens quickly and easily by pressing the built-in release tab – no batteries required! The cover fits both the Medium and Large sizes of the Clavies® Biohazard Bag Holders (F13192-0002 and F13192-0003, page 11) and features a smooth 10.1 x 10.1cm (4 x 4") area for applying labels. The cover can be installed in seconds and improves the sanitation of these biohazardous waste containers. The center panel of the lid opens to an upright position and reveals a large 20.3 x 24.1cm (8 x 9½") opening through which wastes can be deposited. Autoclavable at 121°C (250°F). **Per each, 8 per case.**

PP A

CATALOG NO.	FRAME/PANEL COLOR
F13192-0102	*Orange/Orange*

SHOP www.belart.com



Biohazard Incinerator Cartons

Safe Disposal, No Need to Transfer Contents

This corrugated cardboard receptacle has a pair of tabs along the top edge that keep its clear 0.038mm (1.5 mil) thick polyethylene biohazard bag from slipping out of place. The snug-fitting lid has a flap for easily inserting waste material. When the box is full, pull the flap to a closed position and the entire unit is ready for incineration. Printed with large, bright, biohazard graphics and instructions in four languages (English, Spanish, French, German). Packaged flat to save space and shipping costs, the carton and inner bag can be assembled in seconds. Available in two sizes. See F13204-0000 (below) for reusable, sanitary cover for floor model Biohazard Incinerator Cartons.

6 per pack.

CATALOG NO.	MODEL	DIMENSIONS (L x W x H)
F13205-0001	*Floor*	*30.5 x 30.5 x 68.5cm (12 x 12 x 27")*
F13205-0002	*Benchtop*	*19.6 x 19.6 x 25.4cm (8 x 8 x 10")*

NEW PRODUCT!





Cover for Biohazard Incinerator Disposal Carton

Opens with a Single Touch; Sanitary, Reusable

Dishwasher-safe and autoclave-safe, the reusable Disposal Carton Cover opens quickly and easily by pressing the built-in release tab – no batteries required! The cover fits any disposal carton that has a 30.5 x 30.5cm (12 x 12") opening including F13205-0001 Biohazard Incinerator Floor Standing Carton (above) and features a smooth 10.1 x 10.1cm (4 x 4") area on top for applying labels. The center panel is red to match the printing on the Biohazard disposal cartons providing fast visual recognition of the waste stream. Compared to the disposable cardboard lids supplied with the cartons, the Disposal Carton Cover provides a wider opening 20.3 x 24.1cm (8 x 9½") permitting safer and more sanitary deposit of wastes into the container. Store the disposable cardboard lid on the bottom of the carton and when carton is full, simply remove the reusable Disposal Carton Cover, replace with the cardboard lid, and dispose of the carton in the usual fashion. Wash the Disposal Carton Cover as needed, and it's ready for re-use. Autoclavable at 121°C (250°F).

CATALOG NO.	FRAME/PANEL COLOR
F13204-0000	*White/Red*



Sense-able Scoops®
Avoid Quality Issues with Metal-Detectable Scoops, Page 338



Micro-Mill® II
Rapid, High Speed Milling of Small Samples, Page 359



Poly-Hand Pumps
Empty Drums and Carboys, Page 366

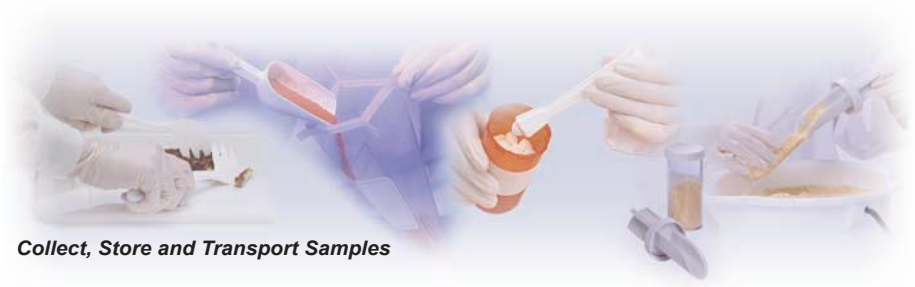


Samplit™ Scoop and Container System
Sterile Sample Collection and Storage, Page 334

SHOP www.belart.com

Sterileware® Sterile Sampling Tools

All Sterileware® Sampling Products are made from FDA grade materials, sterilized by Gamma Irradiation, lot stamped for accurate lot tracing, and shipped with a Certificate of Sterilization. Non-Sterile versions of these items are available as indicated in charts or by special order. Return Policy: Sterileware® and other sterilized products are not returnable.



Collect, Store and Transport Samples





Sterileware® Samplit™ Scoop and Container System

Self-Contained Sampling System

U.S. Patents 6,440,373; D438,979



This collection device incorporates a sturdy sampling scoop that threads into a dedicated leakproof 190ml (6.5oz) container ensuring safe and efficient isolation of material. The rigid scoop is made of white, high-impact polystyrene strong enough for coring semi-solids such as cheese, ice cream and even soil or granular materials. A ribbed handle provides an excellent grip for pushing and turning the scoop. The depth and shape of the scoop keeps samples contained while allowing for easy dispensing into the clear styrene container. Supplied with labels for sample identification. F19856-0250 page 262 can be used to store and transport Samplit™ containers.

PS

CATALOG NO.	DESCRIPTION
H36915-0000	*25 Sterile, Individually Wrapped Samplit™ Sets*
H36915-1000	*25 Non-sterile Samplit™ Scoops and Containers*
H37835-0000	*25 Non-sterile Samplit™ Scoops only*

All sterile products are lot stamped for accurate tracing.

SHOP www.belart.com

Sterileware® Scoop Sampling System

With Convenient Snap-On Lid



Eliminates the cost of separate sterile bags or containers, saving you time and money in your sample collection process. These high-impact polystyrene scoops with detachable lids have a longer handle that increases the distance between the hand and sample to reduce contamination potential. When placed on a flat surface they remain upright and can be used as weighing boats. To use, simply remove the scoop from the bag and detach the lid using the convenient tab. After taking the sample, replace the snap-on lid and use the scoop as a container for transport. A lock-tab on the lid can be bent under for a tighter seal. Sampling data can be marked on the lid with wax pencil, pre-marked label or labeling tape to facilitate tracking. Radiation sterilized and packed ready for one time use and disposal. **Box of 10 or 100, individually sterile wrapped scoops with lids.**



PS

CATALOG NO.	CAPACITY	BOWL (L X W X H)	TOTAL LENGTH	QUANTITY
H36922-0000	*60ml (2oz)*	*7.6 x 2.5 x 2.5cm (3 x 1 x 1")*	*20.3cm (8")*	*100*
H36922-0010	*60ml (2oz)*	*7.6 x 2.5 x 2.5cm (3 x 1 x 1")*	*20.3cm (8")*	*10*
H36924-0000	*125ml (4oz)*	*8.9 x 2.5 x 4.4cm (3½ x 1 x 1¾")*	*22.1cm (8 1/16")*	*100*
H36924-0010	*125ml (4oz)*	*8.9 x 2.5 x 4.4cm (3½ x 1 x 1¾")*	*22.1cm (8 1/16")*	*10*

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Sterileware® Scoop an' Bag™ Sampler

Ideal for Food, Pharmaceutical and Environmental Sampling

Sample collection system includes a sterile 60ml (2oz) sampling scoop and sterile 11.4 x 22.9cm (4½ x 9"), 540ml (18.3oz) volume polyethylene twirl-type bag with large label area to hold the sample. The one-piece scoop is made from white, high-impact, FDA grade polystyrene and has a long handle to keep the hand away from the sample. Flat bottom allows scoop to remain upright when filled or empty for use as a weighing boat or to be placed on a flat surface. Packaged together in a polyethylene bag ready for one time use and disposal, every package is lot traceable. **50 individually sterile wrapped sets per box.**

PS

CATALOG NO.	CAPACITY	BOWL (L X W X H)	HANDLE LENGTH	TOTAL LENGTH
H36910-0000	*60ml (2oz)*	*7.6 x 3.8 x 2.5cm (3 x 1½ x 1")*	*12.4cm 4⅞"*	*20.3cm (8")*

Red Sterileware® Scoops

3 Convenient Sizes

With all the same features and benefits of our white Sterileware® scoops (opposite page) this bright red color reduces the chance of these scoops being accidentally left behind in a sample. Color can also serve as a code to avoid cross contamination and provides a contrasting background to better view light colored samples. **Box of 10 or 100, individually sterile wrapped scoops in white or red.**



PS

CATALOG NO.	COLOR	CAPACITY	BOWL (L X W X H)	TOTAL LENGTH	QUANTITY
H36902-2002	*Red*	*60ml (2oz)*	*7.6 x 2.5 x 2.5cm (3 x 1 x 1")*	*20.3cm (8")*	*100*
H36902-2010	*Red*	*60ml (2oz)*	*7.6 x 2.5 x 2.5cm (3 x 1 x 1")*	*20.3cm (8")*	*10*
H36904-2004	*Red*	*125ml (4oz)*	*8.9 x 2.5 x 4.4cm (3½ x 1 x 1¾")*	*22.1cm (8¹¹⁄₁₆")*	*100*
H36904-2010	*Red*	*125ml (4oz)*	*8.9 x 2.5 x 4.4cm (3½ x 1 x 1¾")*	*22.1cm (8¹¹⁄₁₆")*	*10*
H36906-2008	*Red*	*250ml (8oz)*	*12.7 x 5.1 x 5.1cm (5 x 2 x 2")*	*19cm (7½")*	*100*
H36906-2010	*Red*	*250ml (8oz)*	*12.7 x 5.1 x 5.1cm (5 x 2 x 2")*	*19cm (7½")*	*10*

These sampling scoops are designed for retrieving samples from a larger source. The capacity/volumes are an estimated volume and are not meant for taking exact sample weights/volumes. Stated volumes represent typical heaping samples.

All sterile products are lot stamped for accurate tracing.

SHOP www.belart.com

Sterileware® Scoops

3 Convenient Sizes

Our best selling Sterileware® scoops are the perfect shape and size for taking samples, especially from wide-mouth containers. Designed to hold various capacities, these one-piece scoops are molded of high-impact polystyrene and individually sealed and sterilized in a polyethylene bag ready for one time use and disposal. The 2 oz and 4 oz sampling scoops have a long handle that increases the distance between the hand and sample. When placed on a flat surface they remain upright and can be used as weighing boats. **Box of 10 or 100, individually sterile wrapped scoops in white or red.**



2 & 4oz Scoops have a longer handle and flat bottom.

PS

CATALOG NO.	COLOR	CAPACITY	BOWL (L X W X H)	TOTAL LENGTH	QUANTITY
H36902-0000	*White*	*60ml (2oz)*	*7.6 x 2.5 x 2.5cm (3 x 1 x 1")*	*20.3cm (8")*	*100*
H36902-0010	*White*	*60ml (2oz)*	*7.6 x 2.5 x 2.5cm (3 x 1 x 1")*	*20.3cm (8")*	*10*
H36904-0000	*White*	*125ml (4oz)*	*8.9 x 2.5 x 4.4cm (3½ x 1 x 1¾")*	*22.1cm (8 1/16")*	*100*
H36904-0010	*White*	*125ml (4oz)*	*8.9 x 2.5 x 4.4cm (3½ x 1 x 1¾")*	*22.1cm (8 1/16")*	*10*
H36906-0000	*White*	*250ml (8oz)*	*12.7 x 5.1 x 5.1cm (5 x 2 x 2")*	*19cm (7½")*	*100*
H36906-0010	*White*	*250ml (8oz)*	*12.7 x 5.1 x 5.1cm (5 x 2 x 2")*	*19cm (7½")*	*10*

These sampling scoops are designed for retrieving samples from a larger source. The capacity/volumes are an estimated volume and are not meant for taking exact sample weights/volumes. Stated volumes represent typical heaping samples.

All sterile products are lot stamped for accurate tracing.

SHOP www.belart.com

NEW PRODUCT!





Sterileware®
Sense-able Scoops® Sampling Tools

Metal and X-ray Detectable

U.S. Patent 6,915,712 B1

Avoid quality issues and protect your product. Scoops, including fragments as small as 1.6mm^3, can be detected by standard metal detection and X-ray equipment. FDA grade, high-impact polystyrene scoops are individually sealed and gamma sterilized, ready for one-time use and disposal. Flat bottom design on 60ml (2oz) and 125ml (4oz) sizes allows scoops to remain upright for use as weigh boats or to rest on a flat surface without spilling. **Individually sterile wrapped, 100 scoops per box.**

PS

CATALOG NO.	CAPACITY	BOWL (L X W X H)
H36902-0006	*60ml (2oz)*	*7.8 x 4.1 x 2.9cm (3 x 1⅝ x 1")*
H36904-0006	*125ml (4oz)*	*9.4 x 5.1 x 3.3cm (3¹¹⁄₁₆ x 2 x 1⅛")*
H36906-0006	*250ml (8oz)*	*13.5 x 5.4 x 4.9cm (5 x 2 x 2")*

Bel-Art Products recommends that you call 1-800-4BEL-ART or visit our website at http://www.belart.com/freesample.php to request a free scoop to test compatibility with your metal detection equipment. Questions? Email senseablescoops@belart.com

These sampling scoops are designed for retrieving samples from a larger source. The capacity/volumes are an estimated volume and are not meant for taking exact sample weights/volumes. Stated volumes represent typical heaping samples.

All sterile products are lot stamped for accurate tracing.

SHOP www.belart.com

Polypropylene Scoops

Six Sizes, Bulk Quantity Pricing Available



These scoops are rigid, strong and smooth. A flat bottom keeps them upright when filled or empty, allowing them to be used as weighing boats or to be placed on a flat surface. The 60 and 125ml scoops have a longer handle that increases the distance between the hand and sample. Steam autoclavable at 121ºC (250ºF), they comply with FDA regulations for food contact. Special prices on yearly contracts for large quantities and colors are available on request. **12 per bag except F36756 (6 per bag).**

CATALOG NO.	CAPACITY	BOWL (L X W X H)	HANDLE	CASE
F36747-0000	22ml (0.74oz)	6 x 2.9 x 2.5cm (2⅜ x 1⅛ x 1")	3.2cm (1¼")	6 Bags
F36748-0000	60ml (2oz)	7.6 x 3.8 x 2.5cm (3 x 1½ x 1")	15cm (6")	6 Bags
F36749-0000	75ml (2.5oz)	8.9 x 3.8 x 3.2cm (3½ x 1½ x 1¼")	4.8cm (1⅞")	6 Bags
F36750-0000	125ml (4oz)	9.2 x 4.8 x 3.5cm (3⅝ x 1⅞ x 1⅜")	15cm (6")	4 Bags
F36753-0000	250ml (8oz)	12.7 x 5.1 x 5.1cm (5 x 2 x 2")	6.4cm (2½")	3 Bags
F36756-0000	1100ml (37.2oz)	20.3 x 12.1 x 7.6 (8 x 4¾ x 3")	10.2cm (4")	4 Bags



Large Polypropylene Scoop

Large Flat Edge for Easy Scooping of Large Volumes

Excellent for scooping anything from bulk powder to ice, this rectangular shaped scoop has rounded corners for easy cleaning and a looped handle for hanging. It is made from rigid polypropylene and holds approximately 2 liters (½ gallon). **6 per bag, 4 bags per case.**

CATALOG NO.	CAPACITY	BOWL DIMENSIONS (L X W X H)	HANDLE LENGTH
F36758-0000	2L (½ gal.)	22.9 x 14 x 8.9cm (9 x 5½ x 3½")	11.4cm (4½")

These sampling scoops are designed for retrieving samples from a larger source. The capacity/volumes are an estimated volume and are not meant for taking exact sample weights/volumes. Stated volumes represent typical heaping samples.

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Large Cylindrical Scoops

Practical Non-Spill Design in Three Sizes

Large, heavy-duty, polyethylene scoops are strong, durable, and excellent for scooping dry powders, granules or crystals. They have a closed back, non-spill shape and an ergonomically angled handle.

PE

CATALOG NO.	CAPACITY	BOWL DIMENSIONS (DIA. X L)	HANDLE LENGTH
H36758-0001	1 liter (1 quart)	12.5 x 12.7cm (4⅞ x 5")	12.7cm (5")
H36759-0000	2 liters (½ gallon)	15.2 x 22.9cm (6 x 9")	12.7cm (5")
H36760-0000	4 liter (1 gallon)	19.1 x 24.8cm (7½ x 9¾")	12.7cm (5")

Fluo-Kem® Teflon® FEP Coated Aluminum Scoops

FDA Compliant for Food Contact

Coating is anti-stick, corrosion resistant brown Fluo-Kem® Teflon® containing FEP, which complies with FDA regulations for food contact. Handle is not coated so your grip is non-slip.



ALUMINUM TEFLON®

CATALOG NO.	CAPACITY	BOWL DIMENSIONS (DIA. X L)	HANDLE LENGTH
H36733-0000	1 liter (1 quart)	10.2 x 18.4cm (4" x 7¼")	8.3cm (3¼")
H36735-0000	2 liters (½ gallon)	12.7 x 21.6cm (5 x 8½")	8.9cm (3½")
H36737-0000	4 liters (1 gallon)	4.6 x 26cm (5¾ x 10¼")	10.2cm (4")

These sampling scoops are designed for retrieving samples from a larger source. The capacity/volumes are an estimated volume and are not meant for taking exact sample weights/volumes. Stated volumes represent typical heaping samples.

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Sterileware® Economy Sampling Scoops

Durable, High-Impact Polystyrene



An inexpensive and accurate measure for dry or liquid measures. Capacity is listed on each scoop, and leveling the sample to the flat top edge ensures a repeatable and consistent volume measure. The flat bottom shape and light weight allows for use as a weighing boat. These one-piece scoops are made from durable white high-impact polystyrene. **Available sterile, 50 individually wrapped scoops per pack or non-sterile, 12 per pack.**

CATALOG NO.	DESCRIPTION	BOWL CAPACITY	QUANTITY
F36933-0001	Sterile	63ml (2oz)	50
F36933-0002	Sterile	83ml (2.7oz)	50
F36933-0003	Sterile	125ml (4oz)	50
F36933-0004	Sterile	250ml (8oz)	50
F36933-0021	Non-sterile	63ml (2oz)	12
F36933-0022	Non-sterile	83ml (2.7oz)	12
F36933-0023	Non-sterile	125ml (4oz)	12
F36933-0024	Non-sterile	250ml (8oz)	12



Mini Sampler Spoons

Disposable Mini Measures

Ideal for retrieving small, specific volume samples of powders or similar materials. Use a separate spoon for each material sampled to avoid cross contamination. Available in 5 sizes. Made from white high-impact polystyrene. **25 per bag, 10 bags per case.**

CATALOG NO.	DESCRIPTION
F36721-0005	0.05ml (0.0016 oz)
F36721-0010	0.10ml (0.0034 oz)
F36721-0025	0.25ml (0.0085 oz)
F36721-0050	0.50ml (0.017 oz)
F36721-0100	1.00ml (0.034 oz)

Note: 0.05ml (F36721-0005) is cylinder as of catalog printing but will be converting to bowl style. Please contact customer service at 1.800.4BELART for an update.

All sterile products are lot stamped for accurate tracing.

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Sterileware® Large Sampling Spoon

Ideal for Sampling Semi-solids, Viscous Liquids or Bulk Materials

Each sterile 30ml (1oz) spoon is made from high-impact polystyrene. The overall length is 25.4cm (10"), keeping the hand away from the sample. Packed ready for one time use and disposal. **25 individually sterile wrapped spoons per box.**

PS

CATALOG NO.	CAPACITY
H36948-0000	*30ml (1oz.)*

Sterileware® Economy Sample Spoons



Economical Solution for Small Quantities of Dry or Liquid Measures

These economical measures are ideal for retrieving small, specific volume samples of powders or liquids. Their unique flat bottom shape allows them to be used as weighing boats for additional sampling accuracy. Use a separate spoon for each material sampled to avoid cross contamination. All sizes are made from white, high-impact polystyrene for durability and stiffness when sampling packed powders. **Available sterile, individually wrapped 10 or 100 pieces or non-sterile, 12 pieces.**

PS

CATALOG NO.	DESCRIPTION	BOWL CAPACITY	QUANTITY
F36740-0001	*Sterile*	*1.25ml (0.04oz)*	*100*
F36740-0110	*Sterile*	*1.25ml (0.04oz)*	*10*
F36740-0002	*Sterile*	*2.5ml (0.08oz)*	*100*
F36740-0210	*Sterile*	*2.5ml (0.08oz)*	*10*
F36740-0003	*Sterile*	*5.0ml (0.17oz)*	*100*
F36740-0310	*Sterile*	*5.0ml (0.17oz)*	*10*
F36740-0004	*Sterile*	*8.0ml (0.27oz)*	*100*
F36740-0410	*Sterile*	*8.0ml (0.27oz)*	*10*
F36740-0005	*Sterile*	*20ml (0.67oz)*	*100*
F36740-0510	*Sterile*	*20ml (0.67oz)*	*10*
F36740-0021	*Non-sterile*	*1.25ml (0.04oz)*	*12*
F36740-0022	*Non-sterile*	*2.5ml (0.08oz)*	*12*
F36740-0023	*Non-sterile*	*5.0ml (0.17oz)*	*12*
F36740-0024	*Non-sterile*	*8.0ml (0.27oz)*	*12*
F36740-0025	*Non-sterile*	*20.0ml (0.67oz)*	*12*

All sterile products are lot stamped for accurate tracing.

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Sterileware® Sampling Spoons

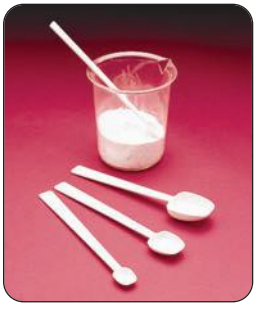
For Smaller Sampling Requirements

Designed to gather small amounts of sample material, these sampling spoons are 17.8cm (7") long and available in four bowl sizes. The long handle reaches easily into jars, bottles and other confined areas, and minimizes the potential of personal contact with sampled material. **Available in sterile, polystyrene or non-sterile, polypropylene.**



Sterile polystyrene, box of 10 or 200, individually sterile wrapped spoons.

CATALOG NO.	CAPACITY	WIDTH	QUANTITY
H36940-0000	1.23ml (¼ teaspoon)	20mm	200
H36940-0010	1.23ml (¼ teaspoon)	20mm	10
H36942-0000	2.46ml (½ teaspoon)	25mm	200
H36942-0010	2.46ml (½ teaspoon)	25mm	10
H36944-0000	4.93ml (1 teaspoon)	30mm	200
H36944-0010	4.93ml (1 teaspoon)	30mm	10
H36946-0000	14.79ml (3 teaspoons)	39mm	200
H36946-0010	14.79ml (3 teaspoons)	39mm	10



Non-sterile polypropylene, 12 per pack, 12 packs per case.

CATALOG NO.	CAPACITY	WIDTH
F36723-0000	1.23ml (¼ teaspoon)	20mm
F36724-0000	2.46ml (½ teaspoon)	25mm
F36725-0000	4.93ml (1 teaspoon)	30mm
F36726-0000	14.79ml (3 teaspoon)	39mm
F36727-0000	Assortment: 3 of each size listed above	

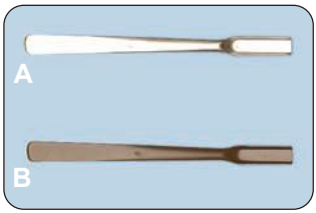
All sterile products are lot stamped for accurate tracing.

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Stainless Steel Balance Spoons

Choice of Polished Steel or Non-Stick Teflon®

The balance spoon is 17cm (6.7") long and has a square trough-type spoon end 44 x 8.9mm (1.75 x 0.35") which holds about 1ml. **2 per bag.**



CATALOG NO.	DESCRIPTION
H36706-0000	A. Stainless steel
H36707-0000	B. Stainless steel with Teflon® FEP coating



Stainless Steel Lab Spoon and Spatula

Extra Length for Sampling from Larger Bottles

This large stainless steel lab spoon is 30.5cm (12") long for reaching into larger bottles. One end is a flat spatula measuring 3.1cm (1¼") wide; the spoon end is 3.7cm (1½") wide and holds 5ml. The connecting bar is 14mm (½") wide. **Per each, 12 per case.**

CATALOG NO.
F36711-0012

Stainless Steel Coated Lab Spoon and Spatula



Coated with Fluo-Kem® Teflon®

Stainless steel spoon and spatula ends are coated with brown, Fluo-Kem® Teflon® FEP. This coating complies with FDA regulations governing direct food contact and provides an anti-stick, corrosion-resistant surface. The 4mm (5/32") diameter rod is flattened at one end to give an 8 x 51mm (5/16 x 2") spatula. The opposite end is a 13 x 25mm (½ x 1") spoon. Overall length is 22.9cm (9"). **Per each, 24 per case.**

CATALOG NO.
H36711-0000

For Sample Storage Bottles, See Pages 29-35

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Stainless Steel Spoons

Double-Ended with Two Bowl Sizes

Double-ended, 304 stainless steel spoons with a solid, rounded shaft. Available in plain polished stainless steel or coated with Fluo-Kem® Teflon® FEP, which complies with FDA regulations governing direct food contact applications. **2 per bag.**



STAINLESS STEEL TEFLON®

304 Grade Stainless Steel

CATALOG NO.	SMALL SPOON	LARGE SPOON	LENGTH
H36729-0015	0.5ml	2.0ml	15cm
H36729-0018	0.8ml	2.8ml	18cm
H36729-0021	1.6ml	3.0ml	21cm
H36729-0025	1.8ml	5.0ml	25cm
H36729-0030	2.0ml	8.0ml	30cm

Fluo-Kem® Teflon® FEP Coated Ends

CATALOG NO.	SMALL SPOON	LARGE SPOON	LENGTH
F36730-0015	0.5ml	2.0ml	15cm
F36730-0021	1.6ml	3.0ml	21cm
F36730-0030	2.0ml	8.0ml	30cm



Ellipso-Spoon® Samplers

Unique Shape Means No Missed Sample in Corners

This utensil's specially curved shape permits contact with all corners of bottles and containers; therefore, no loss of material occurs. Crystals, powders, granulated and solid substances, and even thick liquids are easily retrieved and never fall back into the container. The Ellipso-Spoon® Sampler has a spoon end and a spatula end and is made of polished 304 grade stainless steel. **Per each, 12 of one size per case.**

STAINLESS STEEL

CATALOG NO.	BOWL CAPACITY	BOWL SIZE	DIAMETER OF HANDLE	LENGTH
H36806-0015	1.6g/10ml	15 x 35mm	5mm	15cm
H36806-0018	1.6g/10ml	15 x 35mm	5mm	18cm
H36807-0021	1.6g/10ml	15 x 35mm	5mm	21cm
H36807-0025	1.6g/10ml	15 x 35mm	5mm	25cm
H36808-0030	7.5g/70ml	28 x 65mm	8mm	30cm
H36809-0040	7.5g/70ml	28 x 65mm	8mm	40cm
H36809-0050	7.5g/70ml	28 x 65mm	8mm	50cm

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NEW PRODUCT!



Micro Spoon and Spatula Weighing Set

Accurate Handling of Minute Quantities

This kit includes six different small size double-ended tools and tweezers. Each tool has two different end shapes, doubling the selection of implements to better match user needs. Tool ends include 2 small spoons for transferring and collecting both dry and liquid material. There are also 8 flat spatulas of various widths and lengths ideal for mixing, scraping and spreading. Six of these have a square end and two are rounded. Two V-shaped spatulas of different sizes can be used for lifting or spill-free carrying of material. The blunt tip tweezers have serrated inside surfaces for secure sample handling and grooved handles for better gripping.

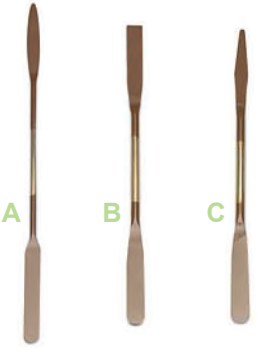
All tools are polished stainless steel for long life and easy cleaning and can be steam autoclaved at 121ºC (250ºF). A carrying case protects and organizes all tools when not in use.

CATALOG NO.	DESCRIPTION
F36705-0000	*7 pc. Micro Tool Set*

Stainless Steel Micro Spatulas

Fluo-Kem® Teflon® FEP Coated Stainless Steel

Stainless Steel rod with flat ends, 7.9 x 50mm (5/16 x 2"). Ends are covered with brown Teflon® FEP, which complies with FDA regulations governing direct food contact applications. Available with straight or tapered blade. **2 per bag, 12 bags per case.**



CATALOG NO.	DESCRIPTION
H36700-0000	*A. 2.7mm diameter x 19cm long (0.105 x 7½") tapered to 3mm (⅛")*
H36703-0000	*B. 4mm diameter x 18.4cm (0.156 x 7¼")*
H36704-0000	*C. 4mm diameter x 18.4cm (0.156 x 7¼") tapered to 0.8mm (1/32")*

SHOP www.belart.com

Quaver® Vibrating Spatulas



Non-Motorized Vibrating Spatulas

Make accurate additions of precious materials as needed. Rotating the toothed thumb wheel vibrates the spatula, giving you control over transfer from spatula to weighing dish. Available with a plain stainless steel blade or with a brown Fluo-Kem® Teflon® FEP coating. The coating complies with FDA regulations governing direct food contact applications and reduces transfer losses. 19cm (7") long. **Per each, 24 per case.**

CATALOG NO.	DESCRIPTION
H36714-0000	*A. Stainless steel blade*
H36715-0000	*B. Brown Teflon® FEP coated stainless steel blade*



Quaverette® Micro-Blade Vibrating Spatulas

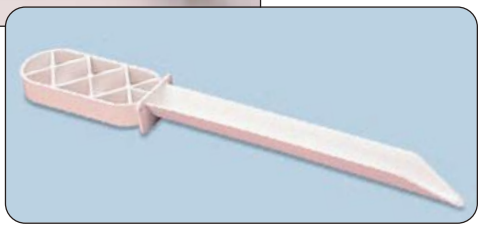
Micro-Blade Reaches Into Small Containers and Tight Corners

Offers the same features as the Quaver® Vibrating Spatula, but permits utilization of smaller quantities and containers. Its narrow V-shaped blade and 21cm (8¼") length maneuvers easily into small mouth containers and tight corners. Available with brown Fluo-Kem® Teflon® FEP coating which complies with regulations governing direct food contact applications. **Per each, 24 per case.**

CATALOG NO.	DESCRIPTION
H36718-0000	*A. Stainless steel blade*
H36719-0000	*B. Brown Teflon® FEP coated stainless steel blade*

SHOP www.belart.com





Sterileware® Sampling Spatula

V-Shaped Spatula Ideal for Caked Granules or Powder

This V-shaped spatula is ideal for every type of powdered or granulated material and for taking samples from bags, containers or directly from the production line. The sturdy point can be used to break up caked material, aiding in effective sample collection. Overall length is 22.9cm (9"), with the spatula comprising 15.2cm (6"). Spatula width is 19mm (¾"). **Available in sterile, polystyrene or non-sterile, polypropylene.**

Sterile Sampling Spatula

CATALOG NO.	DESCRIPTION
H36930-0000	*Sterile, polystyrene - 100 individually wrapped pieces*

Non-Sterile Sampling Spatula

CATALOG NO.	DESCRIPTION
F37840-0000	*Non-sterile, polypropylene - 12 pieces*

Reagent Digger

The Ideal Utensil for Retrieving Stubborn Samples



Dislodge stubborn, caked or crystallized reagents from deep down inside a bottle or vessel that has a minimum neck diameter of 24mm (15⁄16"). This stainless steel ergonomically designed Reagent Digger is a time-tested tool, based on confirmed geometry. The shape facilitates scooping, shoveling, digging and measuring of all powdered, flaked, crystalline or granular media and has an overall length of 22.9cm (9"). **Per each, 6 per case.**

CATALOG NO.
F36713-0000

SHOP www.belart.com



A. Policeman – Teflon®

Made of a Teflon® TFE 7.9mm (5/16") diameter rod with flattened ends. 25.4cm (10") long. Steam autoclavable at 121ºC (250ºF). **Per each, 12 per case.**

CATALOG NO.
H37738-0000

B. Policeman – Polypropylene

Round polypropylene rod with one end flattened and cut diagonally. 4.7mm (3/16") diameter, 20.3cm (8") long. Steam autoclavable at 121ºC (250ºF). **6 per bag, 12 bags per case.**

CATALOG NO.
F37739-0001

C. Large Policeman

Steel Reinforced Polyethylene

The handle of this policeman contains a rigid 6mm (¼") steel rod enclosed in polyethylene. The tapered flattened end is 25mm (1 x 1"). Overall length 20.3cm (8"). Blister packed. **6 per bag, 12 bags per case.**

CATALOG NO.
F37739-0002

D. Stirring Rod

Autoclavable to Avoid Contamination

Solid, polypropylene stirring rod with rounded end, 4.7mm (3/16") diameter x 20.3cm (8") length, is steam autoclavable at 121ºC (250ºF). **6 per bag, 12 bags per case.**

CATALOG NO.
F37766-0008

SHOP www.belart.com





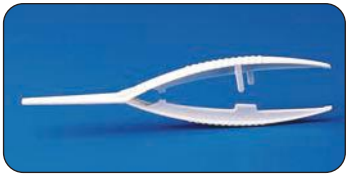
Sterileware® Mini Tongs

Ridged Jaws Securely Hold Wet or Dry Samples

These small lightweight tongs are ideal for sampling small quantities of material ranging from food to pharmaceuticals. One piece, sterile tongs are made from polystyrene and have an overall length of 11cm (4¼"). Packed ready for one time use and disposal. **25 individually sterile wrapped tongs per box.**

PS

CATALOG NO.
F37944-0000



Polypropylene Forceps

Serrated Tips for Secure Grasp

These polypropylene forceps are 12.7cm (5") long with serrated tips to ensure a firm grasp. Strong and durable, they are steam autoclavable up to 121ºC (250ºF). **6 per bag, 72 bags per case.**

PP A

CATALOG NO.
F37920-0000

SHOP www.belart.com

Tefzel® Forceps



Withstands High Temperatures

Tefzel® Fluorocarbon forceps are 11.4cm (4½") long with smooth square tips 1.6mm (1/16") wide. Autoclavable. Will withstand temperature up to 199ºC (390ºF). Excellent for handling small balance weights. Individually blister packed. **Per each, 12 per case.**

A

CATALOG NO.
H37922-0000



A



B



C

Teflon® Coated, Steel Forceps

Meets FDA Regulations Involving Food Contact

Fluo-Kem® Teflon® FEP coating protects against corrosion at low or high temperatures and provides an anti-stick surface to prevent material build-up. Complying with FDA regulations covering direct contact with food, the brown coating is soft and will not scratch or mar delicate surfaces. All forceps are 9.8cm (3⅞") long with medium points. Select the coated length ideal for your use. **2 per bag, 24 bags per case.**

STAINLESS STEEL TEFLON®

CATALOG NO.	COATED LENGTH
A. *H37936-0000*	*19mm (¾" tip)*
B. *H37935-0000*	*38mm (1½" tip)*
C. *H37937-0000*	*Full Coating, 98mm (3⅞")*

Hot Hand® Protector for Safely Handling Hot & Cold Objects, See Page 314

Cover Glass Forceps



Wide Tips for Lifting Cover Glasses

Fully coated with brown Teflon® containing FEP, these forceps comply with FDA regulations concerning direct food contact. Available in two styles, bent or straight tip. **2 per bag, 24 bags per case.**

TEFLON®

CATALOG NO.	DESCRIPTION
H37942-0000	*Bent - 10.2cm (4") long*
H37943-0000	*Straight - 11.4cm (4½") long*

SHOP www.belart.com

Curved Forceps

Gently Curved Stainless Steel for Exacting Work

The exceptionally fine tips of these forceps are coated with brown Fluo-Kem® Teflon® FEP which complies with FDA regulations covering direct contact with food. 9.8cm (3⅞") long, with serrated, curved tips. **2 per bag, 24 bags per case.**



CATALOG NO.
H37940-0000



Stainless Steel Tongs

Teflon® Coated Tips for Quick Release

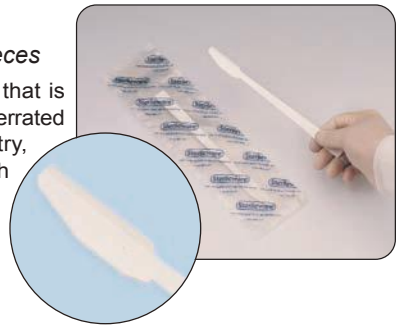
Laboratory type tongs are coated with brown Teflon® containing FEP which complies with FDA regulations governing direct food contact applications. 7.6cm (3") coated tips. Overall length 23cm (9"). **Per each, 24 per case.**

CATALOG NO.
H37945-0000

SHOP www.belart.com

Sterileware® Sampling Knife

Ideal for Cutting Small Samples from Fibrous Pieces



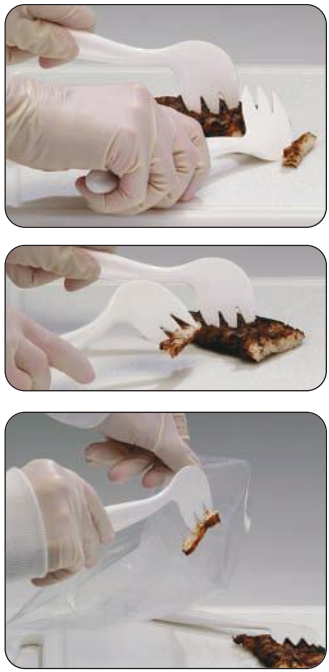
This sterile polystyrene sampler knife has a blade that is serrated on one edge and smooth on the other. The serrated edge is capable of cutting seafood, meat, poultry, vegetables and other fibrous materials. Overall length is 20.9cm (8¼"). Individually sterilized and packed in a polyethylene bag. Ready for one time use and disposal. **200 individually sterile wrapped knives per box.**

PS

CATALOG NO.
H36965-0000

Sample Cutter Set

Multi Function Tool



The Sample Cutter is a one-piece polycarbonate tool for handling samples of semi-solid foods or materials. The three tined fork has a sharp rocker knife on its back edge and a strong handle. Tools are sold in pairs so that one tool can be used as a fork to hold the material on a flat surface or cutting board while the knife edge of the other tool is used in a rocking and sawing motion to cut off a sample. Samples can be picked up using the fork tines. The tool is 19 cm (7.5") long. Autoclavable at 121°C (250°F) and safe to put into a commercial dishwasher. **2 per bag.**

PC A

CATALOG NO.	DESCRIPTION
F36966-0000	*Sample Cutter - 2 pc.*

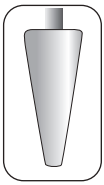
SHOP www.belart.com

Teflon® Pestles for Microcentrifuge Tubes

Two Shapes for Best Tube Fit

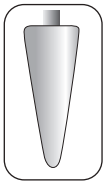
Ideal for resuspending lyophilized products or precipitates, and for homogenizing samples in a microcentrifuge tube. The Teflon® pestle is mounted on a stainless steel shaft, 3.2 mm (⅛") in diameter that may be hand held or mounted in a motorized chuck. Available with a flat or rounded tip. Overall length 14.3cm (5⅝"). Steam autoclavable at 121ºC (250ºC).





A. **Flat Tip**
F19922-0000
F19922-0004





B. **Rounded Tip**
F19922-0001
F19922-0005

Illustrations are actual size.
Use to determine the best pestle shape for your needs.

CATALOG NO.	DESCRIPTION
A. *F19922-0000*	*Pestle for 1.5ml microcentrifuge tube, flat tip cone*
B. *F19922-0001*	*Pestle for 1.5ml microcentrifuge tube, rounded tip cone*



Double-Ended Teflon® Pestles for Microcentrifuge Tubes

One end fits a 1.5ml microcentrifuge tube, and the other end fits a 0.5ml tube. Available in flat or rounded tip. Stainless steel shaft with an overall length of 15.2cm (6").

CATALOG NO.	DESCRIPTION
A. *F19922-0004*	*1.5ml/0.5ml flat tips*
B. *F19922-0005*	*1.5ml/0.5ml rounded tips*

SHOP www.belart.com





Disposable Polypropylene Pestles and 1.5ml Tubes

Matched Shape for a Perfect Fit

These disposable pestles are 8.5cm (3½") long and are supplied with 1.5ml microcentrifuge tubes of the same shape. Excellent for resuspending bacterial cells, precipitates of nucleic acids or proteins and pellets of other materials. **100 per bag, 10 bags per case.**

CATALOG NO.	DESCRIPTION
F19923-0000	*100 Pestles and 1.5ml tubes*
F19923-0001	*100 Pestles Only*



Extended Handle Pestle

Autoclavable

Polypropylene tissue grinder efficiently homogenizes tissue and cells in microcentrifuge, centrifuge and grinding tubes. The cone tip tapers from 8.2mm (0.33") down to 2.9mm (0.12") in a length of 19.8mm (0.78") and has a rounded end. 21cm (8¼") long overall with a 4.7mm (3⁄16") diameter shaft. Steam autoclavable at 121ºC (250ºF). **6 per bag, 6 bags per case.**

CATALOG NO.	DESCRIPTION
F19921-0001	*Conical Grinder, 1.5ml capacity*

Stir and Add™ Cuvette Mixers

Provides Complete Mixing

Made of clear acrylic with a straight handle, this tool is used when reactions are performed directly into cuvettes, to mix added reagents. Up and down motion in cell provides complete mixing. Shaft diameter: 3.17mm (0.125"). **3 per bag, 12 bags per case.**



CATALOG NO.	DESCRIPTION	SHAFT LENGTH	MIXER DIMENSIONS
F37752-0000	*For 10mm light path cells*	*11.4cm (4.5")*	*9.1 x 9.1mm (0.36 x 0.36")*
F37752-0001	*For semi-micro cells*	*12.9cm (5.125")*	*9.1 x 3.6mm (0.36 x 0.14")*

SHOP www.belart.com

Liquid Nitrogen Cooled Mortar



Grind Frozen Samples without Liquid Nitrogen Hazards

A 304 stainless steel mortar is suspended by three brackets above a stainless steel bowl which holds liquid nitrogen. The bowl is nested in a heavily insulated blue polyethylene housing. The mortar has an insulated handle, 10.2cm (4") long, that is removable for saving space. The housing measures 16.5cm (6½") in diameter x 11.4cm (4½") high and has three suction cup feet. The recommended size pestle is any size appropriate for a 275ml mortar. Pestle not included.

PE STAINLESS STEEL

CATALOG NO.	DESCRIPTION
H37260-0000	*Stainless Steel Ladle (bowl and detachable handle) and Stainless Steel Reservoir in a polyethylene housing*

Stainless Steel Mortar

Spare mortars are useful for grinding different types of samples on the same day. Handle not included. The mortar's tang fits into the removable handle included in the H37260 mortar set shown above. Pestle not included.

STAINLESS STEEL

CATALOG NO.	DESCRIPTION
H37260-0001	*Stainless Steel Mortar (Bowl only, no handle)*



Mini-Sieve™ Micro Sieve Set

For Handheld Use in Lab or Field

This micro sieve set consists of a stack of four interchangeable screen holding sections, a catch pan, a cover and four screen retaining rings. All parts are molded of polypropylene. Sections are friction-fit and easy to assemble and take apart for sample retrieval. Sorting parameters can be changed by exchanging the removable phosphor-bronze mesh inserts, (eight included, one each: 25, 35, 45, 60, 80, 120, 170 and 230 standard mesh). Each holding section is 56 mm (2¼") I.D. x 41 mm (1⅝") high, and holds about 60 cc. Dimensions of the assembled set with pan and cover are 21.6cm (8½") high x 7.2cm (2⅛") maximum diameter.



Additional Mesh Inserts: Pack of 8 Phosphor-Bronze screen inserts, 1 each of 710, 500, 355, 250, 180, 125, 90, and 63 standard mesh.

PP

CATALOG NO.	DESCRIPTION	CASE
F37845-1000	*Mini-Sieve™ Micro Sieve Set*	*12*
F37846-0000	*Additional Mesh Inserts*	*N/A*

SHOP www.belart.com

Tapered Plug Sampler



Punctures Packaging to Retrieve Samples

A smooth, tapered, stainless sampler for extracting a "plug" of material from bags or blocks of cheese, grease, soap, clay, etc. The sharp end of the satin finish sampler will cut through a bag or box. Twisting the handle one-half turn will cut out a plug of material 15.2cm (6") long tapering from 1.7cm (1/16") to 1.3cm (½"). Overall length is 19.1cm (7½"). 7cm (2¾") "T" handle.

STAINLESS STEEL

CATALOG NO.
H37826-0000

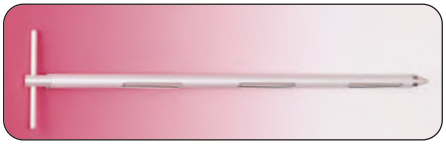
Needlepoint Sampler



Minimize Damage When Taking Samples from Bags

Especially useful for single samples from polyethylene or paper bags, the needle point sampler punctures the bag with minimum damage, enters a maximum of 28cm (11") deep, and is pulled out with sample ready to be poured out of the hollow handle. Made of chrome-plated brass with a screw-on anodized aluminum handle. Overall length: 41cm (16"). Diameter: 2.2cm (⅞").

CATALOG NO.
H37831-0000



Three Zone Powder Sampler

Extract Samples at 3 Levels from One Container

For proper sampling of powders, pellets and other friable materials which may become non-homogeneous in bags, this three zone sampler is invaluable. Made of 1.9cm (¾") diameter anodized aluminum with a sharp stainless steel point; it is 56cm (22") long and has three ports 7.6cm (3") apart. The ports are 7.6cm (3") long x 1cm (0.39") wide with a volume of 9cc. The distance from the point to the first port is 4.3cm (1¾"). The "T" handle is turned to close the sample cells, and the steel point is inserted through the bag wall. When the sampler is in deep enough to cover the three cells, a half turn of the handle allows samples to enter. The handle is then returned to the original position. The sampler is removed and the three samples transferred into containers for analysis.

STAINLESS STEEL ALUMINUM

CATALOG NO.
H37829-0000

SHOP www.belart.com



Micro-Mill® Grinders

With Interchangeable Grinding Chambers

For rapid, high-speed grinding of small samples from 20 to 50cc. Stainless steel or hard-faced blade rotates at speeds up to 12,000 rpm to successfully grind bauxite, bone, ceramics, coal, Devorda's alloy, fertilizer, filter paper, fly ash, frozen tissue, glass, grain, kaolinites, leaves, limestone, pharmaceuticals, pigment blends, plastics, rocks, roots, shale, seeds, slags, soil, teeth, wood, etc. To provide safety and prevent sample loss, the grinder operates only when the cover is latched in place.

Temperature is maintained by means of built-in heat exchangers, and the control panel has an overload protection reset button and a pilot light. Tubing connections 6.4mm (¼") on the cover and housing accept tubes for circulating water or slurry. Cover, grinding assembly and milling blade head are removable for cleaning. The stainless steel chamber is 54mm diam x 25mm deep (2⅛ x 1") inside an aluminum housing with an epoxy finish and non-skid rubber feet.

The ⅛ horsepower (150 Watts) motor develops a torque of 2.2 kg-cm (30 oz-inches) at 12,000 rpm. Supplied with a 1.8M (6ft) 3-wire cord and grounded plug. Overall dimensions are 14 x 18 x 28cm high (5½ x 7 x 11"). Shipping weight. 6.4 kg (14lbs).

Three models available:

STAINLESS STEEL ALUMINUM

MICRO-MILL® GRINDER with stainless steel blade and grinding chamber, and momentary hold-down switch. Operates only when switch is held down.

CATALOG NO.	DESCRIPTION
H37250-0000	*115VAC, 60 Hz*

MICRO-MILL® GRINDER with stainless steel blade and grinding chamber. 0-5 minute timer with "ON" position for continuous operation.

CATALOG NO.	DESCRIPTION
H37252-0000	*115VAC, 60 Hz w/ electrical timer*
H37252-0001	*230VAC, 60 Hz w/ electrical timer*

MICRO-MILL® GRINDER with hard, stellite faced blade and grinding chamber, with timer.

CATALOG NO.	DESCRIPTION
H37254-0000	*115VAC, 60 Hz*

Micro-Mill Grinder® Replacement Blades
For H37250 and H37252. No. 304 Stainless Steel blade.

CATALOG NO.
H37257-0000

Micro-Mill Grinder® Hard-Faced Blade
For H37254. Stellite-faced blades for grinding samples up to hardness of stellite 6.

CATALOG NO.
H37258-0000

SHOP www.belart.com

NEW PRODUCT!







Micro-Mill® II Grinder

The Micro-Mill® II Grinder (photo A) is ideal for rapid, high speed milling of small samples from 20 to 50ml. The ⅛ horsepower (150 Watt) motor drives a stainless steel blade that quickly pulverizes bauxite, bone, ceramics, coal, Devorda's alloy, fertilizer, filter paper, fly ash, frozen tissue, glass, grain, kaolinites, leaves, limestone, frozen tissue, pharmaceuticals, pigment blends, rocks, roots, shale, seeds, slags, soil, teeth, wood, and more! This motor is designed to provide continuous high torque to maintain blade velocity for fastest sample pulverizing.

The two-position rocker switch allows either pulse or continuous operation to match with sample requirements. The rocker switch includes a light that illuminates when the unit is properly assembled and ready for use.

Additional safety features include a built-in switch that prevents grinder operation unless all parts are completely assembled to the base and a resettable circuit breaker that protects the mill if the sample jams the blade. Non-skid feet prevent movement of the mill during use and won't mar benchtops.

The grinding chamber assembly is removable to allow complete sample recovery and cleaning. An additional accessory grinding chamber (photo B) can be used to reduce cross contamination between dissimilar samples. The accessory chamber includes upper and lower grinding chamber sections with blade and is ready for immediate assembly to the Micro-Mill® II Grinder. For users pulverizing very hard material, a stellite faced hard blade (photo C) is available (H37258-0000).

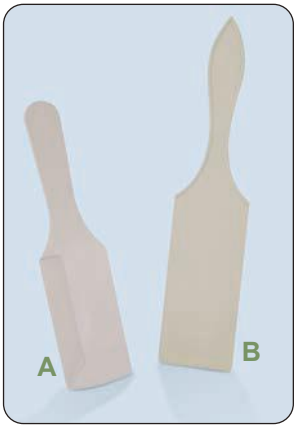
Softer samples or temperature-sensitive samples, such as frozen tissue, leaves, roots, seeds and wood can be processed by adding dry ice to the grinding chamber during processing.

Supplied with a 1.8M (6 ft) 3-wire grounded cord. Overall dimensions are 30.5 x 26 x 15.9 cm high (12" x 10¼" x 6¼"). Shipping weight: 2.72 kg (6 lbs).

CATALOG NO.	DESCRIPTION
A. F37250-0010	Micro-Mill® II Grinder, 115VAC, 60Hz
B. F37250-0011	Micro-Mill® II Accessory Grinding Chamber
C. H37258-0000	Hard-Faced Accessory Blade

SHOP www.belart.com

Rigid Scrapers



A. Smooth Chisel-Type Scraper

Flat polystyrene blade is 59mm (2 15/16") wide with tapered sharp edge slightly curved. Side edges are rounded. Blade is 108mm (4¼") long. Overall length: 23.2cm (9⅛").

PS

CATALOG NO.
H36819-0000

B. Long Rigid Scraper

Blade May Be Resharpened to Restore Edge

Made from glass-reinforced polyimide nylon, the scraper is 63mm (2 7/16") wide with a 14cm (5½") long flat blade. The straight, chisel-type, 63mm wide scraping edge may be resharpened. Overall length: 28.6cm (11¼"). Highest temp: 180ºF (82ºC).

NYLON

CATALOG NO.
H36820-0000



Triangular Scraper

No Metal, No Scratching, No Bending

The rigid, chisel-edged triangular blade is tapered and fans out to a width of 11.1cm (4⅜"). The handle is shaped for a comfortable and secure grip. Overall length is 24.8cm (9¾"). Made from white polypropylene. Steam autoclavable at 121ºC (250ºF).

PP A

CATALOG NO.
F36820-0001

Long Handled Scraper



Will Not Scratch Glass

Rigid nylon scraper with only slight flexibility is attached to a fiberglass handle, which is grooved to provide a secure grip when reaching into deep vessels. The scraper/paddle is 11.4 x 17.8cm long (4½ x 7") with one rounded corner.

NYLON

CATALOG NO.	OVERALL LENGTH
F36829-0001	*152cm (60")*

SHOP www.belart.com

Scrapers



Choice of Handle Length

Smooth, chemical-resistant scrapers are useful for removing residues from filters, cleaning containers, mixing and distributing solids in fluids, spreading pastes over large areas, and many other scraping, spreading, stirring or residue removing tasks. The blade is 12.7cm (5") wide x 15.2cm (6") long and tapers from 9.5mm (⅜") down to a chisel edge. The upper end extends into a hexagonal shank 35mm (1⅜") wide.

HDPE LDPE

HARD HIGH-DENSITY POLYETHYLENE

CATALOG NO.	DESCRIPTION	COLOR
F36830-0000	*Scraper with 25cm (10") handle*	*Red*
F36831-0000	*Scraper with 91cm (36") handle*	*Red*
F36832-0000	*Scraper with 183cm (72") handle*	*Red*

SOFTER LOW-DENSITY POLYETHYLENE (MAX TEMP IS 80°C)

CATALOG NO.	DESCRIPTION	COLOR
F36830-0001	*Scraper with 25cm (10") handle*	*White*
F36831-0001	*Scraper with 91cm (36") handle*	*White*
F36832-0001	*Scraper with 183cm (72") handle*	*White*

Spatulas including Policeman available, See Page 346-349

Churn Sample Splitters





Mix and Divide a Water Sample into Subsamples for Testing

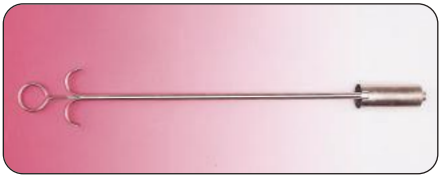
Provides an efficient method of preparing subsamples of collected water-sediment mixtures from stream flows for water quality analysis. Water sediment samples are poured into the sample splitter where they are composited into one representative cross section sample of the stream flow. This composite can now be split into the required four to sixteen representative subsamples.

The polyethylene sample splitter consists of a thick walled cylindrical vessel with a disc churn. A center handle extends through the cover and a locating notch keeps it oriented in one direction. A small polypropylene spring-loaded spigot drains the subsamples into bottles for delivery to the water quality laboratory. A carrying handle makes carrying the full or empty vessel easy. Lid and spigot are replaceable.

PP PE

CATALOG NO.	SIZE	DIAMETER	HEIGHT	HEIGHT W/HANDLE UP
F37805-0004	*4 liter (1 gal)*	*17cm (6½")*	*30cm (12")*	*44cm (17½")*
F37805-0008	*8 liter (2 gal)*	*22cm (8½")*	*28cm (11")*	*41cm (16⅛")*
F37805-0014	*14 liter (3.7 gal)*	*27cm (10½")*	*30cm (12")*	*50cm (19¾")*

SHOP www.belart.com



Liquid Sampler

Bottom Valve for Convenient Emptying, Ideal for Viscous Liquids

A 50ml (1.65oz) liquid sampler made for immersion into a can, bottle, tank, vat, etc. The nickel-plated brass cup and tubular handle with finger grips are 45cm (17½") long. A center rod with finger ring actuates a valve in the bottom of the cup for rapid and convenient emptying when sample is retrieved. Overall length 50cm (19¼"), cup diameter 32mm (1¼"). Cup is not replaceable, and does not detach.

CATALOG NO.
H37827-0000

Sampler Syringe



Invert Syringe to Store Sample in Bulb, FDA Approved

Polypropylene tube can be placed into hot liquids up to 135°C without fear of damage. It features a graduated capacity of 30cc (1oz) and squeeze bulb graduated to 100ml in 5ml increments. Operation is simple: squeeze bulb to draw liquids into tube. If the liquid is not to be transferred into another vessel, the syringe can be inverted and the liquid will be contained in the graduated bulb. Overall length 30cm (11¾"). **Per each, 12 per case.**

PP A

CATALOG NO.
F37879-0000



Bellows Samplers

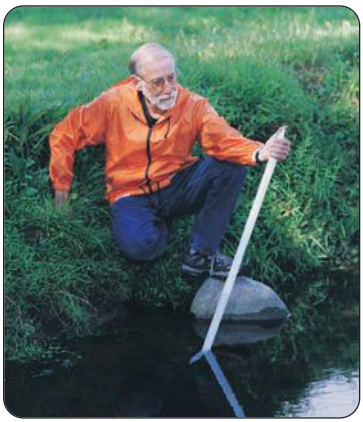
Easy One-Hand Operation, FDA Approved

Bellows samplers provide quick and easy sampling with one hand operation. The polyethylene sampler tube has a long tapered tip with a 4mm opening. **5 per bag, 5 bags per case.**

PE

CATALOG NO.	DESCRIPTION
H37823-0020	*20ml sampler, 39cm (15¼") long.*
H37823-0050	*50ml sampler, 50cm (19½") long.*

SHOP www.belart.com





Sample Thief

Hand Controlled Liquid Sampler

Polyethylene sampler has tapered tips welded to a 29mm (1⅛") diameter tube, 91cm (36") long. End openings are 4.7mm (3⁄16") diameter. Overall length 105cm (41½"). Maximum capacity approximately 475ml. Other sizes made to order.

PE

CATALOG NO.
F37878-0000



Safety Acid/Caustic Samplers

Retrieve Samples from Large Volume Tanks

Excellent for sampling from tank cars, tank trucks and barges, these samplers are well suited for sodium hydroxide, potassium hydroxide, hydrochloric acid, acetic acid, formaldehyde, sulfuric acid, etc. A 500cc (16oz) polyethylene bottle is screwed onto a 10cm (4") long, 38mm (1½") diameter bar which has a slot for fluid entry. The upper end of the bar is threaded to accept the handle.

PE

CATALOG NO.	DESCRIPTION
H37801-0000	*With .9m (3ft.) handle (one-piece)*
H37802-0000	*With 2.43m (8ft.) handle (two-piece screw joint)*

500cc (16oz) Replacement Bottles, Catalog No. F10611-0016, See Page 34

SHOP www.belart.com



Ladles

Safely Sample and Dispense Corrosive Liquids

High-density polyethylene ladles feature a rigid bowl with a handle securely welded at an ergonomically efficient angle. **Per each, 12 per case.**

HDPE

CATALOG NO.	CAPACITY	HANDLE
F36774-0000	50ml (1¾oz)	23cm (9")
F36776-0000	250ml (8⅛oz)	23cm (9")





Long-Handled Dippers

Available in Choice of Handle Lengths

For easy sampling from tanks, vats, lakes, etc., these high-density polyethylene dippers will not rust or corrode, provide excellent chemical resistance and float, "just in case." Handle is 3.7m (12 ft) x 2.9cm (1⅛") diameter and welded to the rigid bowl at a 45° angle. 12 foot handle is available in one piece or two-piece screw-together construction. A wooden dowel inside the 6 and 12 foot handles adds extra strength and rigidity. **Per each, 12 per case.**

Contact us to customize your order with scoops in place of cups. Other styles also made to order.

HDPE

CATALOG NO.	BOWL SIZE	HANDLE LENGTH	HANDLE
F36780-0016	500ml (16oz)	0.91m (3ft)	1 piece
F36780-0032	1000ml (32oz)	0.91m (3ft)	1 piece
F36781-0016	500ml (16oz)	1.8m (6ft)	1 piece
F36781-0032	1000ml (32oz)	1.8m (6ft)	1 piece
F36782-0016	500ml (16oz)	3.7m (12ft)	2 pieces
F36782-0032	1000ml (32oz)	3.7m (12ft)	2 pieces
F36782-0116	500ml (16oz)	3.7m (12ft)	1 piece*
F36782-0132	1000ml (32oz)	3.7m (12ft)	1 piece*

** One piece handles measuring 12 ft. cannot be shipped via small package carrier.*

SHOP www.belart.com

Water Sample Dipper



Handle Adjusts for up to 274cm (9 Ft) Extended Reach

For taking samples of water, sewage, wastes and effluents from lakes, streams, tanks, or ponds, the water sample dipper provides a long reach for otherwise inaccessible spots. A 1000ml graduated polypropylene pitcher is mounted on an aluminum tube handle. The handle has 3 parts, a 91cm (3ft) lower section, a 112cm (44") telescoping section, and an additional 91cm (3ft) upper section. Connections are made with spring buttons with adjusting steps, 15cm (6") apart. Minimum handle length is 91cm (3ft), maximum length is 274cm (108"). Handle diameter is 2.5cm (1") with 2.2cm (⅞") telescoping tube.

PP ALUMINUM

CATALOG NO.
F37807-0000

Custom Sizes Available Upon Request, Call 1-800-4BEL-ART





Economy Dippers

Replaceable Cups for Sampling

For convenient sampling from tanks, vats, streams, ponds, lakes, etc., these economy dippers are lightweight, easy to use and portable. The polypropylene cups have threaded fittings that screw onto the handle. Two pouring spouts on the 500ml (16oz) dipper make it useful for left or right handed people to pour from either side. The high-density polyethylene handles are strong honeycomb tubes without inserts and are ribbed for a sure grip. The end of the handle has a hook for hanging storage.

PP HDPE

CATALOG NO.	LENGTH
F36784-0016	Dipper with 91cm (3ft) handle
F36785-0016	Dipper with 183cm (6ft) handle
F36786-0016	Extra screw-on cups 500ml (16oz)

SHOP www.belart.com



Poly-Hand Pumps

- *All polyethylene construction for chemical resistance*
- *Fits all standard drum bungs or carboys*
- *Ergonomic handle*

The Poly-Hand pump threads directly to a standard drum bung or carboy. It is constructed entirely of rugged polyethylene and is inert to strong acids, alkalis and many solvents. Sizes are available to fit 114L and 220L (30/50gal) plastic or steel drums and 20L (5gal) carboy (F10795-0000). The pump delivers by positive pressure on the downstroke of the piston and does not pressurize the vessel. Its ergonomic 'T' handle fits comfortably in a gloved hand. The pump will efficiently deliver against a 3.65m (12ft) head of water and empty a drum or carboy to within 3 mm (⅛") of the bottom.

PE

CATALOG NO.	DESCRIPTION
H32787-0000	*20 L (5 gal.) Carboy Pump (Fits Carboy F10795-0000)*
H32886-0000	*114 L (30 gal.) Drum Pump*
H32887-0000	*208 L (55 gal.) Drum Pump*

Syphonette



The Syphonette is made from polypropylene and polyethylene and is particularly well-suited to withdrawing liquids from narrow necked containers with a minimum opening of 19mm (¾"). The inlet tube, made of rigid polypropylene, is 66cm (26") long but may be permanently shortened by cutting. Operated by squeezing the flexible bulb, the self-priming mechanism starts flow through the flexible PVC outlet tube. Flow will continue as long as the end of the outlet tube is kept lower than the source liquid. The Syphonette will also elevate fluids to higher levels if pumping is continued. Special adapters for cans, tanks, and bottles are available on special order.

PP PE

CATALOG NO.
H32920-0000

For Information on Special Sizes Call 1 800-4BEL-ART

SHOP www.belart.com

Vacuum Aspirator Pump



High-density polyethylene aspirator pump operates on water pressure above 11psi (7584 N/m2). The integral check valve resists corrosive filtrates and fumes. A quick-disconnect hose fitting accepts 6.4 to 9.5mm (¼ to ⅜") I.D. tubing. The male thread faucet connection is 9.5mm (⅜") I.D. Maximum attainable vacuum is 69.6cm Hg (27.4") with a flow of 6 liters (1.5 gallons) per minute. **Per each, 12 per case.**

HDPE

CATALOG NO.
F32947-0000



Spinpak®
Stir it Up Multi-Pack and Restrainer, Page 389



Spinfinity®
The Next Evolution in Magnetic Stirring Durability, Page 374



Safe-Lab™ Hollow Teflon® PTFE Stoppers
Easy On - Easy Off, Page 401



Battery Powered Magnetic Stirrer

Up to 16 Days of Non-stop Stirring Power, No Electric Required, Page 396

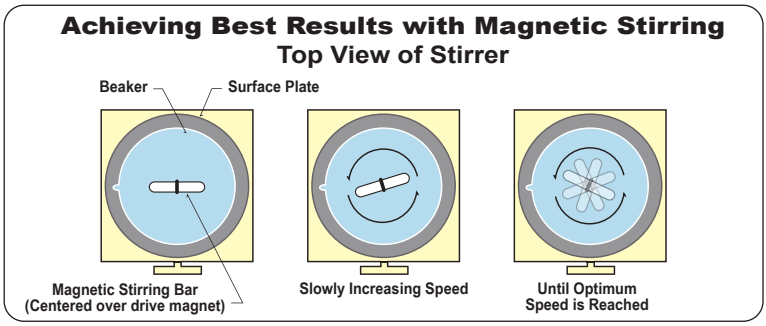
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MAGNETIC STIRRING BAR SELECTION & USE

Magnetic stirring is used in a number of common laboratory procedures, yet the importance of selecting the best stirring bar for each particular application is often overlooked. The drive magnet, vessel shape, viscosity and abrasiveness of the materials should all be considered when choosing the size, shape and materials (coating and magnet) of the magnetic stirring bar in order to achieve effective, efficient stirring results.

First, let's discuss magnetism. On the most basic level, we know that opposite poles attract. A magnetic stirrer has a drive magnet, generally a bar or U-shape made of a metallic alloy or a ceramic which rotates powered by a drive motor. The magnetic poles of the drive magnet are typically about two inches apart in bench top models, and can be up to six inches apart in larger units used to mix 50 gallons of liquid solution. For optimum magnetic coupling, the distance between the magnetic poles of the drive magnet and the length of the stirring bar should be equal. Bars too long or too short in proportion to the drive magnet will not have optimum coupling which is important to reduce spinout.

Once a magnetic stirring bar has been placed in a container with solution, it should be positioned directly over the center of the drive magnet. The stirring speed should be increased slowly, until the desired vortex pattern is achieved. Should the magnetic stirring bar lose its coupling with the drive magnet because of the speed of the drive magnet, viscosity of the fluid, or an improperly selected stirring bar length, it is said to have "spun-out."



Vertical distance between the drive magnet and the stirring bar should be kept to a minimum for the best coupling and stirring efficiency. Therefore, the containing vessel should be as thin as practical.

The selection of the shape of the magnetic stirring bar also influences the resulting vortex in that multi-sided shapes may be more efficient in moving solutions and certain shapes have been designed to provide a tailored fit in specialty vessels such as test tubes, cuvettes and spectrophotometer cells.

Magnetic stirring bars are generally made of ALNICO (an alloy of aluminum, nickel, iron and cobalt) magnets encapsulated in an FDA approved PTFE coating. In addition, magnetic stirring bars also use high energy magnetic materials, such as Samarium Cobalt (page 377) which increases strength of coupling with a drive magnet and helps to reduce spinout when mixing viscous solutions or mixing at high speeds.

Newer to the market, are Bel-Art Products Spinfinity® magnetic stirring bars, page 374. Spinfinity® magnetic stirring bars use ALNICO magnets encapsulated in plastic for increased durability in granular slurries.

Contact Us for Your Special Magnetic Stirring Bar Needs

SHOP www.belart.com

A Magnetic Stirring Bar for Every Application

Applications	General Stirring Applications	High Temperature Stirring	Viscous Solutions High Speed Stirring	Abrasive Slurries Extended Stirring Applications
Brand/Type	**Spinbar® Teflon PTFE**	**Spinbar® Pyrex Glass**	**Spinbar® Rare Earth Samarium Cobalt**	**Spinfinity®**
Magnetic Type	Alnico	Alnico	Samarium Cobalt	Alnico
Covering	Teflon® PTFE	Clear Pyrex® Glass	Teflon® PTFE	Plastic
Features/ Benefits	Wide selection of shapes and sizes to fit vessels of all types; Individual shapes create different vortexes for efficient and effective stirring	Heated stirring applications up to 274ºC (525ºF)	Reliable Magnetic Coupling - Superior magnetic energy reduces frequency of spinout in the most vigorous applications	Durable - Last 2.5 to 3 times longer under conditions known to traditionally cause material breakdown
	FDA grade Teflon® PTFE low friction coating is durable and inert	Glass casing has zero absorption and porosity	FDA Grade Teflon® PTFE low friction coating is durable and inert	Outer shell made from FDA approved materials
	Color selection for color-coding work processes		Distinct Color - Green color lets you quickly identify Spinbar® Rare Earth Samrium Cobalt	Distinct Color - Quickly identify the Spinfinity® difference by its purple color

All Spinbar® and other Teflon® PTFE Coated Magnetic Stirring Bars are Manufactured in a Registered ISO 9001:2008, as Verified by SGS Certification.

Spinbar® Magnetic Stirring Bar Shapes and Performance

Whether mixing is needed in a 10mm cuvette, a 1.5ml vial, a beaker, or a 50 gallon drum, there is a Spinbar® magnetic stirring bar that can do the job. Bel-Art Products offers the most comprehensive selection of magnetic stirring bars on the planet.



Capsule magnetic stirring bar has a polygon magnetic stir bar that spins freely inside a protective capsule. The capsule assures the bar does not spin off center and reduces turbulence and obstructions to ensure consistent smooth stirring. Page 385.

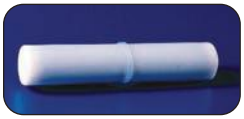


Cell magnetic stirring bars are designed specifically for use with spectrophotometer cells, cuvettes or test tubes. The cell stirrer fits into standard 10mm spectral cells and provides rapid vertical and horizontal mixing with a minimum of vortexing when placed on a magnetic stirring machine. Centrifugal pumping action, generated by the cross channels in the upper face, mixes without aeration. Page 388.

SHOP www.belart.com



Circulus™ magnetic stirring bars provide strong turbulence at relatively low speeds, offer reduced surface contact and have excellent centering characteristics, particularly in vessels with convex bottoms. Page 383.



Cylindrical magnetic stirring bars offer excellent centering and smooth running characteristics. A small removable pivot ring in the center adds to their versatility. The pivot ring minimizes the contact area of the bar to the vessel, reduces friction and lessens marring of plastic containers. Page 378.



Elliptical (Egg Shaped) magnetic stirring bars are particularly well suited for round bottom flasks. Their shape mimics that of a flask and ensures complete mixing. They also offer minimal contact when used in plastic containers. Page 381.



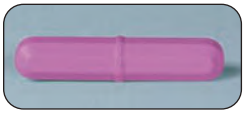
Fluted Octagonal – Rare Earth magnet: The flutes of this eight-sided bar along with a definitive tapering to conical ends provides excellent surface area and recessed breaks in the profile to generate strong turbulence and efficiently move fluids. Available only in Rare Earth (Samarium Cobalt), the shape and magnet strength make these bars especially well-suited for viscous solutions. Page 377.



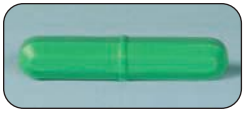
Micro (Flea) magnetic stirring bars are designed for stirring small volumes in vessels such as vials, tubes and gradient makers. Available in a variety of colors and sizes, micro (flea) stirring bars are particularly useful for environmental testing and life science applications in which small sample volumes need to be prepared and evaluated. Page 384-385.



Octagon magnetic stirring bars with integral pivot ring are the most commonly used shape. Their interrupted profile provides greater surface area and added turbulence when compared to the smooth surface of cylindrical bars. Pivot ring aids in reducing friction and chattering. Page 375-376.



Octagon – Spinfinity®: The octagonal shape was also selected for the Spinfinity® line. Spinfinity® magnetic stirring bars have a hard plastic casing that gives them superior durability in granular slurries. Quickly identify Spinfinity® magnetic stirring bars by their bright purple coating. See page 374.

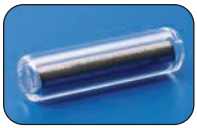


Octagon – Rare Earth magnet: The superior magnetic energy of Rare Earth (Samarium Cobalt) magnets provides strong coupling with drive magnets reducing frequency of spinout in viscous solutions or high speed stirring. The bright green Teflon® PTFE coating makes them easy to identify in the laboratory. See page 377.



Polygon/Giant Polygon multifaceted surfaces add turbulence relative to similar smooth size cylindrical bars. Giant Polygon bars can be used for stirring substantial volumes in large vessels such as drums and tanks. Available with or without a molded pivot ring, this ring minimizes the contact area between the bar and the vessel, thus reducing friction and chattering. Page 378-380.

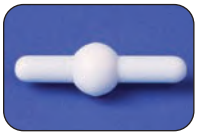
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Pyrex® Spinbar® Glass Stirring Bars are completely encapsulated in Pyrex® glass. Glass stirring bars are useful for high temperature applications in excess of 225˚C (437˚F) where Teflon® PTFE is not stable. Glass bars also offer “zero absorption” of the stirred solution. Page 377.



Round magnetic stirring bars with tapered ends have a naturally centered pivot point, eliminating the need for a separate pivot ring. Smooth surface and the slightly raised ends on these bars facilitate efficient movement through solutions. Page 376.



Saturn Spinbar® Magnetic Stirring Bars easily stir powders into solutions without getting stalled. A prominent sphere in the middle of the bar elevates the stirring bar arms during rotation and consequently diminishes the surface contact area, permitting the magnet to spin freely without stalling. For use in round or flat bottom vessels. Page 383.



Spinfin® magnetic stirring bars can be used in round bottom flasks as well as rounded vessels such as test tubes or cylinders. Page 386.



Spinplus® magnetic stirring bars add speed and efficiency to mixing operations. The “+” shape creates a deep vortex and provides stable, quiet operation. Page 382.



Spinring® stirring bars provide maximum stabilization of the magnetic stirring bar with the addition of a “hoop” around a standard octagonal bar. The friction fit of the “hoop” and bar allows them to spin as a unit. By presenting a greater surface area and wider profile, “spin out” is virtually eliminated. This particular arrangement is best suited for larger open-neck vessels, such as buckets and beakers. Page 382.



Spinstar® magnetic stirring bars create a deep mixing vortex at relatively slow speeds. Designed to fit the inside diameter of most commonly-used beakers, the Spinstar® stirring bar is perfect for applications requiring slow, thorough mixing. Page 382.



Spinvane® magnetic stirring bars are designed for test tubes, micro vials and conical bottom centrifuge tubes. Each style is manufactured for a specific size tube, but can be modified if needed without affecting the magnet. Page 387.



Spinwedge® magnetic stirring bars provide strong turbulence at fairly low speeds and are well suited for churning sediment or dissolving salts. Page 381.

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NEW PRODUCT!



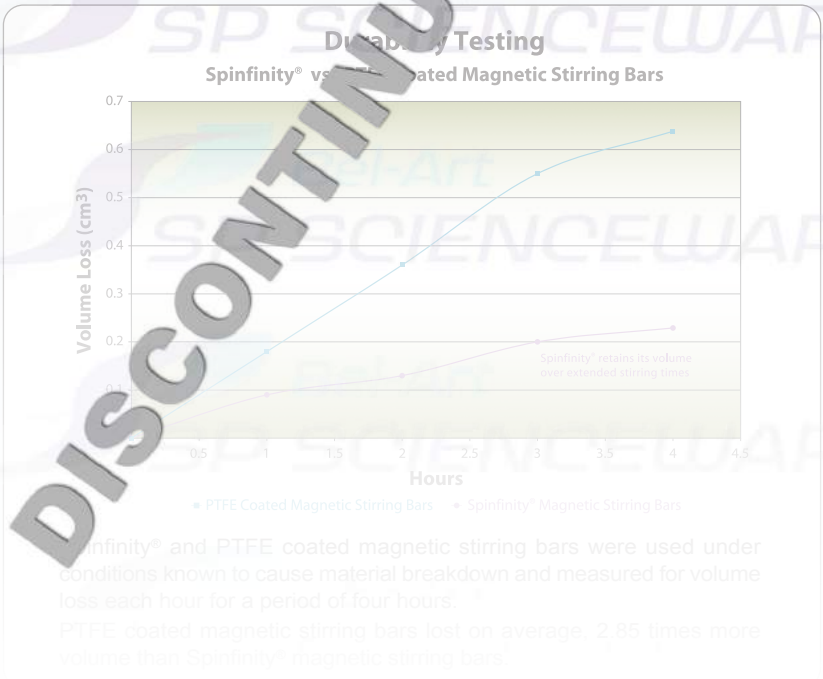
Spinfinity® Octagon Magnetic Stirring Bar

The Next Revolution in Magnetic Stirring Durabi...

Those mixing granular slurries know that mag...etic stirring bars can and do often wear down quicker tha... ...erred. Manufactured with different processes a... materials, new Spinfinity® magnetic stirring bars h... a ...ard plastic covering that delivers 2.5 to 3 times the w... resistance of PTFE coated magnetic stirring ...ars ...der conditions known to cause material breakdown.

The Spinfinity® magnetic stirring ba...s an octagon shape with a molded-in pivot ring. Th... ...ape provides greater surface area than a round ... bar of similar size and an interrupted profile which ... ...des added turbulence for efficient stirring. The ... ...ting reduces friction and chattering. In the lab, they can quickly be identified from other magnetic stirring ...rs by their distinctive purple coating.

CATALOG NO.	SIZ...
F37190-0001	3 x ½" (76 ... ...7 ...m)



...infinity® and PTFE coated magnetic stirring bars were used under conditions known to cause material breakdown and measured for volume loss each hour for a period of four hours.

PTFE coated magnetic stirring bars lost on average, 2.85 times more volume than Spinfinity® magnetic stirring bars.

DISCONTINUED PRODUCT

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Octagon Spinbar® Magnetic Stirring Bars

Teflon® PTFE, White

With integral Pivot Ring. Color bars available, next page. **Per each, 50 per case.**

TEFLON® A

CATALOG NO.	SIZE
F37110-1218*	½ x ⅛" (12.7 x 3.2mm)* No Pivot Ring
F37110-1256	½ x 5⁄16" (12.7 x 8mm)
F37110-1238	½ x ⅜" (12.7 x 9.5mm)
F37110-0058	⅝ x 5⁄16" (15.9 x 8mm)
F37110-5838	⅝ x ⅜" (15.9 x 9.5mm)
F37110-0078	⅞ x 5⁄16" (22.2 x 8mm)
F37110-7838	⅞ x ⅜" (22.2 x 9.5mm)
F37110-0001	1 x 5⁄16" (25.4 x 8mm)
F37110-0138	1 x ⅜" (25.4 x 9.5mm)
F37110-0118	1⅛ x 5⁄16" (28.6 x 8mm)
F37110-1388	1⅜ x ⅜" (34.9 x 9.5mm)
F37110-0112	1½ x 5⁄16" (38.1 x 8mm)
F37110-1128	1½ x ⅜" (38.1 x 9.5mm)
F37110-1122	1½ x ½" (38.1 x 12.7mm)
F37110-0158	1⅝ x 5⁄16" (41.3 x 8mm)
F37110-0178	1⅞ x ⅜" (47.6 x 9.5mm)
F37110-0002	2 x 5⁄16" (50.8 x 8mm)
F37110-0238	2 x ⅜" (50.8 x 9.5mm)
F37110-0212	2½ x 5⁄16" (63.5 x 8mm)
F37110-2128	2½ x ⅜" (63.5 x 9.5mm)
F37110-0003	3 x ½" (76.2 x 12.7mm)

Spinpak® Octagon Magnetic Stirring Bar Packs

Most Popular Octagon Sizes

Multiple bar packs provide instant availability of these highly popular octagon shaped bars. One size per pack. **Per pack, 20 packs per case.**



TEFLON® A

CATALOG NO.	SIZE	PIECES
F37157-0005	½ x 3⁄16" (12.7 x 8mm)	6
F37157-0010	1 x 3⁄16" (25.4 x 8mm)	6
F37157-0015	1½ x 3⁄16" (38 x 8mm)	6
F37157-0020	2 x 3⁄16" (51 x 8mm)	5

For Accurate Sizing Use the Magnetic Stirring Bar Actual Size Guide, Page 433.

SHOP www.belart.com

Color Octagon Spinbar® Magnetic Stirring Bars



Teflon® PTFE in Colors

Favorite sizes of Octagon Spinbar® Magnetic Stirring Bars in red, yellow or blue. **Per each, 50 per case.**

CATALOG NO.	COLOR	SIZE
F37109-0034*	Red	½ x ⅛" (12.7 x 3.2mm)* No Pivot Ring
F37109-0035*	Yellow	½ x ⅛" (12.7 x 3.2mm)* No Pivot Ring
F37109-0036*	Blue	½ x ⅛" (12.7 x 3.2mm)* No Pivot Ring
F37109-0001	Red	½ x 5/16" (12.7 x 8mm)
F37109-0002	Yellow	½ x 5/16" (12.7 x 8mm)
F37109-0003	Blue	½ x 5/16" (12.7 x 8mm)
F37109-0004	Red	⅝ x 5/16" (15.9 x 8mm)
F37109-0005	Yellow	⅝ x 5/16" (15.9 x 8mm)
F37109-0006	Blue	⅝ x 5/16" (15.9 x 8mm)
F37109-0007	Red	⅞ x 5/16" (22.2 x 8mm)
F37109-0008	Yellow	⅞ x 5/16" (22.2 x 8mm)
F37109-0009	Blue	⅞ x 5/16" (22.2 x 8mm)
F37109-0010	Red	1 x 5/16" (25.4 x 8mm)
F37109-0011	Yellow	1 x 5/16" (25.4 x 8mm)
F37109-0012	Blue	1 x 5/16" (25.4 x 8mm)
F37109-0019	Red	1½ x 5/16" (38.1 x 8mm)
F37109-0020	Yellow	1½ x 5/16" (38.1 x 8mm)
F37109-0021	Blue	1½ x 5/16" (38.1 x 8mm)
F37109-0028	Red	2 x 5/16" (50.8 x 8mm)
F37109-0029	Yellow	2 x 5/16" (50.8 x 8mm)
F37109-0030	Blue	2 x 5/16" (50.8 x 8mm)
F37109-0031	Red	3 x ½" (76.2 x 12.7mm)
F37109-0032	Yellow	3 x ½" (76.2 x 12.7mm)
F37109-0033	Blue	3 x ½" (76.2 x 12.7mm)



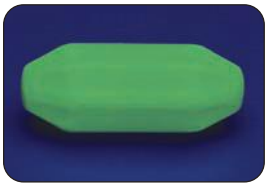
Round Spinbar® Magnetic Stirring Bars with Tapered Ends

Teflon® PTFE

Tapered design acts as a pivot point, eliminating the need for a separate pivot ring. End diameters are 1mm less than center diameter. **Per each, 50 per case.**

CATALOG NO.	SIZE (L X CENTER DIAM.)
F37113-0208	.787" x .315" (20 x 8mm)
F37113-0309	1.181" x .354" (30 x 9mm)
F37113-0409	1.575" x .354" (40 x 9mm)
F37113-0509	1.969" x .354" (50 x 9mm)

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Fluted Octagonal Rare Earth Spinbar® Magnetic Stirring Bar

Improved Stirring Efficiency

This bar's high-energy magnetic material combined with a fluted octagonal shape produces exceptional power, although its length is only 50mm (1.969") with a 21mm (0.83") diameter. The Samarium Cobalt magnet which is encapsulated in Teflon® PTFE provides strong coupling with drive magnets making it ideal for viscous solutions and efficient, high speed stirring. The recessed flutes and distinct edges of this eight-sided bar provide excellent surface area to generate strong turbulence so liquids are thoroughly mixed, and its stability is not impaired in vessels with curved bottoms. **Per each, 10 per case.**

CATALOG NO.	SIZE
F37174-0000	*2 x 8/10" (50mm x 21mm)*

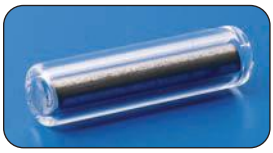
Octagon Rare Earth Spinbar® Magnetic Stirring Bars

NEW PRODUCT!

The Samarium Cobalt magnet which is coated in Teflon® PTFE provides strong coupling with drive magnets to reduce frequency of spinout. Use for viscous solutions, high speed stirring and extended stirring applications. Popular octagon shape with pivot ring creates strong turbulence with minimal chattering and friction. Distinctive green color makes Spinbar® rare earth magnetic stirring bars easy to identify in the lab. **Per each, 10 per case.**



CATALOG NO.	SIZE
F37102-1238	*½ x ⅜" (1.30 x .95cm)*
F37102-0138	*1 x ⅜" (2.54 x .95cm)*
F37102-0238	*2 x ⅜" (5.10 x .95cm)*
F37102-0003	*3 x ½" (7.60 x 1.30cm)*



Pyrex® Spinbar® Magnetic Stirring Bars

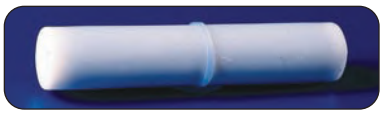
For High Temperature Stirring

Glass stirring bars are utilized when temperature ranges up to 274˚C (525˚F) are necessary, and when "zero absorption" of the stirred solution is preferred. The Pyrex® glass encapsulation of the magnet is completely smooth, making the bars easy to clean. **Per each, 50 per case.**

CATALOG NO.	SIZE
F37101-0012	*½ x ⅜" (12.7 x 9.5mm)*
F37101-7814	*⅛ x ¼" (22 x 6.4mm)*
F37101-0001	*1 x ⅜" (25.4 x 9.5mm)*
F37101-0112	*1½ x ⅜" (38 x 9.5mm)*

SHOP www.belart.com

Cylindrical Spinbar® Magnetic Stirring Bars



Teflon® PTFE

With Removable Pivot Ring.
Per each, 50 per case, except as noted.

CATALOG NO.	SIZE
F37111-0012	½ x 5/16" (12.7 x 8mm) No pivot ring
F37111-1238	½ x ⅜" (12.7 x 9.5mm)
F37111-0034	¾ x 5/16" (19.1 x 8mm) No pivot ring
F37111-0001	1 x 5/16" (25.4 x 8mm)
F37111-0138	1 x ⅜" (25.4 x 9.5mm)
F37111-0114	1¼ x 5/16" (31.8 x 8mm)
F37111-1148	1¼ x ⅜" (31.8 x 9.5mm)
F37111-0112	1½ x 5/16" (38.1 x 8mm)
F37111-1128	1½ x ⅜" (38.1 x 9.5mm)
F37111-0158	1⅝ x ⅜" (41.3 x 9.5mm)
F37111-0134	1¾ x 5/16" (44.5 x 8mm)
F37111-1348	1¾ x ⅜" (44.5 x 9.5mm)
F37111-0002	2 x 5/16" (50.8 x 8mm)
F37111-0238	2 x ⅜" (50.8 x 9.5mm)
F37111-0218	2⅛ x ⅜" (54.0 x 9.5mm)
F37111-2125	2½ x ⅝" (63.5 x 16mm)
F37111-0003	3 x ½" (76.2 x 12.7mm)
F37111-0004**	4 x ⅝" (101.6 x 16mm)
F37111-0005**	5 x ⅝" (127.0 x 16mm)
F37111-0006**	6 x ¾" (152.4 x 19mm)

**10 bars per case



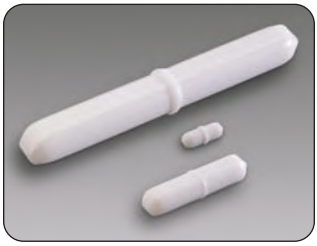
Disposable Polygon Spinbar® Magnetic Stirring Bars

Ideal for single use applications such as for reactions involving radioactive reagents or when cross contamination might be a concern. The multifaceted stirring bar surface adds turbulence relative to similar size smooth cylindrical stirring bars. **100 per bag.**

CATALOG NO.	SIZE
F37112-0012	½ x ⅛" (12.7 x 3.2 mm)
F37112-0001	1 x 5/16" (25.4 x 8 mm)
F37112-0016	1⅝ x 5/16" (41.3 x 8 mm)
F37112-0002	2 x 5/16" (50.8 x 8 mm)

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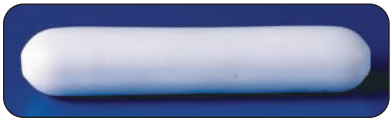
Polygon Spinbar® Magnetic Stirring Bars



Teflon® PTFE

A center molded pivot ring minimizes the contact area between the bar and the vessel, thus reducing friction and chattering. Marring of plastic containers is also diminished. Multifaceted surface adds turbulence relative to similar size smooth cylindrical stirring bars. **Per each, 50 per case.**

CATALOG NO.	SIZE
F37122-0012	*7/16 x 3/16" (12 x 4.5 mm)*
F37122-0020	*¾ x ¼" (20 x 6 mm)*
F37122-0025	*1 x ¼" (25 x 6 mm)*
F37122-0035	*1 3/16 x ¼" (35 x 6 mm)*
F37122-0040	*1 9/16 x 5/16" (40 x 8 mm)*
F37122-0045	*1¾ x 5/16" (45 x 8 mm)*
F37122-0050	*2 x 5/16" (50 x 8 mm)*
F37122-0060	*2⅜ x ⅜" (60 x 10 mm)*
F37122-0070	*2¾ x ⅜" (70 x 10 mm)*



Polygon Spinbar® Magnetic Stirring Bars without Pivot Ring

Teflon® PTFE

Per each, 50 per case.

CATALOG NO.	SIZE
English Units	
F37120-0012	*½ x 5/16" (12.7 x 8mm)*
F37120-0058	*⅝ x 5/16" (15.9 x 8mm)*
F37120-0078	*⅞ x ⅜" (22 x 9.5mm)*
F37120-7836	*⅞ x 3/16" (22.2 x 4.7mm)*
F37120-0038	*1 x ⅜" (25.4 x 9.5mm)*
F37120-0112	*1½ x ⅜" (38.1 x 9.5mm)*
F37120-0002	*2 x ⅜" (50.8 x 9.5mm)*
F37120-0212	*2½ x ½" (63.5 x 12.7mm)*
F37120-0003	*3 x ½" (76.2 x 12.7mm)*
Metric Units	
F37120-0010	*10 x 6mm (⅞ x ¼")*
F37120-0125	*12 x 5mm (½ x 3/16")*
F37120-0015	*15 x 6mm (⅝ x ¼")*
F37120-0020	*20 x 8mm (¾ x 5/16")*
F37120-0025	*25 x 8mm (1 x 5/16")*
F37120-0030	*30 x 8mm (1 3/16 x 5/16")*
F37120-0040	*40 x 8mm (1⅝ x 5/16")*
F37120-0050	*50 x 8mm (2 x 5/16")*
F37120-0060	*60 x 7mm (2 5/16 x ¼")*
F37120-0070	*70 x 10mm (2¾ x ⅜")*
F37120-0080	*80 x 10mm (3⅛" x ⅜")*

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Giant Polygon Spinbar® Magnetic Stirring Bars

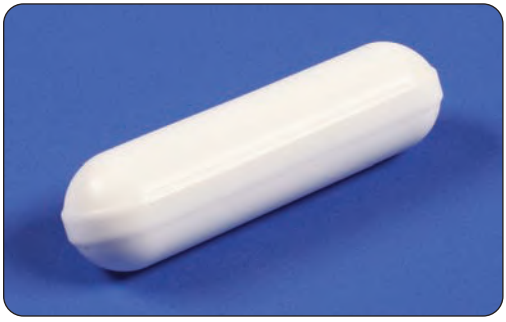


Giant Polygon with Pivot Ring

Teflon® PTFE With Center Molded Pivot Ring

Designed for stirring large volumes in vessels such as drums and tanks. A molded pivot ring minimizes the contact area between the bar and the vessel, thus reducing friction and chattering. Marring of plastic containers is also diminished. Multifaceted surface adds turbulence relative to similar size smooth cylindrical stirring bars. Ideal for use with Cool Stir® Large Volume Stirrer, H37028-0001 (page 397), which is capable of stirring volumes up to 190 L (50 gallons). **Per each, 10 per case.**

CATALOG NO.	SIZE
F37122-0005	*5 x ⅝" (127 x16 mm)*
F37122-0006	*6 x ¾" (152 x19 mm)*



Giant Polygon without Pivot Ring

Teflon® PTFE Bars for Large Volume Stirring; No Pivot Ring

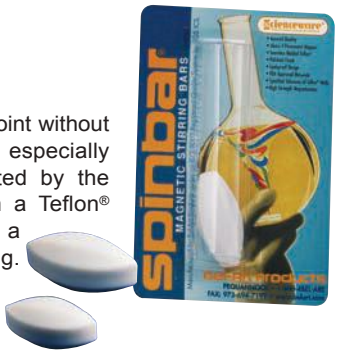
Heavy duty bars for use in stirring large volumes of fluid in vessels on large magnetic stirring machines such as the Cool Stir Large Volume Stirrer, H37028-0001 (page 397) or other large machines. Will fit into vessels with a minimum neck diameter of 32 mm. Multifaceted surface adds turbulence relative to similar size smooth cylindrical stirring bars. **Per each, 10 per case.**

CATALOG NO.	SIZE
F37118-0002	*2¼ x 1 1/16" (57 x 27mm)*
F37118-0004	*4¼ x 1 1/16" (108 x 27mm)*
F37118-0006	*6¼ x 1 1/16" (159 x 27mm)*

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Elliptical (Egg-Shaped) Spinbar® Magnetic Stirring Bars

"Eggcellent" for Round Bottom Flasks



These egg-shaped stirring bars provide their own pivot point without a separate ring or abrupt change in contour. Designed especially for use in round-bottom vessels, they spin unrestricted by the vessel contour. The magnet itself is egg-shaped with a Teflon® PTFE coating, except the three smallest sizes have a cylindrical magnet in an egg-shaped Teflon® PTFE coating. **Per each, 50 per case.**

CATALOG NO.	FITS ROUND BOTTOM FLASKS	SIZE
F37130-0038	10 and 25ml	⅜ x 3/16" (9.5 x 4.7mm)
F37130-0058	10 and 25ml	⅝ x ¼" (15.9 x 6.35mm)
F37130-0034	10,25,50,100ml	¾ x ⅜" (19.1 x 9.5mm)
F37130-0001	100 and 200ml	1 x ½" (25.4 x 12.7mm)
F37130-0114	300 and 500ml	1¼ x ⅝" (31.8 x 15.9mm)
F37130-0112	300 and 500ml	1½ x ⅝" (38.1 x 15.9mm)
F37130-0158	500 and 1000m	1⅝ x ¾" (41.3 x 19mm)
F37130-0002	2000 and 3000ml	2 x ¾" (50.8 x 19.1mm)
F37130-0212	3000 and 5000ml	2½ x ¾" (63.5 x 19mm)
F37130-0003	12000 and 22000ml	3 x ¾" (76 x 19.1mm)



Spinwedge® Magnetic Stirring Bars

Teflon® PTFE

Wedge-shaped magnetic stirring bar is designed to plow up sediment for thorough dispersion. The sharply angled broad face provides strong mixing action, perfect for viscous solutions. **Per each, 50 per case.**

CATALOG NO.	SIZE
F37123-0001	⅜ x ½" (9.5 x 12.7mm)
F37123-0002	⅜ x 1" (9.5 x 25.4mm)
F37123-0000	½ x 1¾" (12.7 x 44.5mm)
F37123-0003	½ x 2" (12.7 x 50.8mm)

For Accurate Sizing Use the Magnetic Stirring Bar Actual Size Guide, Page 433.

SHOP www.belart.com

Spinring® Magnetic Stirring Bars



Virtually Eliminates Spinout

A removable stabilizing ring keeps this stirring bar centered in the vessel. Octagon shape creates a deep vortex without splashing or chattering and resists spinout. **Per each, 50 per case.**

CATALOG NO.	BAR SIZE	RING I.D.
F37140-0005	½ x 5/16" (12.7 x 8mm)	¾" (19mm)
F37140-0010	1 x 5/16" (25.4 x 8mm)	15/16" (23.8mm)
F37140-0015	1½ x 5/16" (38.1 x 8mm)	1¾" (44.5mm)
F37140-0020	2 x 5/16" (50.8 x 8mm)	1¼" (57.2mm)



Spinplus® Magnetic Stirring Bars

Teflon® PTFE

Add speed and efficiency to your mixing requirements. The "+" shape creates a deep vortex and provides stable, quiet operation. **Per each, 50 per case.**

CATALOG NO.	SIZE
F37144-0038	3/8 x 3/16" (9.5 x 4.7mm)
F37144-0034	¾ x 3/8" (19.1 x 9.5mm)
F37144-0100	1 x 3/16" (25.4 x 14.3mm)
F37144-0114	1¼ x 3/16" (31.8 x 14.3mm)
F37144-0112	1½ x 5/8" (38.1 x 15.8mm)

Spinstar® Magnetic Stirring Bars



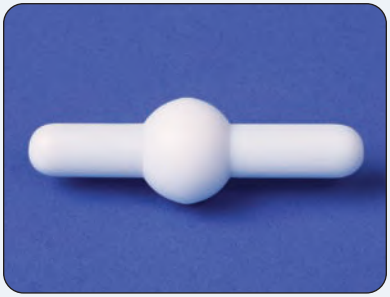
Teflon® PTFE

Star-shape creates a deep vortex at relatively slow speeds. It fits exactly the inside diameter of the beaker indicated. **Per each, 50 per case.**

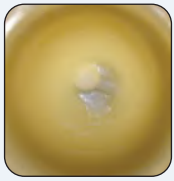
CATALOG NO.	FITS BEAKER	SIZE
F37146-0100	100ml	1¾" I.D. (44 mm)
F37146-0250	250ml	2 1/16" I.D. (62 mm)
F37146-0400	400ml	2¾" I.D. (70 mm)

NEW PRODUCT!

Saturn Spinbar® Magnetic Stirring Bar







Many magnetic stirring bars can be impeded by powders in a liquid, but the newly-designed Saturn Spinbar® Magnetic Stirring Bar rises to this stirring challenge. A large sphere at the bar's center lifts the stirring bar ends while spinning and thereby reduces the surface contact area to allow the bar to spin with decreased drag.

The stirring bar is available with a length of 40mm or 50mm (1.5 or 2") to match with a wide variety of vessels with both round and flat bottoms. Saturn Spinbar® Magnetic Stirring Bars are Teflon® PTFE coated. Bars are autoclavable at 121ºC (250ºF). **Per each, 20 per case.**

CATALOG NO.	SIZE (L)
F37116-0002	*1½" (40mm)*
F37116-0003	*2" (50mm)*

Circulus™ Magnetic Stirring Bars

Excellent Self-Centering Characteristics

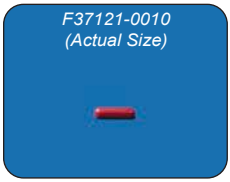


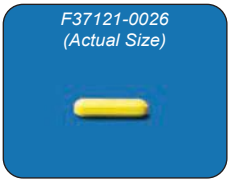
Offers fast mixing action and high turbulence with greater stability and less drifting at higher speeds. Ideal for all highly viscous mixtures, metal particles in fluids, and containers with round or convex bottoms. All sizes have solid Teflon® PTFE end disks 20mm (0.79") in diameter and a bar diameter of 8mm (0.315). **Per each, 50 per case.**

CATALOG NO.	DISK COLOR	SIZE (L)
F37170-0000	*White*	*1⅜" (35mm)*
F37170-0001	*Red*	*1⅜" (35mm)*
F37170-0002	*Yellow*	*1⅜" (35mm)*
F37170-0003	*Blue*	*1⅜" (35mm)*
F37172-0000	*White*	*2¾₁₆" (55mm)*
F37172-0001	*Red*	*2¾₁₆" (55mm)*
F37172-0002	*Yellow*	*2¾₁₆" (55mm)*
F37172-0003	*Blue*	*2¾₁₆" (55mm)*

For Accurate Sizing Use the Magnetic Stirring Bar Actual Size Guide, Page 433.

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Color Micro (Flea) Spinbar® Magnetic Stirring Bars

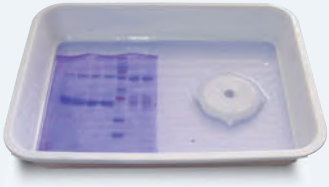
Blue, Yellow and Red Teflon® PTFE

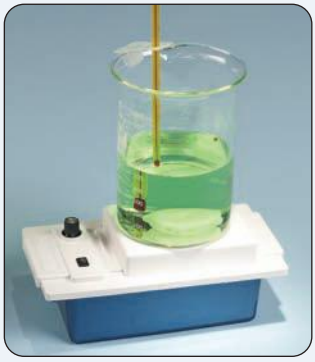
Small sizes for stirring small volumes in vessels such as vials, tubes, and gradient makers.
Per each, 50 per case.

CATALOG NO.	COLOR	SIZE
F37121-0007	Red	.079 x .079" (2 x 2mm)
F37121-0008	Yellow	.079 x .079" (2 x 2mm)
F37121-0009	Blue	.079 x .079" (2 x 2mm)
F37121-0016	Red	.118 x .118" (3 x 3mm)
F37121-0017	Yellow	.118 x .118" (3 x 3mm)
F37121-0018	Blue	.118 x .118" (3 x 3mm)
F37121-0010	Red	.197 x .079" (5 x 2mm)
F37121-0011	Yellow	.197 x .079" (5 x 2mm)
F37121-0012	Blue	.197 x .079" (5 x 2mm)
F37121-0019	Red	.250 x .118" (6.35 x 3mm)
F37121-0020	Yellow	.250 x .118" (6.35 x 3mm)
F37121-0021	Blue	.250 x .118" (6.35 x 3mm)
F37121-0013	Red	.276 x .079" (7 x 2mm)
F37121-0014	Yellow	.276 x .079" (7 x 2mm)
F37121-0015	Blue	.276 x .079" (7 x 2mm)
F37121-0001	Red	.315 x .059" (8 x 1.5mm)
F37121-0002	Yellow	.315 x .059" (8 x 1.5mm)
F37121-0003	Blue	.315 x .059" (8 x 1.5mm)
F37121-0022	Red	.394 x .118" (10 x 3mm)
F37121-0023	Yellow	.394 x .118" (10 x 3mm)
F37121-0024	Blue	.394 x .118" (10 x 3mm)
F37121-0025	Red	.500 x .118" (12.7 x 3mm)
F37121-0026	Yellow	.500 x .118" (12.7 x 3mm)
F37121-0027	Blue	.500 x .118" (12.7 x 3mm)
F37121-0004	Red	.591 x .059" (15.1 x 1.5mm)
F37121-0005	Yellow	.591 x .059" (15.1 x 1.5mm)
F37121-0006	Blue	.591 x .059" (15.1 x 1.5mm)

NEW PRODUCT!

Spinbar® Capsule Magnetic Stirring Bar



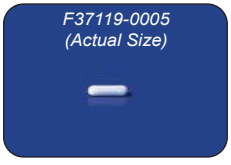


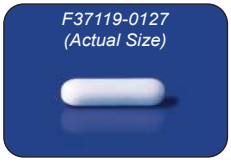
Spinout Protection; Patent Pending

The Capsule Magnetic Stirring Bar is a polystyrene capsule containing a 30 x 8mm (1.18 x 0.31") polygon magnetic stirring bar that spins freely inside the capsule while being prevented from spinning off center and 'wandering' on the base of a vessel. Containment of the stirring bar prevents it from impacting and damaging expensive pH probes during pH adjustments and from interfering and damaging gels during staining/destaining procedures. The large, flat capsule keeps the stirring bar consistently centered on the bottom of vertical electrophoresis units (e.g. Hoefer's) to efficiently mix the running buffer. Use of the capsule also prevents the stirring bar from being impeded by chemicals which, in water, transform into a sticky gel (e.g. albumin) and enables efficient dissolving. After use, the capsule can be easily disassembled for cleaning. **Per each.**

PS TEFLON® A

CATALOG NO.	DIMENSIONS (DIAM. X H)
F37152-0000	2.1 x 5" (5.3 x 1.3cm)







Micro (Flea) Spinbar® Magnetic Stirring Bars

Teflon® PTFE, White

Small sizes for stirring small volumes in vessels such as vials, tubes, and gradient makers. **Per each, 50 per case.**

TEFLON® A

CATALOG NO.	SIZE
F37119-0002	0.079 x 0.079" (2 x 2mm)
F37119-0003	0.118 x 0.118" (3 x 3mm)
F37119-0005	0.197 x 0.079" (5 x 2mm)
F37119-0635	0.250 x 0.118" (6.4 x 3mm)
F37119-0007	0.276" x 0.079" (7 x 2mm) Square Ends
F37119-0008	0.315" x 0.059" (8 x 1.5mm) Square Ends
F37119-1083	0.315" x 0.118" (8 x 3mm) With Pivot Ring
F37119-0083	0.315" x 0.118" (8 x 3mm)
F37119-0010	0.394" x 0.118" (10 x 3mm)
F37119-0127	0.500" x 0.118" (12.7 x 3mm)
F37119-0015	0.591" x 0.059" (15 x 1.5mm)

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Spinfin® Magnetic Stirring Bars

Teflon® PTFE

Agitates liquids in round-bottom test tubes and flasks, where other stirring bars cannot be used. It maintains its position in a vessel and will not wobble. **Per each, 50 per case.**



CATALOG NO.	SIZE (DIAM. X H)
F37125-0014	*5⁄16 x 3⁄8" (7.9 x 9.5mm)*
F37125-0038	*3⁄8 x 3⁄8" (9.5 x 9.5mm)*
F37125-0012	*1⁄2 x 1⁄2" (12.7 x 12.7mm)*
F37125-0058	*5⁄8 x 1⁄2" (15.9 x 12.7mm)*
F37125-0034	*3⁄4 x 1⁄2" (19.1 x 12.7mm)*
F37125-0078	*7⁄8 x 1⁄2" (22.2 x 12.7mm)*



Double Spinfin® Magnetic Stirring Bars

Teflon® PTFE

The proven design of the Spinfin® Magnetic Stirring Bar made doubly effective. Fins on top and bottom ensure complete agitation. **Per each, 50 per case.**

CATALOG NO.	SIZE (DIAM. X H)
F37126-0012	*1⁄2 x 1⁄2" (12.7 x 12.7mm)*
F37126-0034	*3⁄4 x 3⁄8" (19.1 x 15.9mm)*
F37126-0001	*1 x 3⁄4" (25.4 x 19.1mm)*

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Spinvane® Magnetic Stirring Bar

Half Round Tapered, Teflon® PTFE

Half-round tapered shape, fits conical bottom centrifuge tubes. Can be trimmed to fit. **Per each, 50 per case.**



CATALOG NO.	SIZE (W X H X DEPTH)
F37137-0000	9.7/6.1 x 23.0 x 9.9mm

Spinvane® Magnetic Stirring Bars



Triangular, Teflon® PTFE

Solid Teflon® shaped vanes with cross-mounted, molded-in magnets. Triangular shape permits rotation in small conical-shaped tubes and micro vials. **Per each, 50 per case.**

CATALOG NO.	SIZE (W X H X DEPTH)	FITS VIALS
F37134-0000	5.6 x 9.6 x 4.8mm	1 ml
F37135-0000	10.4 x 16.5 x 9.8mm	3 ml & 5 ml

Spinvane® Magnetic Stirring Bar

Half Round, Teflon® PTFE

Half-round shape fits round bottom of 16mm O.D. test tubes. **Per each, 50 per case.**



CATALOG NO.	SIZE (W X H X DEPTH)
F37136-0000	13.7 x 12.5 x 12.6mm

For Accurate Sizing Use the Magnetic Stirring Bar Actual Size Guide, Page 433.

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Cell (Cuvette) Spinbar® Magnetic Stirring Bar



Specifically for Spectrophotometer Cells or Cuvettes

This stirring bar fits into the standard 10mm light path cuvette and provides rapid vertical and horizontal mixing with a minimum of vortexing when placed on a magnetic stirring machine. Centrifugal pumping action, generated by the cross channels in the upper face, mixes without aeration. Photometric measurements can proceed uninterrupted while reagents are added. This one-piece molded unit will not scratch cuvettes. May also be used in test tubes. **Per each, 50 per case.**

TEFLON® A

CATALOG NO.	SIZE (DIAM. X H)
F37150-0000	9 x 8mm



Stir and Add™ Cuvette Mixers

Provides Complete Mixing

Made of clear acrylic with a straight handle, this tool is used when reactions are performed directly into cuvettes, to mix added reagents. Up and down motion in cell provides complete mixing. Shaft diameter: 3.17mm (0.125"). **3 per bag, 12 bags per case.**

ACRYLIC

CATALOG NO.	DESCRIPTION	SHAFT LENGTH	MIXING END DIMENSIONS
F37752-0000	For 10mm light path cells	4.5" (11.4cm)	0.356 x 0.356" (.90 x .90cm)
F37752-0001	For semi-micro cells	5.1" (13.0cm)	0.362 x 0.140" (.92 x .35cm)

Vakuwash® Cuvette Washer



All-Plastic Cuvette Washing Device

Economical, durable and gentle on delicate glass or quartz cuvettes, this all-plastic washer replaces costly, antiquated devices that are often more fragile than the cuvettes they wash. Comes complete with a 500cc polypropylene vacuum flask, Vikem® vinyl stopper and 3' PVC tubing ready for connection to a vacuum line. The mouth of an inverted cuvette is pressed against the rubber cushion to induce suction. Water or other cleaning fluid poured into the 89mm (3½") diameter funnel is forcibly sprayed into the cuvette and then drains into the flask. Continued pressure on the cuvette creates an air flow which dries it. A final wash in acetone aids in removing water droplets. Minimum cuvette I.D must be 3mm or larger to fit over the spray nozzle.

CATALOG NO.
F38960-0000

SHOP www.belart.com

Spinpak® Magnetic Stirring Bar Assortment with Restrainer



Large to Small Volumes, the Spinpak® Assortment has You Covered.

A 10-pack of the most commonly used Spinbar® Octagonal Magnetic Stirring Bars in a variety of colors and sizes.

Eight-sided Spinbar® Octagonal Magnetic Stirring Bars provide greater surface area and added turbulence when compared to smooth cylindrical bars. Integral pivot ring on each stirring bar aids in reducing friction and chattering.

Included Spinbar® Restrainer fits comfortably in one hand and retains Spinbar® Magnetic Stirring Bars up to 80mm (3") long by holding them against vessel walls. Eliminates splashing hazards when pouring.

Spinbar® sizes: 2 each - ½ x ⅛", ½ x 5⁄16", 1 x 5⁄16", 1½ x 5⁄16", 2 x 5⁄16".

CATALOG NO.
F37158-0010

Spinpak® Magnetic Stirring Bar Six Pack Assortments



Teflon® PTFE

Convenient assortment packs suit a variety of needs. **Per pack, 20 packs per case.**

CATALOG NO.	DESCRIPTION	SIZES (2 EACH)
F37160-0000	*OCTAGONAL BARS Six Octagon Spinbar® Magnetic Stirring Bars, Teflon® PTFE coated, with pivot ring.*	*1 x 5⁄16" (25.4 x 8mm)* *1½ x 5⁄16" (38.1 x 8mm)* *2 x 5⁄16" (50.8 x 8mm)*
F37161-0000	*ROUND BARS Six Round Spinbar® Magnetic Stirring Bars, Teflon® PTFE coated, with removable pivot rings.*	*1 x 5⁄16" (25.4 x 8mm)* *1½ x 5⁄16" (38.1 x 8mm)* *2 x 5⁄16" (50.8 x 8mm)*
F37162-0000	*"THINK SMALL" PACK Six Flea Micro Spinbar® Magnetic Stirring Bars, Teflon® PTFE coated.*	*.315 x .059" (8 x 1.5 mm)* *.276 x .079" (7 x 2mm)* *.394 x .1184" (10 x 3mm)*
F37163-0000	*COLOR-CODED BARS Six Octagon Spinbar® Magnetic Stirring Bars, Teflon® PTFE coated with pivot ring.*	*1 x 5⁄16" (25 x 7mm)* ** 2 Each Color* *Yellow, Red, Blue*

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Spinbox™ Magnetic Stirring Bar Assortments

Teflon® PTFE

Multiple Bar Assortments with Convenient Storage Box

CATALOG NO.	DESCRIPTION
F37180-0000	Octagon Shaped-16 Assorted Bars, Standard & Flea Micro. 2 each: (½" x 5⁄16") (⅜" x 5⁄16") (1" x ⅜") (1½" x ⅜") (2" x ⅜") (2½" x ⅜") Flea Micro 7 x 2mm 10 x 3mm. **Per Box, 6 boxes per case.**
F37182-0000	Octagon Shaped-12 Assorted Standard Bars with Pivot Ring. 2 each: (½" x 5⁄16") (⅜" x 5⁄16") (1" x ⅜") (1½" x ⅜") (2" x ⅜") (2½" x ⅜") **Per Box, 6 boxes per case.**
F37183-0000	Round Shaped-22 Assorted Bars with Removable Pivot Ring on Bars Longer Than 1". 2 each: (½ x ⅜") (½ x 5⁄16") (¾ x 5⁄16") (1 x 5⁄16") (1 x ⅜") (1½ x 5⁄16") (1¾ x 5⁄16") (2 x ⅜") (2 x 5⁄16") 1 each: (1¼ x 5⁄16") (1¼ x ⅜") (1½ x ⅜") (1¾ x ⅜"). **Per Box, 6 boxes per case.**
F37184-0000	Polygon Shaped-18 Assorted Bars 2 each: 10 x 6mm 15 x 6mm 20 x 7mm 25 x 8mm 30 x 8mm 40 x 8mm 50 x 8mm 60 x 8mm 80 x 10mm **Per Box, 6 boxes per case.**

Continued next page

NEW PRODUCT!

Spinbar® Magnetic Stirring Bar Garage



Convenient Parking; Prevents Demagnetization

Keep all your magnetic stirring bars and accessories organized and accessible with the Spinbar® Magnetic Stirring Bar Garage. Multiple sizes and shapes of magnetic stirring bars from large 15.9 cm (6") to tiny 10 mm (0.5") bars can be stored on this rack.

Stirring bars are easily demagnetized when stored together in a box or drawer. The best way to store them is in pairs, with the north pole of one adjoining the south pole of the other. Tight wire spacing on the upper section of the rack holds small bars, while wider spacing below can be used for larger bars. A lower wire shelf is ideal for holding small lab tools including your Spinbar® Restrainer (F37790-0000 page 392).

Epoxy coated for long life and easy cleaning, the rack is freestanding or can be mounted to a vertical surface (mounting hardware not included). Use one rack to dry stirring bars after cleaning, and place others near associated stirrers to keep bars organized and visible.

A

CATALOG NO.	DIMENSIONS (L X W X H)
F37790-0000	10⁹⁄₁₆ x 4 x 12²⁄₁₆" (25.6 x 10 x 31cm)

Spinbox™ Magnetic Stirring Bar Assortments continued

CATALOG NO.	DESCRIPTION
F37185-0000	Octagon Shaped-24 Assorted Bars with Pivot Ring. 1 each in blue, red and yellow: (½ x ⅛") (⅝ x ³⁄₁₆") (⅞ x ³⁄₁₆") (½ x ⁵⁄₁₆") (1 x ³⁄₁₆") (1½ x ³⁄₁₆") (2 x ³⁄₁₆") (3 x ½") **Per Box, 6 boxes per case.**
F37186-0000	Color Coded Micro Flea Bars-12 Assorted Bars. 1 each in blue, red, and yellow: 8 x 1.5mm 5 x 2mm 7 x 2mm 10 x 3mm. **Per Box, 20 boxes per case.**
F37187-0000	Egg-Shaped Bars-13 Assorted Bars 1 each: (3 x ¼") 2 each: (¾ x ⅜") (1 x ½") (1¼ x ⅝") (1½ x ⅝") (1⅝ x ¾") (2 x ¾") **Per Box, 6 boxes per case.**
F37188-0000	Spinplus® Shaped Bars-5 Assorted Bars. 1 each: (⅜ x ⅜") (¾ x ¾") (1 x 1") (1¼ x 1¼") (1½ x 1½") "✚" **Per Box, 6 boxes per case.**

SHOP www.belart.com

NEW PRODUCT!



Spinbar® Restrainer

Hold on to Magnetic Stirring Bars

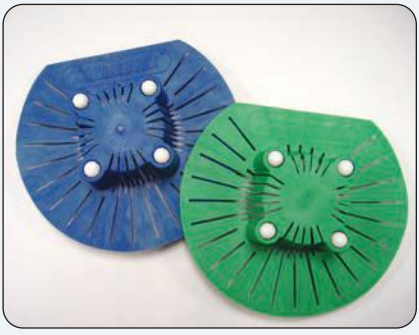
The Restrainer fits ergonomically in one hand, and when placed alongside the outer wall of a mixing vessel it retains and secures the stirring bar in situ. After the vessel is drained, the confined stirring bar is securely retrieved from the vacant container without contaminating the solution. It houses a strong magnet that restrains magnetic stirring bars up to 80mm (3") long.

CATALOG NO.
F37786-1000

NEW PRODUCT!

Spinbar® Magnetic Sink Strainer

US Patent 7,900,289 B2



Spinbar® Magnetic Sink Strainer is a simple solution to prevent your Spinbar® Magnetic Stirring Bars from going down the sink drain. The flexible, chemical-resistant sink strainer has four strong magnets in each corner that attract and hold Spinbar® Magnetic Stirring Bars, while the long slits in the sides and skirt allow fluids to drain easily and rapidly. A wide skirt allows the Spinbar® Magnetic Sink Strainer to be used in a variety of sink drains, and a straight edge on one side allows it to be placed near the sink wall. Four legs on the underside of the Spinbar® Magnetic Sink Strainer anchor the strainer in the sink drain and prevent it from being dislodged by flowing liquid. Available in blue or green. **Per each, 12 per case.**



CATALOG NO.	COLOR
F37787-0000	*Blue*
F37787-0001	*Green*

SHOP www.belart.com

Spinbar® Magnetic Retrievers

Easily Recover Stirring Bars from Containers

A 9.5mm (⅜") diameter polyethylene pick-up rod with powerful Alnico magnet sealed in one end and a handy loop for hanging on the other. **Per each, 36 per case.**



PE

CATALOG NO.	DESCRIPTION
F37772-0000	12" (30.5cm) long
F37773-0000	18" (45.7cm) long

Spinbar® Magnetic Retrievers

Retrieve Stirrers from Lab Sink Drains, Autoclavable.



Flexible, Teflon® rod with a powerful Alnico Teflon® coated magnet for retrieving magnetic stirring bars from containers or non-magnetic sink drains and traps. Available in four colors, two magnet sizes. Flexible white rod is 33cm (13") long for both sizes. **Per each, 10 per case.**

TEFLON®

CATALOG NO.	COLOR	MAGNET DIMENSIONS (DIAM. X L)
H37774-0000	White	½" (12.5mm) x 2 1/16" (53mm)
H37774-0010	Red	½" (12.5mm) x 2 1/16" (53mm)
H37774-0020	Blue	½" (12.5mm) x 2 1/16" (53mm)
H37774-0030	Yellow	½" (12.5mm) x 2 1/16" (53mm)
H37774-0101	White	⅝" (16.5mm) x 2 1/16" (53mm)
H37774-0111	Red	⅝" (16.5mm) x 2 1/16" (53mm)
H37774-0121	Blue	⅝" (16.5mm) x 2 1/16" (53mm)
H37774-0131	Yellow	⅝" (16.5mm) x 2 1/16" (53mm)

Magnetic Stirring Bar Arrester

Prevents Stirring Bars from Pouring Out When Emptying Containers

Holds your stirring bar in place when pouring from a beaker or flask by placing the arrester against the bottom of the container. The arrester is 9.5mm (⅜") thick polyethylene, 51mm (2") diameter with a radial magnet. Other sizes can be made to order.



PE

CATALOG NO.
F37786-0000

SHOP www.belart.com



Jumbo Magnetic Spinbar® Retriever

Retrieve Large Stirring Bars from Deep Vessels

This flexible PTFE magnetic retriever will remove the largest magnetic stirring bars from deep vessels. Retriever has an easy grip "T" handle with an overall length of 65cm (26") including the powerful Alnico 5 magnetic end which is 10.2 x 1cm diameter (4 x ⅜"). Longer, custom lengths are available.

TEFLON®

CATALOG NO.
F37781-0000

Magnetic Stirring Bar Retriever



Keep Contents Free of Contamination When Removing Magnetic Stirring Bars

This retriever is able to remove a magnetic stirring bar without coming into contact with the contents of the vessel. It eliminates contamination of contents and does not need to be cleaned or autoclaved after use. The retriever is held in contact with the vessel where the magnetic stirring bar rests. It is then moved upward with the stirring bar following the inside of the vessel to a point where it can be grasped. The magnet is located in the 25 x 70mm (1 x 2¾") rectangular section, and a long ribbed handle provides a secure grip. Made of high density polyethylene. Overall length: 20cm (7.7").

HDPE

CATALOG NO.
F37775-0000



Positioner / Retriever

Precision Placement... Easy Retrieval

Position your Spinbar® Magnetic Stirring Bar exactly where you want it, without splashing, using the double duty Spinbar® Positioner/Retriever. You can also remove bars without touching or pouring out the contents of your vessel. To pick up a stirring bar, hold the polyethylene retriever down; to release a stirring bar, slide the retriever up inside the tube. *(See diagram at right).* **Per each, 12 per case.**

PE

CATALOG NO.	DIMENSIONS (DIAM. x L)
H37780-0000	*⅝" (15.9mm) x 12" (30.5cm)*

SHOP www.belart.com

Stirrer Blades



Strong, Non-Scratch and Inert Teflon® PTFE Blade

The Teflon® PTFE blade fits all standard button-tip stirring shafts. "Long-groove" keyhole provides easy insertion into flask neck and then rotates into proper position for stirring action. **Per each, 12 per case.**

TEFLON® A

CATALOG NO.	BLADE SIZE (L)	FLASK SIZE
F37970-0000	*2½" (6.5cm)*	*500ml*
F37971-0000	*3" (7.5cm)*	*1000ml*
F37972-0000	*4¼" (10.8cm)*	*2000-3000ml*
F37973-0000	*5" (12.5cm)*	*5000ml*

Stirring Paddle

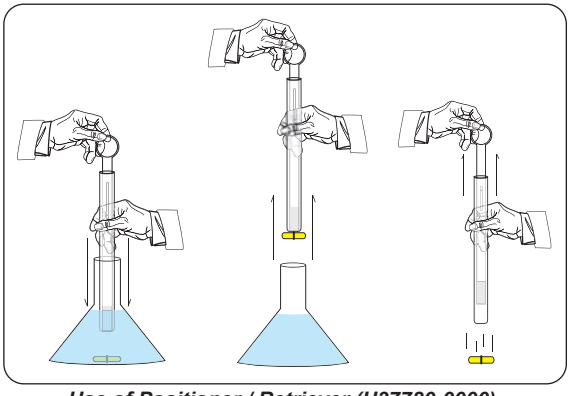


For Hand or Automated Mixing

For mixing liquids in large vats and tanks, this high density polyethylene stirring paddle has a 91cm (3 feet) handle. The paddle is 7.6 x 15.2cm (3 x 6"), and the handle has a 25mm (1") diameter.

HDPE

CATALOG NO.
H37770-0000



Use of Positioner / Retriever (H37780-0000)

SHOP www.belart.com

NEW PRODUCT!



Battery Powered Magnetic Stirrer

Portable, Lightweight Stirring Power

Ideal for field use, inside incubators or anywhere else electricity is not convenient or simply not available. The Battery Powered Magnetic Stirrer has a speed control knob for operation up to 900 RPM and can mix up to 1 liter, using stirring bars up to 2.54cm (1") in length. Two "D" batteries provide approximately 16 days of continuous operation. Constructed of polypropylene for durability and chemical resistance in a compact 23.5 x 13.2 x 8.9cmH (9¼ x 5⅛ x 3½") size that makes travel easy.

PP

CATALOG NO.
H37017-0000

Air Operated Turbine Magnetic Stirrer



Low Pressure Air Supply Drives the Magnetic Stirrer

- Eliminates sparking hazard from electrical sources
- Ideal for use where potentially explosive solvent vapors are present

This compact, small-footprint stirrer only uses 3 to 8 psi (21-55kPa) air pressure and is ideal for stirring vessels up to 1 liter. Tubing is supplied to connect to an air supply. All parts are made from high impact polystyrene to ensure long life and easy clean-up in case of spills. Can be used with magnetic stirring bars up to 2.5cm (1") in length.

PS

CATALOG NO.	DIMENSIONS (DIAM. X H)
F37002-0000	*4 x ¾" (10.2 x 1.9cm)*

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REDESIGNED!





Cool Stir® Large Volume Magnetic Stirrer

Large Volume Stirring for Tanks and Drums

- Direct drive motor rotates a powerful rare earth magnet that couples optimally with 3" through 6" stirring bars (F37122 series and F37118 series - page 380, not included)
- Efficiently stirs fluid volumes from 10 liters up to 208 liters (2.5 to 55 gallons)
- Features polypropylene sides that are simple to clean

A rugged built-in aluminum support system and durable polypropylene platform are engineered to carry up to 220kg (485lbs) permitting mixing in a regular plastic barrel or drum. Stirring speed is continuously changeable to around 600 rpm (maximum operational rpm depends on volume and density) delivering torque for mixing through powerful agitation with a deep vortex. The unit and its 100 watt (1/8 horsepower) motor are air cooled, and heat transmission to thermolabile solutions is prevented by the use of insulation.

DC motor: 100 watts, 50/60 Hz, 3-wire grounded cord

Net weight: 15 kg (33lbs.). Shipping weight: 17.3 kg (38lbs.) This item ships oversize.

CATALOG NO.	DIMENSIONS (L x W x H)
F37028-0001	*15½ x 15½ x 9½" (39 x 39 x 23cm)*

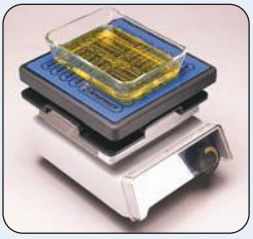
SHOP www.belart.com

spindrive® Orbital Platforms

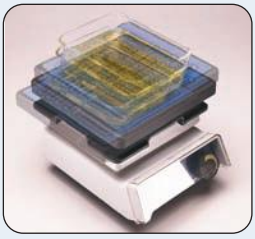
Convert Your Magnetic Stirrer into an Orbital Shaker or Vibrating Platform
Save Time, Money, and Valuable Benchtop Space



Simple as... 1



2



3



Spindrive® Orbital Shaker Platform

Shake and Mix; Rotating Orbit Diameter of 21.7mm

U.S. Patent 5,409,312

Turns a standard magnetic stirrer into an orbital shaking platform saving the expense and space requirements of additional lab equipment. Perfect for dishes, flasks, and trays, it is also ideal for Western Blot processing. Shaker adjustment is controlled by setting the magnetic stirrer to the desired speed. Platform protects the operating mechanism from spills and has a non-skid surface to prevent containers from sliding. The base incorporates built-in hand holds for lifting and carrying. Supports up to 6.8 kg (15 lb) and has a rotating orbit diameter of 21.7mm (⅞").

CATALOG NO.	DIMENSIONS (L x W x H)	WEIGHT
F37041-0000	*8⅞ x 8⅞ x 2 1⁄16" (22.5 x 22.5 x 5.3cm)*	*1kg (2.2 lb)*

Spindrive® Orbital Vibrating Platform

Vibrate and Mix; Rotating Orbit Diameter of 1.52mm

U.S. Patent 5,409,312



Save the expense and eliminate the space requirements of another piece of lab equipment. Placed and centered on a magnetic stirrer, this platform operates as an orbital vibrator for plates, flasks or other vessels. Vibration adjustment is controlled by setting the magnetic stirrer to the desired speed. Platform protects the operating mechanism from spills and has a non-skid surface to prevent containers from sliding. The base incorporates built-in hand holds for lifting and carrying. Supports up to 6.8 kg (15 lb) and has a rotating orbit diameter of 1.52mm (1⁄16").

CATALOG NO.	DIMENSIONS (L x W x H)	WEIGHT
F37041-0001	*8⅞ x 8⅞ x 2 1⁄16" (22.5 x 22.5 x 5.3cm)*	*1kg (2.2 lb)*

SHOP www.belart.com



Microwave Stirrer

Heat and Magnetically Stir Inside a Microwave Oven

U.S. Patent 6,076,957

Converts the motion from the turntable impeller inside a microwave oven into a magnetic stirrer allowing simultaneous heating and stirring for increased efficiency. Heated stirring can improve dissolving and mixing, and permits preparation of super-saturated solutions. Ideal for melting agar and agarose, concentrating urea solutions, or other applications that benefit from heated stirring, and for chemical purification. Adjustable pins make stirrer compatible with most microwave drive spindles. Can be used with magnetic stirring bars up to 5cm (2") in length.

CATALOG NO.	DIMENSIONS (L x W x H)
F37040-0000	*10⅞ x 10⅛ x 2⅝" (27.6 x 25.7 x 6.7 cm)*

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Safe-Lab™ Stoppers

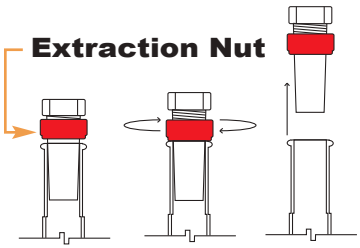
"Easy-on, Easy-off" Safe-Lab™ Stoppers Save Time and Prevent Accidents with Standard Tapered Glassware

How Safe-Lab™ Stoppers Work

Safe-Lab™ Stoppers feature an exclusive, patented safety device for easy and simple separation of fused glassware. This innovative extracting mechanism minimizes expensive glassware breakage and potential bodily injuries when separating glassware with frozen ground joints.

No More...

- Tapping glassware against a bench top
- Running glassware under warm water to loosen
- Risking injury with dangerous removal techniques



Safe-Lab™ stoppers are easily removed from standard tapered glassware by turning the red extraction nut to apply a safe, gentle and even force against the mouth of the vessel, helping to eliminate accidents and breakage.



Safe-Lab™ Teflon® PTFE Stoppers

Use with Separatory Funnels and Volumetric Flasks

Solid Teflon® PTFE stopper with threaded polypropylene extracting nut for easy removal of stopper from flask. Interchangeable with penny head stoppers. Autoclave safe at 121ºC (250ºF). **Per pack as listed below.**

CATALOG NO.	STOPPER SIZE	PACK
F20191-1465	8	3
F20191-1470	9	3
F20191-1480	13	3
F20191-1490	16	3
F20191-1495	19	3
F20191-1505	22	3
F20191-1520	27	2
F20191-1545	38	1

Easy to Use Stopper/Tubing Sizer, See Page 154

SHOP www.belart.com

Safe-Lab™ Solid Teflon® PTFE Stoppers

Use with Boiling and Distilling Flasks

Solid Teflon® PTFE stopper with extracting nut for flasks with ground joints. Autoclave safe at 121ºC (250ºF). **Per pack as listed below.**



CATALOG NO.	JOINT SIZE	PACK
F20196-1485	14/20	3
F20196-1500	19/22	3
F20196-1502	24/40	2



Safe-Lab™ Hollow Teflon® PTFE Stoppers

For Boiling and Distilling Flasks

Use these hollow Teflon® PTFE stoppers for boiling and distilling flasks with ground joints. Stopper comes with polypropylene extracting nut for easy removal from flask. Autoclave safe at 121ºC (250ºF). **Per pack as listed below.**

CATALOG NO.	STOPPER SIZE	PACK
F20197-1515	24/40	2
F20197-1530	29/42	2
F20197-1540	34/45	1
F20197-1550	45/50	1
F20197-1555	55/50	1

Safe-Lab™ Glass Stopper

Interchangeable with Penny Head Stoppers

Lightweight hollow borosilicate glass stopper has a flat hex head for easy gripping. Threaded polypropylene extracting nut above ground surface allows easy and safe removal of stopper from flask. Autoclave safe at 121ºC (250ºF). **Per each.**



CATALOG NO.	JOINT SIZE	THREAD SIZE
H20199-1330	29/42	29

SHOP www.belart.com



Safe-Lab™ Adapt-A-Port™ Body

Teflon® PTFE Adapt-A-Port™ body threaded on top to accept the F20306 Threaded Port Adapter (opposite page). Comes with polypropylene extracting nut. Not autoclavable. **Per each.**

CATALOG NO.	JOINT SIZE
F20303-1635	*24/40*
F20303-1640	*29/42*

Adapt-A-Port™ Stopper Kits, Teflon® PTFE

With Vacuum Port and Thermometer Port Adapters



This unique adapter set consists of three Teflon® PTFE pieces. The body is threaded on the inside top to accept either a threaded vacuum port adapter or thermometer port adapter. Total interchangeability is achieved by simply unscrewing one threaded port adapter and replacing it with the other. The kit comes complete with O-rings. Not Autoclavable. **Per each kit.**

Each Kit Contains:

A. One standard taper Teflon® PTFE Adapt-A-Port™ body with a Viton® O-ring for air-tight sealing. **B.** One Teflon® PTFE threaded vacuum port adapter with a side angled serrated Teflon® PTFE nozzle for the tubing connections. **C.** One Teflon® PTFE threaded thermometer port adapter with locking compression cap on top for straight stem thermometers or glass tubing. An O-ring on the bottom threaded section guarantees air-tight sealing. Items B and C are available only as part of these kits. Not Autoclavable.

CATALOG NO.	JOINT SIZE
F20304-1560	*24/40*
F20304-1565	*29/42*





Safe-Lab™ Therm-O-Vac™ Joint Adapter

Teflon® PTFE adapter with Viton® O-ring on the body, screw cap and hose connection. Not autoclavable. **Per each.**

CATALOG NO.	JOINT SIZE	HOLE OPENING
F20307-1825	*24/40*	*6mm*

SHOP www.belart.com

Safe-Lab™ Joint Stirrer Bearing



For Use with 10mm Stirring Rods

Body is Teflon® PTFE with a Viton® O-ring. Comes complete with two Teflon® PTFE inserts with inside O-ring for fine adjustment of stirring rod tension. Threaded polypropylene locking compression cap on top. Extracting nut above the ground joint allows easy and quick removal from flask. Not autoclavable. **Per each.**

CATALOG NO.	JOINT SIZE
F20320-1660	*24/40*



Safe-Lab™ Therm-O-Vac™ Port Adapters

Threaded Therm-O-Vac™ Port Adapter with serrated side Teflon® PTFE nozzle. For use with F20303 Adapt-A-Port™ Teflon® PTFE Body (opposite page). Not autoclavable. **Per each.**

CATALOG NO.	HOLE OPENING
F20306-1610	*6mm*
F20306-1615	*8mm*

Safe-Lab™ Thermometer Joint Adapters



Teflon® PTFE body with Viton® O-ring for air tight vacuum work. The adapter has a threaded polypropylene screw cap on top with an inside O-ring for depth adjustment of 6-7mm for straight stem thermometers, glass tubing and other items. Rotating the extracting nut removes the adapter from flask. The size 10/18 adapter does not have a body O-ring. Not autoclavable. **Per each.**

CATALOG NO.	JOINT SIZE
F20309-1675	*10/18 (No O-ring in body)*
F20309-1680	*14/20*
F20309-1710	*19/22*
F20309-1716	*24/40*

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Safe-Lab™ Joint Tubing Adapters

Teflon® PTFE body with Viton® O-ring. Polypropylene screw cap on top has an inside O-ring for depth adjustment of glass tubing. Bottom inner joint has a threaded extracting nut for easy removal of adapter. Not autoclavable. **Per each.**

PP TEFLON®

CATALOG NO.	JOINT SIZE	HOLE OPENING
F20311-1717	*24/40*	*8mm*
F20311-1718	*24/40*	*10mm*

Safe-Lab™ Stirrer Bearings

With Stopper-Loc™ Nut

Allows stirrer bearing to be locked to outer ground joint when stirring viscous materials for long periods of time. Sold complete with Stopper-Loc™ Nut and two Teflon® PTFE inserts. Not autoclavable. **Per each.**

PP TEFLON®



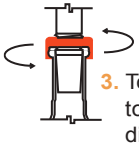
How Safe-Lab™ Stopper-Loc™ Nuts Work



1. Slide and hold Stopper-Loc™ Nut over lip of outer ground joint.



2. Insert threaded product in a downward motion.



3. To lock and seat members together, turn nut in one direction. To unlock and separate, turn in opposite direction.

CATALOG NO.	JOINT SIZE
F20320-1661	*24/40*
F20320-1662	*29/42*



Safe-Lab™ Teflon® PTFE Bearing Insert

Replacement Teflon® PTFE insert with Viton® O-ring for 10mm Teflon® PTFE stirrer bearings (above). Not autoclavable. **2 per pack.**

TEFLON®

CATALOG NO.
F20321-1665

SHOP www.belart.com

Safe-Lab™ Joint Vacuum Adapters

Teflon® PTFE Body with Viton® O-ring



Includes a Teflon® PTFE hose connection for vacuum work or introduction and removal of gases. Rotate threaded polypropylene extracting nut to remove adapter from flask. Not autoclavable. **Per each.**

CATALOG NO.	JOINT SIZE
F20314-1690	14/20
F20314-1720	19/22
F20314-1729	24/40



Cup-Type Stoppers

Double as Containers for Micro Work

These polyethylene cup-type stoppers fit tightly, yet remove easily. All are 26mm high. **24 per bag, 6 bags per case.**

CATALOG NO.	SIZE NO.	TOP	BOTTOM
H20193-0001	1	17mm	11mm
H20193-0002	2	20mm	14mm
H20193-0006	6	32mm	26mm
H20193-0008	8	38mm	32mm

Flaskup™ Flask Holders

Holds Round and Tapered Bottom Flasks



Molded from polypropylene, these unique holders are durable and easy to clean. The inside wall has a slight taper to the open bottom, allowing a variety of flask shapes to fit into one holder. The wide base keeps flasks stable and side slots can be used as sight windows. Autoclavable at 121°C (250°F). **3 per pack, 8 packs per case, except assortment.**

CATALOG NO.	FITS FLASK SIZE	PACK
F38951-2000	10ml	3
F38951-2002	25ml	3
F38951-2004	50ml	3
F38951-2006	100ml	3
F38951-2010	250ml	3
F38951-2012	500ml	3
F38951-2008	Assortment Pack; 3 each 10, 25, 50, and 100ml sizes	12



Spill Containment Tray
Protect Your Workspace, Page 412



28-Piece Fitting Kit
Connectors, Fittings & Clamps for Tubing, Page 421



Teflon® PTFE Tubing
Buy by the Foot, Page 418

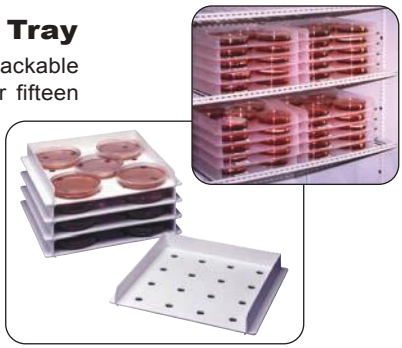


Spill Containment Tray with Grid

Deep Trays Capture Accidental Spills, Page 413
Graduated Pitchers, Page 256

SHOP www.belart.com

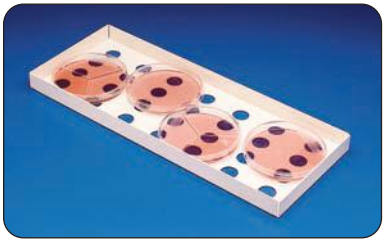
Stackable Petri Dish Incubation Tray



Increase the overall capacity of your incubator. Stackable polypropylene trays hold five 100mm diameter or fifteen 60mm diameter Petri dishes and include two large label areas for critical sample identification by marker or label. Not recommended above 100°C (212°F). *Keep flat if autoclaving at 121°C (250°F) for 20 min. Autoclaving may warp.* **3 per pack, 4 packs per case.**

PP

CATALOG NO.	DIMENSIONS (L x W x H)
F18983-1000	*25.1 x 23.7 x 3.5cm (9⅞ x 9⁵⁄₁₆ x 1⅜")*



Petri Dish Incubation Tray

Organize Your Incubator

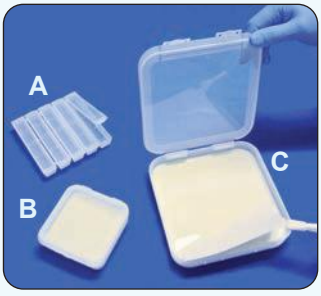
The Petri dish incubator tray holds 100mm (4") Petri dishes securely on an incubator rack. It is an excellent aid for keeping cell cultures organized and has 28 holes in the bottom, 19mm (¾") in diameter, to allow air passage. Made from 1.6mm (1⁄16") thick, white epoxy-coated steel. Steam autoclavable at 121°C (250°F) for 15-20 min.

STEEL A

CATALOG NO.	DIMENSIONS (L x W x H)
F18983-0000	*34.9 x 13.7 x 2.2cm (13¾ x 5⅜ x 7⁄8")*

NEW PRODUCT!

Antibody Saver Tray



Minimize the use of expensive antibodies when incubating filters in the Western Blot process by using an optimally sized tray. Trays are available for popular midi and mini gels in both single and multiple lane sizes with dimensions that provide just enough clearance to easily manipulate the strip(s) in the antibody solution. Each tray is molded of polypropylene and includes an attached lid to protect against spillage. Trays are stackable, reclosable and reusable. Single lane trays are linked together for easier handling but can be separated.

PP A

CATALOG NO.	DIMENSIONS
A. F45100-0000	*1.6 x 11.5cm (⅝ x 4½")*
B. F45100-0001	*9.0 x 9.0cm (3½ x 3½")*
C. F45100-0002	*16.5 x 16.5cm (6½ x 6½")*

SHOP www.belart.com

Stak-A-Tray™ System

Maximize Incubator Space

Modular rack and tray system maximizes storage for Petri dishes and cell culture flasks in incubators, cold rooms or on the bench. Each rack has 4 tiers. Stack up to five racks for 20 levels of storage. Perforated trays allow air flow and slide easily in the rack. Each tier accommodates one large or two small trays. All parts are stainless steel and autoclavable at 121°C (250°F). Rack Dimensions: 37.5 x 35.8 x 10.8cm H (14¾ x 14 1/16 x 4¼" H). Racks and trays sold separately.



Photo shows two racks stacked.

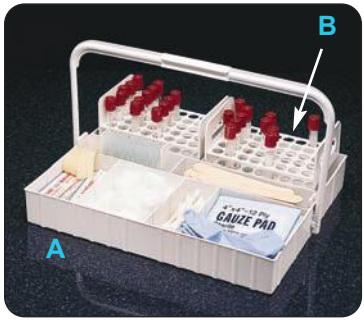
CATALOG NO.	DESCRIPTION
H18610-0420	*Rack with Two Center Supports (for larger culture flasks) 5cm (1.96") clearance between trays.*
H18610-0440	*Rack with Four Center Supports (for Petri dishes and small culture flasks) 2.4cm (0.96") clearance between trays.*
H18610-0470	*Small Tray, 17.8 x 35.6cm (7 x 14")*
H18610-1440	*Large Tray, 35.6 x 35.6cm (14 x 14")*

For Stack-a-Tray™ System, Storage Capacity Chart See Page 219

The Collector™ Blood Tray

Everything You Need to Carry from Lab to Patient

Can be rearranged to meet your specific needs. Includes two 40-place test tube supports for tubes up to 16mm O.D., one 18-place slide holder, a large requisition section, and adjustable partitions to hold needles, syringes, cotton and other materials. Sturdy polypropylene construction holds its shape even when fully loaded. Steam autoclavable at 121°C (250°F). Dimensions: 35.6 x 29.2 x 5.1cm H (14 x 11½ x 2" H). Detachable handle is 17.8cm (7") high. **Per each, 4 per case.**



CATALOG NO.	DESCRIPTION
A. F18631-0715	*Complete Blood Tray Set*
B. F18631-0716	*Replacement Test Tube Support. 40 places for tubes up to 16mm O.D. 16.7 x 10.9 x 10.9cm H (6½ x 4¼ x 4¼")*

SHOP www.belart.com



Processing Trays

Use for Staining and Developing Films

These trays can be used for staining and blot analysis in biotechnology labs as well as for photo processing. Lightweight polystyrene trays have cross bars and ribs for rigidity. Wide rims and corner spout facilitate pouring.

PS

CATALOG NO.	INSIDE DIMENSIONS (L X W X H)	PRINT/FILM SIZE
H16105-0000	24 x 19 x 4cm (9½ x 7⅜ x 1⅝")	5 x 7"
H16108-0000	33 x 27 x 6cm (13 1/16 x 10 1/16 x 2⅜")	8 x 10"

Multipurpose Tray with Snap-On Lid

This versatile, rugged tray with lid is ideal for safely storing small items or holding instruments while autoclaving. It stacks with identical trays and lids to maximize cupboard and shelf storage capacity. The shallow depth is useful for holding small vials or bottles in a water bath or on ice. Inside corners of the tray are rounded for easy cleaning. Both tray and lid are polypropylene and steam autoclavable at 121ºC (250ºF).



PP A

CATALOG NO.	DIMENSIONS (L x W x H)
F16230-0000	20.3 X 27.3 X 7.6cm (8 x 10¾ x 3")





Multipurpose Trays

These large capacity, rugged polypropylene trays have multiple uses. The substantial depth and 8.5 liter (9 quart) volume of each can be used to hold a large quantity of samples in a water bath or on ice. The trays are steam autoclavable at 121ºC (250ºF) and ideal for holding instruments while autoclaving. Use in a sink when cleaning glassware to reduce chance of damage or for transporting labware. Inside corners are rounded for easy cleaning. The top rim adds rigidity and provides handholds for transport. Each size nests with identical trays to minimize storage space requirements.

PP A

CATALOG NO.	INSIDE DIMENSIONS (L x W x H)
A. F16200-0010	30.5 x 24.8 x 11.4cm (12 x 9¾ x 4½")
B. F16200-0011 with handles	32.4 x 26.7 x 10.8cm (12¾" x 10½ x 4¼")

SHOP www.belart.com

Sterilizing Trays and Covers

Lightweight and Corrosion-Proof

A. Sterilizing Trays

Molded polypropylene trays have rounded corners and smooth, tapered sides for nesting. Ideal for sterilizing instruments, bottles containing agar, deionized water, saline and other reagents, and for safely cleaning glassware in sinks. Steam autoclavable at 121°C (250°F). **Per each, 6 per case.**



CATALOG NO.	OUTSIDE DIMENSIONS (L x W x H)	CAPACITY
H16260-0000	30.5 x 20.3 x 12.7cm (12 x 8 x 5")	5 liters (1.3 gallons)
H16262-0000	48.3 x 26.7 x 12.7cm (19 x 10½ x 5")	13 liters (3.4 gallons)
H16264-0000	53.3 x 39.4 x 12.7cm (21 x 15½ x 5")	18 liters (4.75 gallons)

B. Sterilizing Tray Covers

Polypropylene covers are 3.2mm (⅛") thick with a 25.4mm (1") skirt that fits snugly over the rim of the tray. Steam autoclavable at 121°C (250°F).

CATALOG NO.	FITS TRAY
H16259-0000	H16260-0000
H16261-0000	H16262-0000
H16263-0000	H16264-0000



Instrument Trays with Covers

Polypropylene trays, with inset covers, taper gracefully outward toward the top. Smooth, rounded corners allow easy cleaning and sterilization. Steam autoclavable at 121°C (250 °F). **Per each, cases as listed below .**

CATALOG NO.	INSIDE DIMENSIONS (L x W x H)	CASE
H16188-0000	18.6 x 10.9 x 5.8cm (6⅝ x 3¾ x 2¼")	24
H16189-0000	29.2 x 16.8 x 8.3cm (11 x 6 x 3¼")	12
H16191-0000	27.9 x 15.2 x 12.7cm (11 x 6 x 5")	6

For Custom Trays in a Variety of Sizes and Materials, Call 1 800.4BEL.ART

SHOP www.belart.com



General Purpose Trays

Available with or without Faucet

Molded low-density polyethylene trays are rugged, long-lasting and corrosion-resistant. All trays have heavy walls and wide, top flanges. They will withstand temperatures up to 77ºC (171ºF). Available plain or with (F30852) needle type polyethylene faucet with 12.7mm (½") bore.



Faucet provides easy and safe draining

Tray without Faucet

LDPE

CATALOG NO.	INSIDE DIMENSIONS (L x W x H)
F16270-0000	30.5 x 40.6 x 7.6cm (12 x 16 x 3")
F16271-0000	41 x 51 x 7.6cm (16 x 20 x 3")
F16272-0000	45.7 x 55.9 x 10cm (18 x 22 x 4")
F16273-0000	55 x 65 x 10cm (21½ x 25½ x 4")
F16275-0000	44.5 x 59.7 x 15.2cm (17½ x 23½ x 6")

Tray with Faucet

LDPE

CATALOG NO.	INSIDE DIMENSIONS (L x W x H)
F16290-0000	30.5 x 40.6 x 7.6cm (12 x 16 x 3")
F16291-0000	41 x 51 x 7.6cm (16 x 20 x 3")
F16292-0000	45.7 x 55.9 x 10.2cm (18 x 22 x 4")
F16293-0000	55 x 65 x 10.2cm (21½ x 25½ x 4")
F16295-0000	44.5 x 59.7 x 15.2cm (17½ x 23½ x 6")

For Our Selection of Polyethylene Faucets with Teflon® O-Rings, See Page 420

Spill Containment Tray

Protects Laboratory Benches

The polystyrene tray accepts F24675-0020 Labmat™ Sheets as liners (not included) to absorb spilled liquids. The tray is 12.7mm (½") deep with an external flange.



PS

CATALOG NO.	DIMENSIONS (L x W)
F24675-0050	58 x 69cm (23 x 27")

SHOP www.belart.com

Benchtop Working Tray



Contain Your Spills

This polypropylene tray is designed to hold the most popular sizes of safety mats to help contain spills. It can be used in combination with biohazard, radioactive or general purpose mats. The lip of the tray assures containment of spilled liquids that are not absorbed by the mats.

CATALOG NO.	INSIDE DIMENSIONS (L x W x H)
F24675-0060	46 x 56 x 1.3cm (18½ x 22⅛ x ½")



Spill Containment Tray with Grid

Large Volume Benchtop Spill Protection

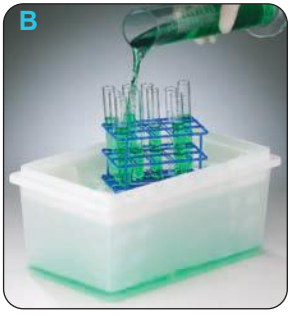
This large, deep, polypropylene tray protects users by capturing accidental hazardous spills. The epoxy coated wire support grid holds numerous vessels or racks of test tubes. Both tray and support grid are steam autoclavable at 121°C (250°F) and have outstanding chemical resistance.

CATALOG NO.	VOLUME	OUTSIDE DIMENSIONS (L x W x H)	PRICE/EACH
F24676-0003	7.0 liter (237oz)	36.5 x 30.8 x 12.1cm (14⅜ x 12⅛ x 4¾")	

Spill Containment Trays

Reduce Injury and Damage from Accidental Spills





Capturing hazardous chemical and contaminant spills when transferring from one vessel to another is easy with these portable spill containment trays. The large tray (B) has a spill surface that will support multiple flasks, beakers or a rack of test tubes, while the smaller tray (A) is ideal for smaller vessels and tight spaces. Trays can also be used for storing hazardous, corrosive chemicals, stains, etc. to protect benchtops, shelves and cabinets. Made of polypropylene for chemical resistance, durability and steam autoclavable at 121°C (250°F). **Per each, 12 per case.**

CATALOG NO.	VOLUME	OUTSIDE DIMENSIONS (L x W x H)
A. H18905-0001	0.5 liter (17oz)	25.4 x 13.3 x 7.3cm (9⅛ x 5¼ x 2⅞")
B. F18905-0050	1.5 liter (50oz)	32 x 20 x 15cm (12¾ x 7⅞ x 5⅞")

SHOP www.belart.com

Utility Trays

Made from polypropylene, these straight sided trays offer resistance to temperatures up to 135ºC (274ºF). Autoclavable.



PP A

CATALOG NO.	DIMENSIONS (L x W x H)
F16300-1015	*25.4 x 38.1 x 7.6cm (10 x 15 x 3")*
F16300-1216	*30.5 x 40.6 x 20.3cm (12 x 16 x 8")*
F16300-1520	*38.1 x 50.8 x 7.6cm (15 x 20 x 3")*
F16300-1818	*45.7 x 45.7 x 10.2cm (18 x 18 x 4")*
F16300-2020	*50.8 x 50.8 x 15.2cm (20 x 20 x 6")*
F16300-2226	*55.9 x 66 x 10.2cm (22 x 26 x 4")*



Heavy Duty Rectangular Tanks with Top Flanges

Optional Faucet

Seamless, rotational-molded polyethylene tanks are lightweight and easy-to-handle. Available with or without a faucet, these tanks are resistant to most acids and all alkalis. All sizes are made with wide top flanges, include covers, and can be supplied with spigots, fittings, dams, partitions, etc. Contact Bel-Art® for quotations on special sizes and fabrication in polypropylene and PVC.

LDPE

Without Faucet

CATALOG NO.	CAPACITY	DIMENSIONS (L x W x H)	WALL
H34080-0000	*19 liters (5gal)*	*28 x 28 x 25cm (11 x 11 x10")*	*6.4mm (¼")*
H34082-0000	*39 liters (10gal)*	*46 x 33 x 25cm (18 x 13 x 10")*	*6.4mm (¼")*
H34085-0000	*57 liters (15gal)*	*39 x 30 x 48cm (15.25 x 12 x 19")*	*9.5mm (⅜")*
H34090-0000	*78 liters (20gal)*	*53 x 41 x 36cm (21 x 16 x 14")*	*9.5mm (⅜")*

With Faucet

CATALOG NO.	CAPACITY	DIMENSIONS (L x W x H)	WALL
H34092-0000	*19 liters (5gal)*	*28 x 28 x 25cm (11 x 11 x10")*	*6.4mm (¼")*
H34093-0000	*28 liters (7.5gal)*	*42 x 28 x 25cm (16.5 x 11 x 10")*	*6.4mm (¼")*
H34094-0000	*39 liters (10gal)*	*46 x 33 x 25cm (18 x 13 x 10")*	*6.4mm (¼")*
H34095-0000	*57 liters (15gal)*	*39 x 30 x 48cm (15.25 x 12 x 19")*	*9.5mm (⅜")*
H34096-0000	*78 liters (20gal)*	*53 x 41 x 36cm (21 x 16 x 14")*	*9.5mm (⅜")*

SHOP www.belart.com

Polly-Crocks with Lids

Several Styles to Suit a Variety of Applications

Heavy-duty, molded polyethylene tanks will safely hold chemicals and hot liquids up to 52ºC (125ºF) and meet FDA requirements for food handling. The open-top tanks are stress-free and self-supporting with a seamless wall about 4.8mm (3/16") thick. Resistant to rust, corrosion and dents, each container's capacity is marked on both the tank and the lid. Lids have a central grip knob for easy removal and replacement. Available with or without faucet (F30852). For replacement faucets see page 420. Polly-Crocks with a sight glass can be special ordered.



LDPE

Without Faucet

CATALOG NO.	CAPACITY		DIAM. TOP x BOTTOM	HEIGHT	WEIGHT	
	LITERS	GALLONS			KG	LB
H35103-0000	*11.4*	*3*	*28 x 24cm (11 x 9½")*	*28cm (11")*	*2.0*	*4.5*
H35106-0000	*22.7*	*6*	*31 x 28cm (12¼ x 11")*	*41cm (16")*	*3.0*	*6.6*
H35110-0000	*37.9*	*10*	*38 x 34cm (15 x 13½")*	*46cm (18")*	*4.0*	*8.8*
H35115-0000	*56.3*	*15*	*43 x 39cm (16¾ x 15¼")*	*52cm (20½")*	*5.1*	*11.3*

With Faucet

CATALOG NO.	CAPACITY		DIAM. TOP x BOTTOM	HEIGHT	WEIGHT	
	LITERS	GALLONS			KG	LB
H35223-0000	*11.4*	*3*	*28 x 24cm (11 x 9½")*	*28cm (11")*	*2.0*	*4.5*
H35226-0000	*22.7*	*6*	*31 x 28cm (12¼ x 11")*	*41cm (16")*	*3.0*	*6.6*
H35230-0000	*37.9*	*10*	*38 x 34cm (15 x 13½")*	*46cm (18")*	*4.0*	*8.8*
H35235-0000	*56.3*	*15*	*43 x 39cm (16¾ x 15¼")*	*52cm (20½")*	*5.1*	*11.3*

SHOP www.belart.com

Lab Drawer Compartment Trays

Fit Standard Lab Bench Drawers

36 x 44.5cm (14 x 17½") white polystyrene trays fit standard lab bench drawers and are a practical and functional solution for organizing the "stuff" of daily lab life including:

- Thermometers
- Medication Cups
- Jars
- Stir Bars
- Vials
- Pipettes

Per each, 6 per case.

PS

	CATALOG NO.	NUMBER OF COMPARTMENTS/WELLS
 Compartment Tray	*H18648-0000*	*3 Compartments*
	Description	
	Three 6.4cm (2½") deep compartments run the length of the tray holding items up to 38.1cm (15") in length. Compartment 1: 11.4cmW (4½"), Compartment 2: 7.6cmW (3"), Compartment 3: 7.0cmW (2¾")	
 Beaker, Flask & Jar Tray	*H18650-0000*	*20 Wells*
	Description	
	20 wells of various diameters hold containers up to 9.8cm (3⅞")	
 Gadget Organizer Tray	*H18652-0000*	*12 Compartments*
	Description	
	12 compartments; each is 9.8 x 9.8 x 7.3cm deep (3⅞ x 3⅞ x 2⅞")	
 Scintillation Vial Tray	*H18653-0000*	*63 Wells*
	Description	
	63 wells - 2.8cm diameter x 1.3cm deep (1⅛ x ½")	

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	CATALOG NO.	NUMBER OF COMPARTMENTS/WELLS	PRICE/EACH



Five Compartment Tray

H18654-0000 *5 Compartments*

Description

Long center compartment and four side compartments.
Center compartment: 7.6W x 38.7L x 5.7cmD (3 x 15¼ x 2¼")
Side compartments: Two – 11.4W x 19L x 5.7cmD
(3 x 7½ x 2¼"), Two – 7.0W x 19L x 5.7cmD (2¾ x 7½ x 2¼")

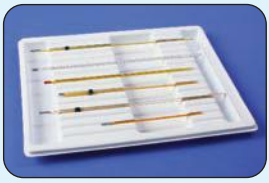


Open Tray

H18655-0000 *1 Compartment*

Description

Open tray can hold a variety of larger/odd shaped objects, or light, bulk materials



Thermometer Tray

H18656-0000 *14 Rests, 3 Compartments*

Description

14 rests keep thermometers and other long, fragile instruments organized and accessible. Rests are interrupted by 3 deeper compartments making removal of thermometers easier and provide additional storage.



Four Compartment Tray

H18658-0000 *4 Compartments*

Description

Four, equal sized compartments,
each 19.7 x 15.2 x 5.7cm deep (7¾ x 6 x 2¼")

For Organizing Test Tubes, Pipettes and Thermometers, See Rack Section on Pages 260-299

SHOP www.belart.com



Small Bore Teflon® PTFE Tubing

*Order by the Foot**

- Superior Chemical Resistance
- High degree of flexibility allows multiple twists and turns in tight spaces
- Non-stick surface will not collect particulates
- *Sold by the foot, with a minimum cut of 25 feet.

CATALOG NO.	I.D.	WALL
H21195-0034	0.86mm (0.034")	0.30mm (0.012")
H21195-0038	0.97mm (0.038")	0.30mm (0.012")
H21195-0047	1.19mm (0.047")	0.30mm (0.012")
H21195-0068	1.73mm (0.068")	0.30mm (0.012")

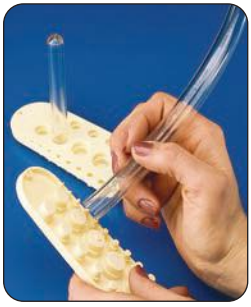
Plastic Tubing Cutter

Pocket-Sized Cutter

Portable, pocket-sized cutter cuts flexible tubing from 1.6mm to 19mm (1/16 to 3/4") O.D. The jaw is lightly spring-loaded and will remain closed for safety when not in use. A replaceable, hardened steel blade makes clean, straight cuts. 7.6cm (3") long.



CATALOG NO.	DESCRIPTION	CASE
H21010-0000	Plastic Tubing Cutter	12
H21011-0000	Replacement Blades	24



Tubing Sizer - Metric Gauge

Stop Guessing…Know What Size You Need

A handy metric diameter gauge that will end doubt about inside or outside diameters. The gauge measures glass and plastic tubing, connecting pieces, rods, test tubes, etc. between 1.5 and 16mm. Holes on one side measure O.D.; pins on the other side measure I.D. Keep one with your tubing and one with your test tubes, centrifugation tubes and adaptors. Made of polypropylene, the gauge is autoclavable at 121°C (250°F)

CATALOG NO.	DIMENSIONS (L x W x H)
F13390-0000	12 x 5 x 1.2cm (4¾ x 2 x ½")

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Tubing Holder

Clips on Beakers and Pitchers

This polypropylene clip holds flexible tubing steady and fits securely onto the edge of beakers or pitchers up to ¼" thick. It has a 5.1cm (2") long arm with a hole to accept tubing up to 9.5mm (⅜") O.D. Autoclavable. **6 per bag, 6 bags per case.**



CATALOG NO.	DESCRIPTION
F18235-0000	*Holds tubing up to 9.5mm (⅜") O.D.*



Tubing Sinkers

Keep Tubing at the Bottom of Vessels

Teflon® sinkers keep tubing at the bottom of your container. Ideal for use with pumps and dispensers, these sinkers have hose barb ends for simple tubing connection. Solvent resistant and autoclavable. **Sold as set of two sizes or individually.**

CATALOG NO.	FITS TUBING SIZE I.D
F32903-0100	*One of each size below*
F32903-0102	*5.5 to 6.2mm (7/32 to ¼")*
F32903-0104	*8 to 10.5mm (5/16 to 7/16")*

Metal Quick Disconnect Couplings

Quick Disconnect, In-line Tubing Connectors with Buna-N O-Ring

Chrome plated brass connectors with Buna-N O-Ring, manufactured by Colder Products, feature easy-to-use slide locks for leak-free, in-line connections, and automatic shut off when disconnected. Hose barb ends accept flexible tubing. Operate at temperatures to 82ºC (180ºF), pressures to 1.7 Mpa (250 psi), and vacuum to 30 microns of Hg. Chrome plated valves provide dependable operation and are ideal for liquid and gas connectors in biomedical instrumentation and general industrial applications.



CATALOG NO.	FITS TUBING I.D.	COUPLING TYPE
A. F19723-0202	*3mm (⅛")*	*male*
B. F19723-0802	*3mm (⅛")*	*female*
C. F19724-0204	*6mm (¼")*	*male*
D. F19724-0804	*6mm (¼")*	*female*

SHOP www.belart.com

Heavy Duty Faucets

Two Sizes to Suit Your Needs



The needle type, Teflon® O-ring seal inside this polyethylene faucet prevents back pressure liquid from escaping through the operating knob. Used on Scienceware® aspirator bottles and tanks, the outlet accepts 16mm I.D. (⅝") tubing. The F30852 fits standard steel drums **Per each, 12 per case.**

LDPE TEFLON®

CATALOG NO.	DESCRIPTION
F30851-0000	*12.7mm (½") NPT*
F30852-0000	*19mm (¾") NPT*



Faucet

Male Threaded Outlet

Same 12.7mm bore (½") needle type polyethylene faucet with same Teflon® O-ring as the F30852 but with the addition of a male threaded outlet. The outlet accommodates garden hose coupling standard 19mm - 4.53 threads per cm (¾" - 11.5 threads per inch). **Per each, 12 per case.**

LDPE TEFLON®

CATALOG NO.	DESCRIPTION
H30857-0000	*19mm (¾") NPT*

Trays, Tanks and Crocks With Faucets; See Pages 412-415

Complete Fitting Assortment

Make the Right Connection - 74 pieces



Stop wasting time hunting for the right tubing connection. This generous assortment of 74 fittings has everything you need for routine laboratory set-ups. A clear, hinge-top, polystyrene storage box makes it easy to find what you need, when you need it.

Kit includes pairs of commonly used sizes of connector and stopper styles as listed below:

Polypropylene Connectors: PP A

- 5 pair Straight Tubing Connectors
- 5 pair "T" Connectors

Polyethylene Connectors: LDPE

- 3 pair Quick Disconnects

- 6 pair Straight-Stepped Tubing Connectors
- 6 pair "Y" Connectors

Polyethylene Stoppers: LDPE

- 12 pair Cup-Type

CATALOG NO.	DESCRIPTION
F19625-0000	*Fitting Assortment - 74 piece*

SHOP www.belart.com



28-Piece Fitting Kit

Economical and Practical

- Compatible with tubing from 4.7 to 12.7mm (3/16 to 1/2")
- Fittings for the most common lab connections
- Clamps for flow control and quick disconnect fittings
- Fittings are molded of autoclavable, 121°C (250°F) polypropylene. (Quick disconnect fittings are polyethylene and not autoclavable)

Kit contains: 5 straight connectors, 4 stepped fittings, 8 "Y" fittings, 4 "T" connectors, 5 quick-disconnect fittings and 2 flow control tubing clamps. The plastic organizer box has room for adding other fittings and parts.

PE PP

CATALOG NO.	DESCRIPTION
F19626-0000	28-piece fitting kit

Quick Disconnects



Mix and Match Series to Make Reducing Combinations

Full range of sizes to fit tubing from 3 to 12mm (1/8 to 1/2") I.D. Consists of two barbed polyethylene connectors which assemble tightly together with a male-female center taper. Very useful in connecting and disconnecting vacuum lines and other tubing assemblies. All sizes are interchangeable with others to make reducing combinations. Operates at temperatures up to 80°C (176°F). **12 per bag, 6 bags per case.**

LDPE

CATALOG NO.	FITS TUBING I.D.
H19727-0000	3 to 6mm (1/8 to 1/4")
H19728-0000	6 to 9mm (1/4 to 3/8")
H19729-0000	9 to 12mm (3/8 to 1/2")



Quick Disconnects

Connect Same or Different Sized Tubing

Polyethylene connectors are ideal for vacuum applications, water lines, manometers, etc. The F19730 series connects same size tubing; F19731 connects different size tubing. **12 per bag, 6 bags per case.**

LDPE

CATALOG NO.	MALE FITTING ID	FEMALE FITTING ID	OVERALL LENGTH
F19730-0001	4.7 to 6.4mm (3/16 to 1/4")	4.7 to 6.4mm (3/16 to 1/4")	6.0cm (2 3/8")
F19730-0002	6.4 to 9.5mm (1/4 to 3/8")	6.4 to 9.5mm (1/4 to 3/8")	6.0cm (2 3/8")
F19731-0552	4.7 to 6.4mm (3/16 to 1/4")	6.4 to 7.9mm (1/4 to 5/16")	6.0cm (2 3/8")

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Stepped Tubing Connectors



Autoclavable Polypropylene

12 per bag

CATALOG NO.	CENTER DIMENSIONS
H19558-0000	*4.7 x 6mm (3⁄16 to 1⁄4")*
H19559-0000	*4.7 x 9.5mm (3⁄16 to 3⁄8")*
H19560-0000	*4.7 x 12.7mm (3⁄16 to 1⁄2")*
H19561-0000	*6 x 9.5mm (1⁄4 to 3⁄8")*
H19562-0000	*6 x 12.7mm (1⁄4 to 1⁄2")*
H19563-0000	*9.5 x 12.7mm (3⁄8 to 1⁄2")*



Straight Connectors

Autoclavable Polypropylene

12 per bag.

CATALOG NO.	TUBING I.D.
H19503-0000	*3.2mm (1⁄8")*
H19507-0000	*4.7mm (3⁄16")*
H19508-0000	*6.0mm (1⁄4")*
H19509-0000	*9.5mm (3⁄8")*
H19510-0000	*12.7mm (1⁄2")*

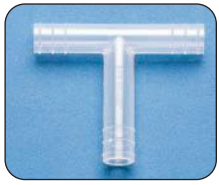
Connector Assortment

Always Have the Right Size Available…Keep an Assortment on Hand!

An assortment of polypropylene straight and straight-stepped tubing connectors. **22 per bag (2 of each size, 19558-19563 and 19503-19510, as shown above).**

CATALOG NO.
H19570-0000

"T" Connectors



Autoclavable Polypropylene.

12 per bag, 6 bags per case.

CATALOG NO.	TUBING I.D.
F19603-0000	*4.7mm (3⁄16")*
F19604-0000	*6mm (1⁄4")*
F19606-0000	*9.5mm (3⁄8")*

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"5 in 1" Connectors



15 Combinations as Connector or Reducer

Fits 5 sizes of tubing and will connect the same size tubing on both ends, or will act as a reducer for any combination within the range. The inside diameter increases with notch size when unneeded length is cut off for unrestricted flow. The molded polypropylene connectors are steam autoclavable at 121°C (250°F). Ring diameters are 14, 12.5, 11, 9.5 and 7.9mm (9/16, 1/2, 7/16, 3/8 and 5/16"). **12 per bag, 6 bags per case.**

PP A

CATALOG NO.	DESCRIPTION	DIMENSIONS
F19655-0000	Straight Connector 5-in-1	9cm (3½") long
F19657-0000	"T" Connector 5-in-1	11.8cm (4⅝") long x 6.7cm (2⅝") branch



"Y" Connectors

Autoclavable Polypropylene

12 per bag, 6 bags per case.

PP A

CATALOG NO.	TUBING I.D.
F19612-0000	3.2mm (⅛")
F19613-0000	4.7mm (3/16")
F19614-0000	6.0mm (¼")
F19615-0000	8.0mm (5/16")
F19616-0000	9.5mm (⅜")
F19618-0000	12.7mm (½")

Stopcocks



2-Piece Design Requires No Lubrication

Molded polyethylene parts snap together forming a tight seal, and the free-turning key needs no lubrication. A quarter turn shuts off flow. Maximum pressure rating 48 KPa (7 psi), 489cm of water.

PE

CATALOG NO.	DESCRIPTION
F30915-0000	Length 7.9cm (3⅛"), fits tubing 9.5mm (⅜") I.D.
F30917-0000	Length 9.8cm (3⅞"), fits tubing 12.7mm (½") I.D.

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Stopcocks

2-Way and 3-Way Connections



With a removable, leak-proof plug made of chemical-resistant, non-stick Teflon® PTFE, these polypropylene stopcocks have barbed tubulations that accept 6.4mm to 9.5mm (¼" to ⅜") I.D. tubing. Three-way models allow connection of any two or all three arms. Pressure rating is 240 KPa (35 psi). Steam autoclavable at 121°C (250°F). **Per each, 6 per case.**

PP TEFLON®

CATALOG NO.	DESCRIPTION	BORE SIZE
F30890-0000	2-way	2mm
F30891-0000	2-way	4mm
F30894-0000	3-way	2mm
F30895-0000	3-way	4mm

Instant Cut-Off Control



Stopcocks

Chemical Resistant Fluoroplastic

PVDF (polyvinylidene fluoride) is a fluoroplastic resistant to most chemicals and withstands temperatures up to 204°C (400°F). Barbed tubulations accept rubber or plastic tubing. Three-way configuration permits connection of any two or all three ports. Maximum pressure rating 34.3 KPa (5 psi). Steam autoclavable at 121°C (250°F).

CATALOG NO.	DESCRIPTION	BORE SIZE	ACCEPTS TUBING I.D.
F30888-0006	3-way	4mm	6mm
F30888-0008	3-way	6mm	8mm
F30888-0010	3-way	8mm	10mm

For Easy, Neat Dispensing

Pinch Valve

Control Fluid Flow without Drips



Squeeze the soft silicone body of the valve to permit flow, and release pressure to suspend the flow. Withstands approximately 16 lbs. of pressure. Made of Teflon®, stainless steel and polypropylene for maximum chemical-resistance. Steam autoclavable at 121°C (250°F). **Per each, 4 per case.**

PP A TEFLON®

CATALOG NO.	FITS TUBING I.D.
F30848-0004	6 to 8mm (¼ to 5/16")
F30848-0005	8mm to 9.5mm (5/16 to ⅜")
F30848-0006	9.5mm to 11mm (⅜ to 7/16")

SHOP www.belart.com

Check Valves



Ensure One-Way Directional Flow in Vacuum Lines

Install in vacuum lines so that built-in arrows indicate direction of free flow. These polyethylene check valves operate positively and will instantly block flow if direction changes. Neoprene disk, no metal. Maximum operating pressure is 20psi. **12 per bag, 6 bags per case.**

LDPE

CATALOG NO.	BORE I.D.	OVERALL LENGTH	TAPER
F19713-0001	2.4mm (3/32")	70mm (2¾")	7.9 to 6.4mm (5/16 to ¼")
F19713-0002	6.4mm (¼")	81mm (3 3/16")	12.7 to 9.5mm (½ to ⅜")



Check Valves

Stops Reverse Flow of Liquid When Pressure Is Interrupted

Useful when connecting a vacuum line to a filter flask. Polypropylene valve with neoprene valve disk. Recommended maximum pressure 20psi (1034 Torr). Autoclavable. **6 per bag, 12 bags per case.**

PP A

CATALOG NO.	OVERALL LENGTH	LENGTH TAPERED END	DIAMETER TAPERED END IN	DIAMETER TAPERED END OUT
H19715-0000	60mm (2⅜")	19mm (¾")	3.1 to 6.4mm (⅛ to ¼")	3.1 to 6.4mm (⅛ to ¼")
H19716-0000	60mm (2⅜")	19mm (¾")	6.4 to 9.5mm (¼ to ⅜")	6.4 to 9.5mm (¼ to ⅜")
H19717-0000	76mm (3")	25mm (1")	9.5 to 12.7mm (⅜ to ½")	9.5 to 12.7mm (⅜ to ½")

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  Steel Wire

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  Polypropylene, High-density and Low-density Polyethylene

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- Modular Clean Room
- Strict Lot Traceability and Material Control
- Quality Processes for Conformity, Uniformity and Repeatability





Chemical Resistance Chart for Plastic Labware

Please see page 428 for table notes and guide to abbreviations.

CHEMICAL	LDPE 20°C	HDPE 20°C	PP 20°C	PMP 20°C	PMMA 20°C	PC 20°C	PVC 20°C	PS 20°C
Acetaldehyde	G	G	G	G	G	L	G	U
Acetamide, Sat.	E	E	E	E	E	U	U	E
Acetic Acid, 50%	E	E	E	E	N	E	E	G
Acetic Anhydride	U	L	G	E	N	U	U	U
Acetone	G	U	E	E	N	U	U	U
Acetonitrile	E	E	L	L	N	U	U	U
Acrylonitrile	E	E	L	L	N	U	U	U
Adipic Acid	E	E	E	E	G	E	E	E
Alanine	E	E	E	E	E	U	U	E
Allyl Alcohol	E	E	E	E	N	G	G	G
Aluminum Hydroxide	E	E	E	E	G	L	E	G
Aluminum Salts	E	E	E	E	E	E	E	G
Amino Acids	E	E	E	E	E	E	E	E
Ammonia	E	E	E	E	G	U	E	G
Ammonium Acetate,Sat.	E	E	E	E	E	E	E	E
Ammonium Glycolate	E	E	E	E	E	G	E	E
Ammonium Hydroxide,30%	E	E	E	E	E	U	E	G
Ammonium Oxalate	E	E	E	E	E	E	E	E
Ammonium Salts	E	E	E	E	E	E	E	G
Amyl Chloride	U	L	U	U	E	U	U	U
Aniline	E	E	G	G	N	L	U	U
Aqua Regia	U	U	U	U	F	U	U	U
Benzaldehyde	E	G	E	E	F	L	U	U
Benzene	U	U	U	G	N	U	U	U
Benzoic Acid, Sat.	E	E	E	E	E	E	E	G
Benzyl Acetate	E	E	E	E	N	L	U	U
Benzyl Alcohol	U	L	U	U	N	U	G	U
Bromine	U	L	U	U	N	L	G	U
Bromobenzene	U	U	U	U	N	U	U	U
Bromoform	U	U	U	U	N	U	U	U
Butadiene	U	L	U	U	G	U	L	U
Butyl Chloride	U	U	U	L	N	U	L	U
Butyl Acetate	G	G	G	G	U	U	U	U
Butyl Alcohol	E	E	E	E	L	G	G	E
Butyric Acid	U	L	U	U	N	L	G	U
Calcium Hydroxide, Conc.	E	E	E	E	G	U	E	G
Calcium Hypochlorite, Sat.	E	E	E	E	G	L	G	G
Carbazole	E	E	E	E	N	U	U	U
Carbon Disulfide	U	U	U	U	F	U	U	U
Carbon Tetrachloride	L	G	G	U	N	U	G	U
Cellosolve Acetate	E	E	E	E	G	L	L	U
Chlorobenzene	U	U	U	L	N	U	U	U
Chlorine, 10% (Moist)	G	G	L	G	E	G	E	U
Chloroacetic Acid	E	E	E	E	N	L	L	G
Chloroform	L	L	U	U	N	U	U	U
Chromic Acid, 50%	E	E	G	G	F	L	E	L
Citric Acid, 10%	E	E	E	E	E	E	G	E
Cresol	U	L	G	G	N	U	U	U
Cyclohexane	U	L	L	U	N	E	L	U
Cyclohexanone	U	L	L	G	N	U	U	U
Cyclopentane	U	L	L	L	G	U	L	U
Diacetone Alcohol	L	E	E	E	N	U	U	G
Diethyl Benzene	U	L	U	U	N	L	U	U
Diethyl Ether	U	L	U	U	F	U	L	U
Diethyl Ketone	U	U	G	L	N	U	U	U
Diethyl Malonate	E	E	E	E	NT	L	G	U
Diethylamine	U	L	G	L	G	U	U	G
Diethylene Glycol	E	E	E	E	E	G	L	G
Diethylene Glycol Ethyl Ether	E	E	E	E	E	L	L	U
Dimethyl Acetamide	L	E	E	L	E	U	U	U
Dimethyl Formamide	E	E	E	E	N	U	L	U
Dimethylsulfoxide	E	E	E	E	NT	U	U	E
Dioxane	G	G	G	L	N	U	L	U
Dipropylene Glycol	E	E	E	E	E	G	G	E
Ether	U	L	U	U	F	U	L	U
Ethyl Acetate	E	E	E	L	N	U	U	U
Ethyl Alcohol (Absolute)	E	E	E	E	G	E	E	L
Ethyl Benzene	U	U	U	U	N	U	U	U

Chemical Resistance Chart for Plastic Labware

CHEMICAL	LDPE 20°C	HDPE 20°C	PP 20°C	PMP 20°C	PMMA 20°C	PC 20°C	PVC 20°C	PS 20°C
Ethyl Benzoate	L	G	G	G	N	U	U	U
Ethyl Butyrate	G	G	G	L	N	U	U	U
Ethyl Chloride, Liquid	L	L	L	L	N	U	U	U
Ethyl Cyanoacetate	E	E	E	E	N	L	L	G
Ethyl Lactate	E	E	E	E	F	L	L	L
Ethylene Chloride	G	G	L	U	N	U	U	U
Ethylene Glycol	E	E	E	E	E	G	E	E
Ethylene Glycol Methyl Ether	E	E	E	E	E	L	L	U
Ethylene Oxide	L	G	L	L	E	L	L	U
Fatty Acids	E	E	E	E	E	G	E	E
Fluorides	E	E	E	E	N	E	E	G
Fluorine	L	G	L	L	N	G	E	U
Formaldehyde, 40%	E	E	E	E	E	E	G	U
Formic Acid, 98-100%	E	E	E	E	N	L	L	L
Freon TF	E	E	E	L	G	G	G	L
Fuel Oil	L	G	E	G	G	E	E	U
Gasoline	L	G	G	G	G	L	G	U
Glutaraldehyde (Disinfectant)	E	E	E	L	G	E	E	E
Glycerine	E	E	E	E	E	E	E	E
Hexane	U	G	G	L	E	L	G	U
Hydrazine	U	U	U	U	N	U	U	U
Hydrochloric Acid,35%	E	E	E	E	E	U	G	L
Hydrofluoric Acid,48%	E	E	E	E	U	U	G	U
Hydrogen Peroxide,90%	E	E	E	E	N	E	E	E
Iodine Crystals	U	U	L	G	N	U	U	U
Isobutyl Alcohol	E	E	E	E	F	E	E	G
Isopropyl Acetate	G	E	G	G	N	U	U	U
Isopropyl Alcohol	E	E	E	E	F	E	E	E
Isopropyl Benzene	L	G	L	U	N	U	U	U
Isopropyl Ether	U	U	U	U	F	U	U	U
Jet Fuel	L	L	L	L	G	U	E	G
Kerosene	L	G	G	G	G	E	E	U
Lacquer Thinner	U	L	L	L	N	U	U	U
Lactic Acid,85%	E	E	E	E	E	E	G	G
Mercury	E	E	E	E	E	U	E	E
Methoxyethyl Oleate	E	E	E	E	E	L	U	U
Methyl Acetate	L	L	G	E	N	U	U	U
Methyl Alcohol	E	E	E	E	F	G	E	L
Methyl Ethyl Ketone	U	U	E	U	N	U	U	U
Methyl Isobutyl Ketone	U	U	G	L	N	U	U	U
Methyl Propyl Ketone	G	E	G	L	N	U	U	U
Methyl-t-butyl Ether	U	L	L	E	G	U	U	U
Methylene Chloride	L	L	L	L	N	U	U	U
Mineral Oil	G	E	E	E	E	E	E	E
Mineral Spirits	L	L	L	E	F	U	G	L
Nitric Acid,1-10%	E	E	E	E	E	E	E	G
Nitric Acid,50%	G	G	L	L	G	G	G	U
Nitric Acid,70%	L	G	U	L	F	U	L	U
Nitrobenzene	U	L	U	U	N	U	U	U
Nitromethane	U	L	L	E	N	U	U	U
n-Octane	E	E	E	E	E	G	L	U
Ozone	E	E	E	E	E	E	E	L
Perchloric Acid	G	G	G	G	N	U	G	G
Perchloroethylene	U	U	U	U	F	U	U	U
Phenol, Liquid	U	U	U	U	N	U	U	U
Phosphoric Acid,85%	E	E	E	E	F	E	E	E
Picric Acid	U	U	U	E	N	U	U	G
Pine Oil	G	E	E	G	E	G	L	U
Potassium Hydroxide,Conc.	E	E	E	E	E	U	E	G
Propane Gas	U	L	U	U	E	L	E	U
Propionic Acid	L	E	E	E	N	U	G	G
Propylene Glycol	E	E	E	E	E	G	L	E
Propylene Oxide	E	E	E	E	N	G	L	U
Resorcinol,Sat.	E	E	E	E	N	G	L	G
Salicylaldehyde	E	E	E	E	G	G	L	U
Salicylic Acid,Sat.	E	E	E	E	F	E	G	E
Salt Solutions, Metallic	E	E	E	E	E	E	E	G
Silicone Oil	E	E	E	E	E	E	E	E

Chemical Resistance Chart for Plastic Labware

CHEMICAL	LDPE 20°C	HDPE 20°C	PP 20°C	PMP 20°C	PMMA 20°C	PC 20°C	PVC 20°C	PS 20°C
Silver Acetate	E	E	E	E	E	E	G	G
Silver Nitrate	E	E	E	E	E	E	E	G
Sodium Acetate, Sat.	E	E	E	E	E	E	G	G
Sodium Hydroxide, 1%	E	G	E	E	E	E	E	G
Sodium Hydroxide, 50% to Sat	G	G	E	E	E	U	U	E
Sodium Hyprochlorite, 15%	E	E	G	E	E	G	E	E
Stearic Acid, Crystals	E	E	E	E	E	E	E	E
Sulfuric Acid, 60%	E	E	E	E	G	G	E	G
Sulfuric Acid, 98%	G	G	L	G	N	U	G	U
Sulfur Dioxide, Liquid	U	U	U	U	N	G	L	U
Sulfur Salts	L	G	L	L	G	L	U	U
Tartaric Acid	E	E	E	E	E	E	E	G
Tetrahydrofuran	L	G	G	L	N	U	U	U
Thionyl Chloride	U	U	U	U	N	U	U	U
Toluene	L	L	L	L	N	L	U	U
Tributyl Citrate	G	E	G	G	F	U	L	U
Trichloroacetic Acid	L	L	L	E	N	L	L	L
Trichloroethane	U	L	U	U	N	U	U	U
Trichloroethylene	U	L	U	U	N	U	U	U
Tris Buffer, Solution	E	E	E	E	E	G	G	G
Turpentine	L	G	G	L	F	L	G	U
Undecyl Alcohol	E	E	E	E	N	G	E	G
Urea	E	E	E	E	E	G	G	E
Vinylidene Chloride	U	L	U	U	N	U	U	U
Xylene	G	L	L	L	N	U	U	U
Zinc Stearate	E	E	E	E	E	E	E	E

Resin Codes:

LDPE ..... Low-Density Polyethylene

HDPE ..... High-Density Polyethylene

PP ..... Polypropylene

PMP ..... Polymethylpentene

PMMA ..... Acrylic

PC ..... Polycarbonate

PVC ..... Polyvinyl Chloride

PS ..... Polystyrene

Chemical Resistance: This chemical resistance chart is a general guide only. Because of the variety of factors that can affect the chemical resistance of a plastic product, it is recommended that the user make tests under expected use conditions. Chemicals may affect the strength, appearance, color, dimensions, flexibility or weight of plastics. Variable factors like temperature, pressure, chemical concentration, length of exposure, and combinations of chemical reagents can affect the chemical resistance of plasticware. As temperature increases, resistance to chemical attack decreases. Environmental stress cracking differs from chemical attack and is caused by the combined factors of tensile stress, the inherent susceptibility of the plastic to stress crack and stress-cracking agents. Such agents as detergents, lubricants, plating additives and brighteners and surface-active agents, even in small concentrations, may cause cracking.

Letter Codes:

E=Excellent
No damage after 30 days of constant exposure

G=Good
Little or no damage after 30 days of constant exposure

L=Limited
Some effect after 7 days of constant exposure

NT=Not Tested

U=Unsatisfactory
Immediate damage, not recommended

Physical Properties of Resins

	Max. Use Temp. (°C)	Brittleness Temp. (°C)	Transparency	Flexibility
LDPE	80	-100	Translucent	excellent
HDPE	120	-100	Translucent	rigid
PP	135	0	Translucent	rigid
PMP	175	+20	Clear	rigid
PMMA	90	-60	Clear	rigid
PC	135	-135	Clear	rigid
PVC	70	-30	Clear	rigid
PS	90	+20	Clear	rigid

	Sterilization* Autoclaving	Sterilization* Gas	Sterilization* Dry Heat	Sterilization* Disinfectants	Specific Gravity
LDPE	No	Yes	No	Yes	0.92
HDPE	No	Yes	No	Yes	0.95
PP	Yes	Yes	No	Yes	0.90
PMP	Yes	Yes	Yes	Yes	0.83
PMMA	No	No	No	Some	1.18
PC	Yes	Yes	No	Yes	1.20
PVC	No	Yes	No	Yes	1.34
PS	No	Yes	No	Some	1.05

*Sterilization:

- **Autoclaving** - Clean and rinse item with distilled water before autoclaving. Certain chemicals which have no appreciable effect on resins at room temperature may cause deterioration at autoclaving temperatures unless removed with distilled water beforehand.
- **Gas** - Ethylene oxide.
- **Dry Heat** - at 160°C.
- **Disinfectants** - Benzalkonium chloride, formalin, ethanol, etc.

Cleaning and Sterilization Guide to Plastic Labware



Scienceware® plastic labware is designed to provide many years of useful service under normal laboratory conditions. The physical properties and chemical resistance of the plastics used in the manufacture of Scienceware® plastic labware are provided for your convenience.

In addition, the following recommendations for cleaning and sterilization of plastic labware are designed to ensure their continuous, effective performance.

Cleaning:

1. Wash in a mild, non-alkaline detergent. We recommend the use of Bel-Art Aquet® Detergent F17094 (Catalog page 70).
2. Next, rinse thoroughly in tap water.
3. Final rinse in distilled water to eliminate all traces of residue.
   - To avoid damage to plastic products, do not utilize abrasive materials such as cleansers or scouring pads. Polycarbonate (PC) items should not be exposed to strong alkaline cleaning agents, as these agents will cause crazing and cracking of the polycarbonate surface.
   - If ultrasonic cleaners are employed, avoid direct contact with transducer diaphragm. When special cleaning is necessary, such as the removal of grease or oil, organic solvents (e.g., acetone, alcohols) may be applied. Use these with caution, as more than brief exposure may affect the polyolefins. Rinse again thoroughly before use. For PS or PVC, only an alcohol-based solution should be utilized. Do not use organic solvents when cleaning acrylics.
   - To remove organic matter from plastic labware, sodium hypochlorite solutions (bleaches) are suggested. A cleaning agent made of chromic acid, though effective, will eventually cause plastic to become brittle.

Laboratory Washing Machines:

Laboratory washing machines are a convenient method of cleaning most types of plastics with the exception of low-density polyethylene, acrylic and polystyrene. Items manufactured of these plastics are adversely affected by the heat involved. In addition, the strength of polycarbonate (PC) will be weakened by repeated exposure to washers. Polycarbonate labware utilized in high stress situations should be washed by hand to ensure effective performance.

When laboratory washing machines are used, water temperature should be set at 57ºC (135ºF) maximum. To avoid damage or abrasion, labware should be weighted down so it stays firmly in place. Exposure to the metal spindles of the washers can be eliminated by covering them with plastic tubing.

Sterilization:

Always clean items and rinse thoroughly in distilled water prior to autoclaving. To avoid pressure build-up, set closures upon containers loosely without threading. Carboys and spigots should be autoclaved empty to prevent leakage. Autoclave at 121ºC (250º F) for twenty minutes to ensure sterility. Ethylene-oxide or chemical disinfectants are recommended for PVC.

Chemical disinfectants such as benzalkonium chloride, formalin, ethanol, iodophor and quaternary ammonium compounds may be used. When choosing ethyleneoxide (ETO) gas sterilization, a seven to fourteen day quarantine period is necessary for the assurance of no ETO residue.

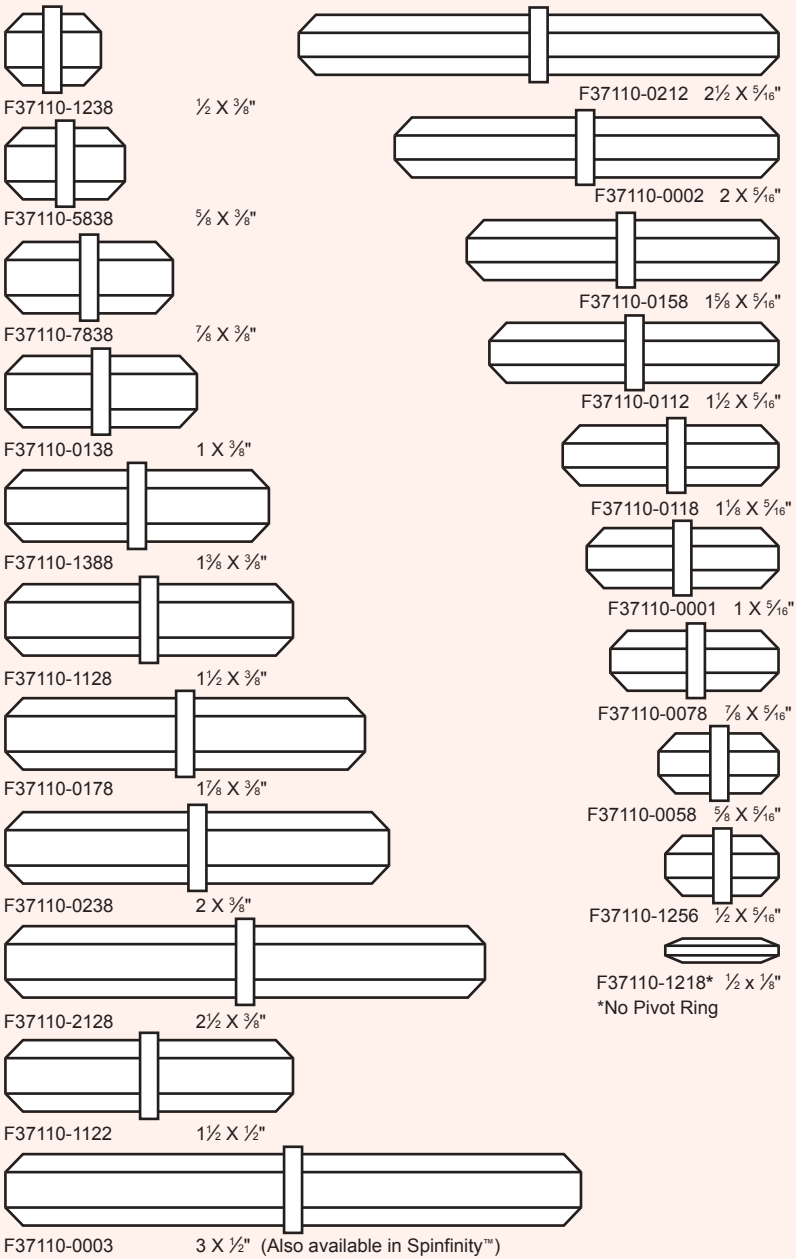
Microwaving:

All plastic materials allow transmission of microwaves; however, please refer to the Physical Properties Chart (page 429) before using plastic containers in a microwave, as the contents in the plastic container may exceed the actual plastic container's heat resistance.

Spinbar® Magnetic Stirring Bar Actual Size Guide

Spinbar® Octagon with Pivot Ring

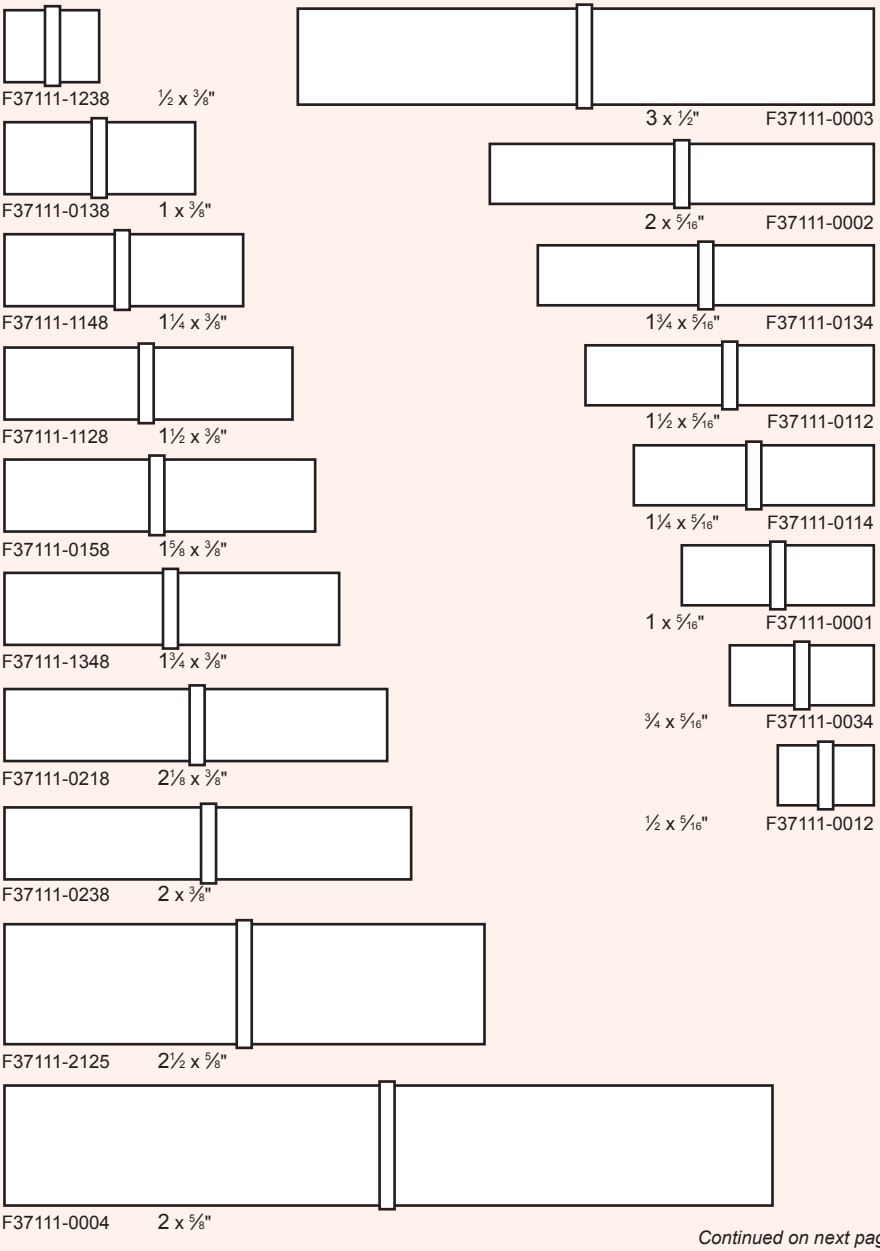
37110 series, page 375



Spinbar® Magnetic Stirring Bar Actual Size Guide

Spinbar® Cylindrical with Removable Pivot Ring

37111 series, page 378

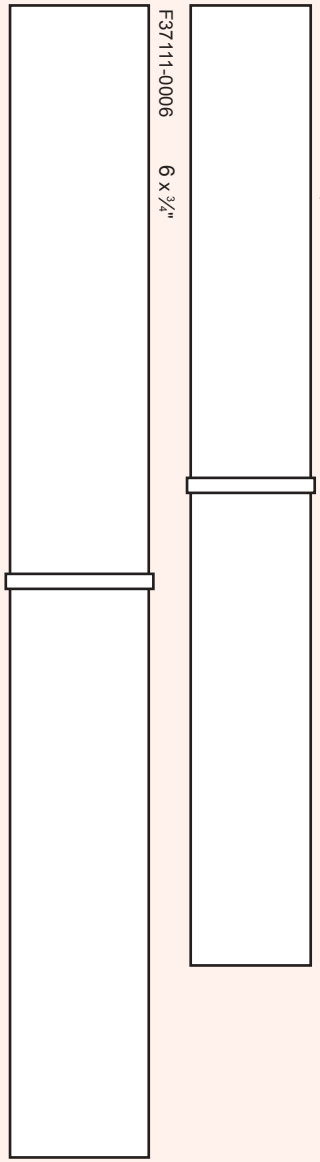


Continued on next page

Spinbar® Magnetic Stirring Bar Actual Size Guide

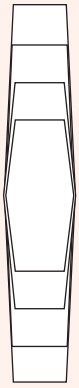
Spinbar® Cylindrical with Removable Pivot Ring

37111 series, page 378



Spinbar® Round with Tapered Ends

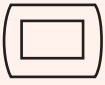
37113 series, page 376



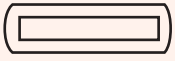
F37113-0208 20 x 8mm
F37113-0309 30 x 9mm
F37113-0409 40 x 9mm
F37113-0509 50 x 9mm

Spinbar® Round Pyrex® Glass Bars

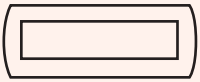
37101 series, page 377



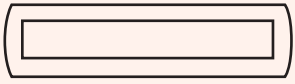
F37101-0012 ½ x ⅜"



F37101-7814 ⅞ x ¼"



F37101-0001 1 x ⅜"



F37101-0112 1½ x ⅜"

Spinbar® Magnetic Stirring Bar Actual Size Guide

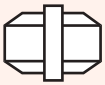
Spinbar® Octagon, Color-Coded

37109 series, page 376



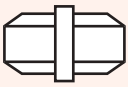
½ x ⅛"

F37109-0034* - Red -0035 - Yellow -0036 - Blue
*No Pivot Ring



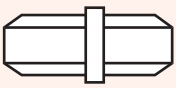
½ x 5⁄16"

F37109-0001 - Red -0002 - Yellow -0003 - Blue



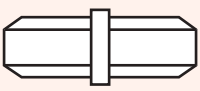
⅝ x 5⁄16"

F37109-0004 - Red -0005 - Yellow -0006 - Blue



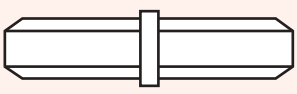
⅞ x 5⁄16"

F37109-0007 - Red -0008 - Yellow -0009 - Blue



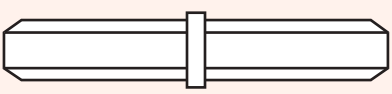
1 x 5⁄16"

F37109-0010 - Red -0011 - Yellow -0012 - Blue



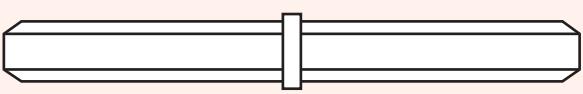
1½ x 5⁄16"

F37109-0019 - Red -0020 - Yellow -0021 - Blue



2 x 5⁄16"

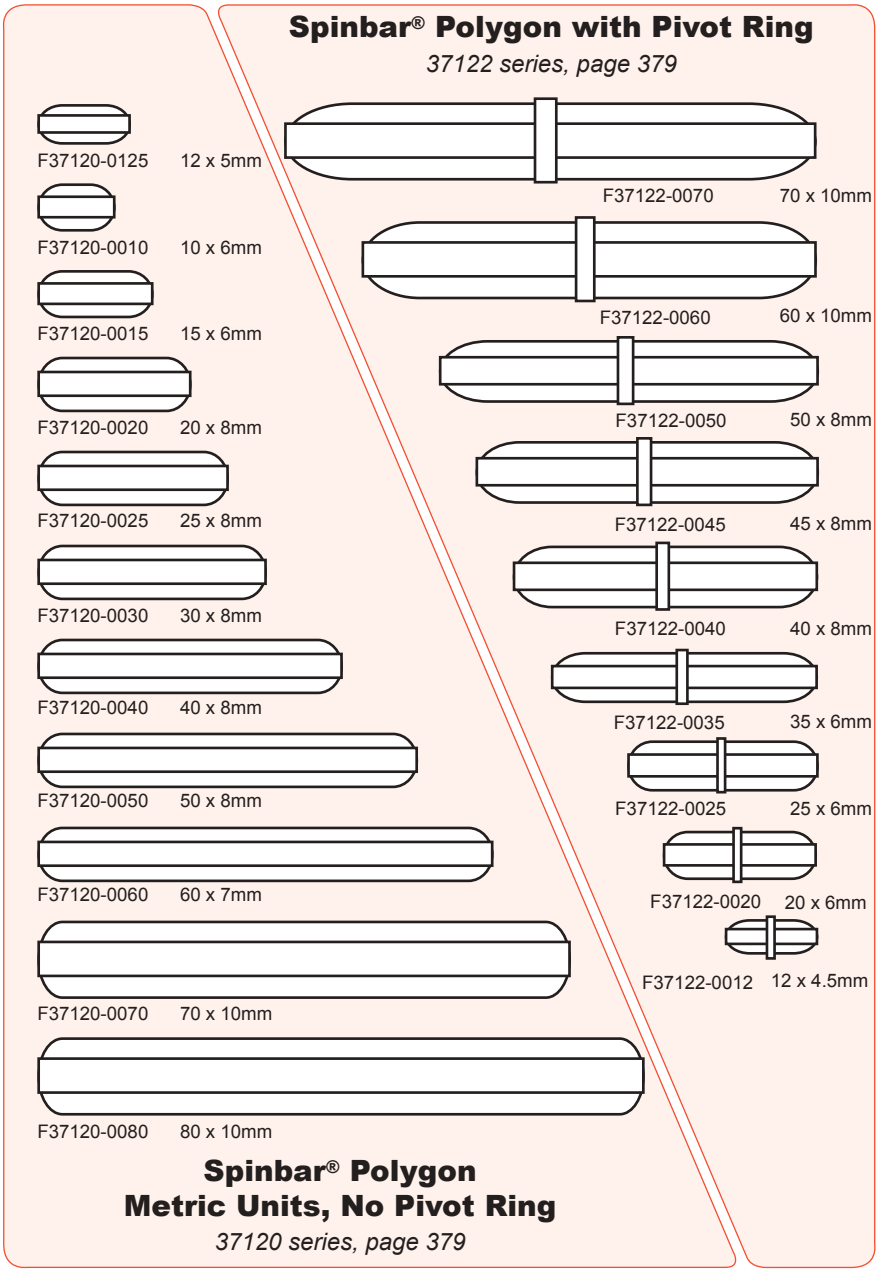
F37109-0028 - Red -0029 - Yellow -0030 - Blue



3 x ½"

F37109-0031 - Red -0032 - Yellow -0033 - Blue

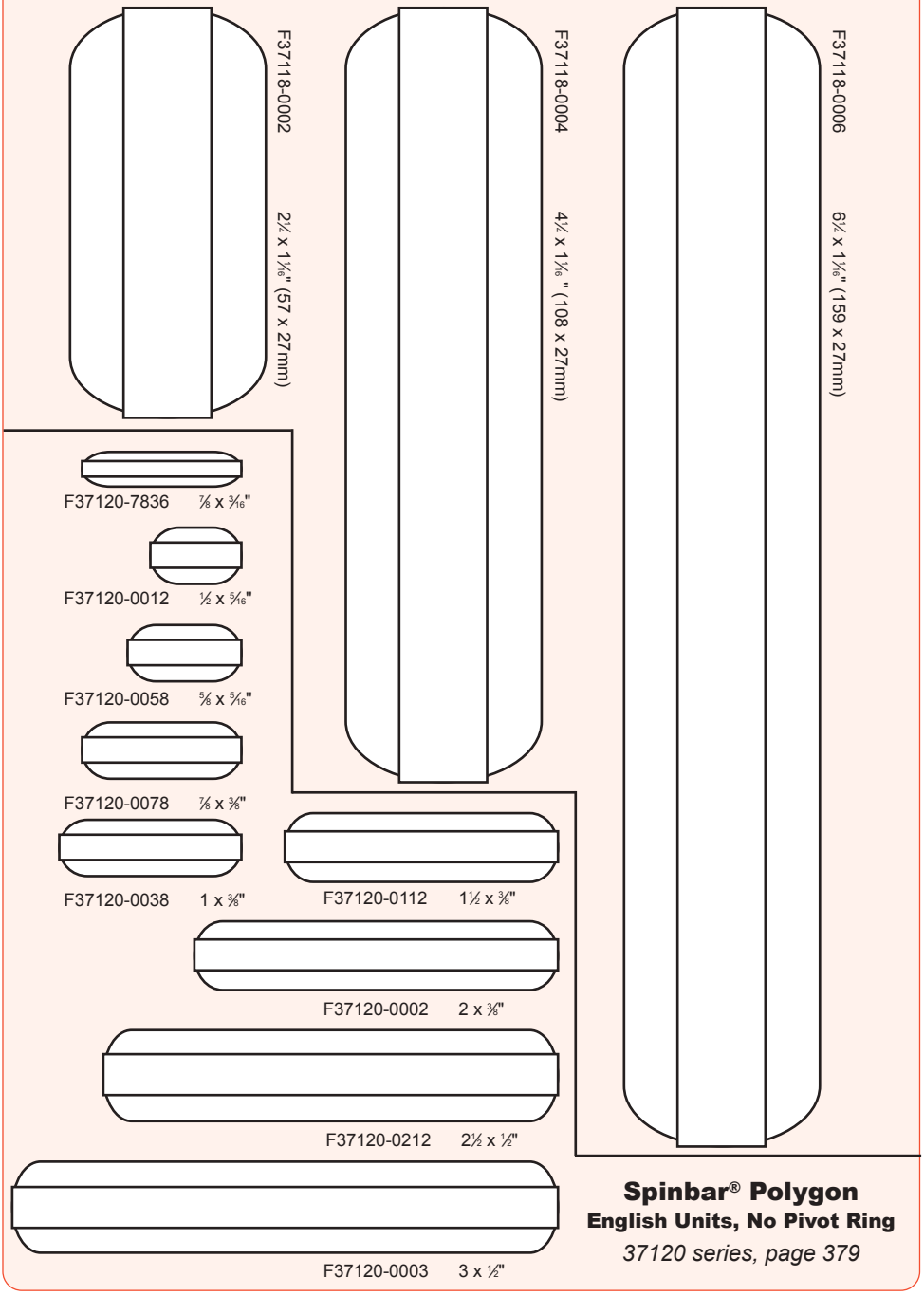
Spinbar® Magnetic Stirring Bar Actual Size Guide



Spinbar® Magnetic Stirring Bar Actual Size Guide

Spinbar® Giant Polygon - No Pivot Ring

37118 series, page 380



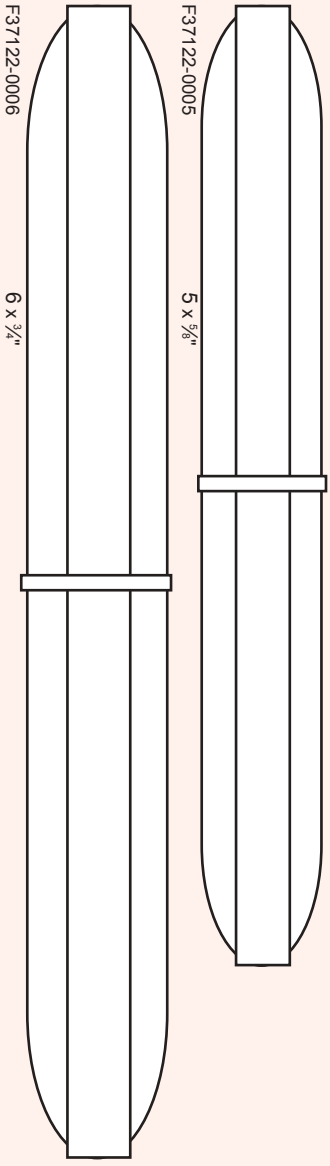
Spinbar® Polygon
English Units, No Pivot Ring

37120 series, page 379

Spinbar® Magnetic Stirring Bar Actual Size Guide

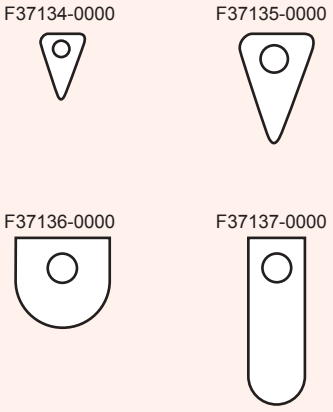
Spinbar® Giant Polygon with Pivot Ring

37122 series, page 380



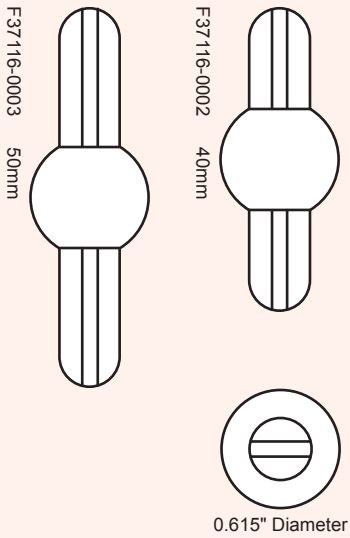
Spinvane® Bars

page 387



Spinbar® Saturn

37116 series, page 383



Spinbar® Magnetic Stirring Bar Actual Size Guide

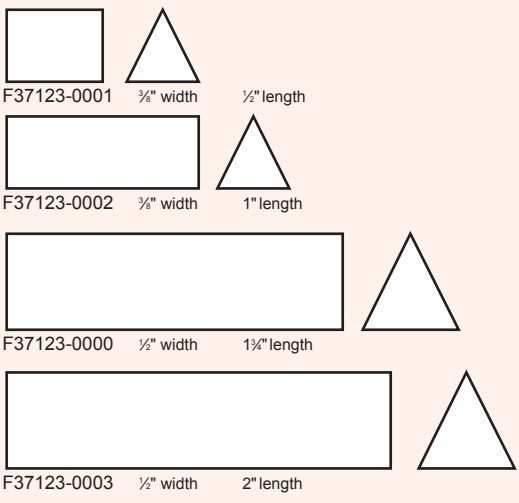
Spinbar® Micro (Flea) Bars

37121 series, page 384

F37121-0001 - Red	-0002 - Yellow	-0003 - Blue	8 x 1.5mm
F37121-0004 - Red	-0005 - Yellow	-0006 - Blue	15 x 1.5mm
F37121-0007 - Red	-0008 - Yellow	-0009 - Blue	2.0 x 2.0mm
F37121-0010 - Red	-0011 - Yellow	-0012 - Blue	5 x 2.0mm
F37121-0013 - Red	-0014 - Yellow	-0015 - Blue	7 x 2.0mm
F37121-0016 - Red	-0017 - Yellow	-0018 - Blue	3 x 3.0mm
F37121-0019 - Red	-0020 - Yellow	-0021 - Blue	6.4 x 3.0mm
F37121-0022 - Red	-0023 - Yellow	-0024 - Blue	10 x 3.0mm
F37121-0025 - Red	-0026 - Yellow	-0027 - Blue	12.7 x 3.0mm

Spinwedge® Bars

37123 series, page 381



F37123-0001 ⅜" width ½" length

F37123-0002 ⅜" width 1" length

F37123-0000 ½" width 1¾" length

F37123-0003 ½" width 2" length

Spinbar® Magnetic Stirring Bar Actual Size Guide

Spinbar® Elliptical (Egg Shaped) Bars

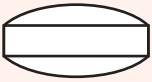
37130 series, page 381



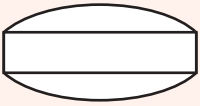
F37130-0038 ⅜ x 3/16"



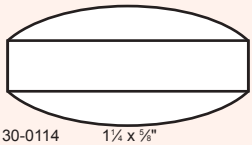
F37130-0058 ⅝ x ¼"



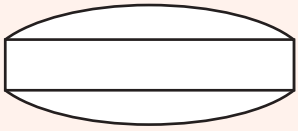
F37130-0034 ¾ x ⅜"
For 10, 25, 50 and 100ml round bottom flasks.



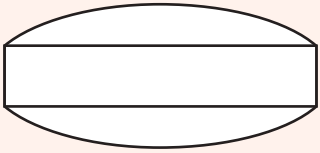
F37130-0001 1 x ½"
For 100 and 200ml round bottom flasks.



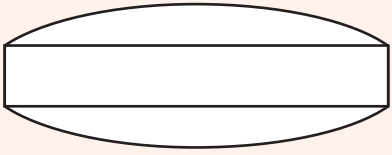
F37130-0114 1¼ x ⅝"
For 300 and 500ml round bottom flasks.



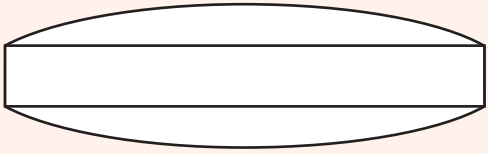
F37130-0112 1½ x ⅝"
For 300 and 500ml round bottom flasks.



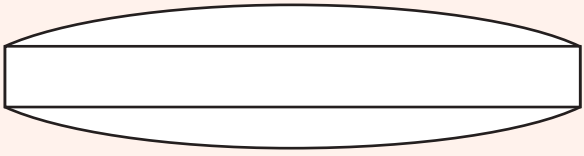
F37130-0158 1⅝ x ¾"
For 500 and 1000ml round bottom flasks.



F37130-0002 2 x ¾"
For 2000 and 3000ml round bottom flasks.



F37130-0212 2½ x ¾"
For 3000 and 5000ml round bottom flasks.

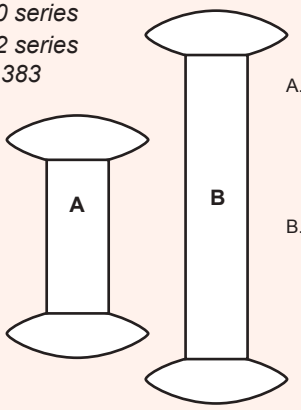


F37130-0003 3 x ¾"
For 12000 and 22000ml round bottom flasks.

Spinbar® Magnetic Stirring Bar Actual Size Guide

Circulus™ Bars

37170 series
37172 series
page 383



A. 32mm long

F37170-0000	White
F37170-0001	Red
F37170-0002	Yellow
F37170-0003	Blue

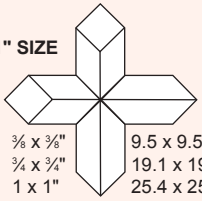
B. 52mm long

F37172-0000	White
F37172-0001	Red
F37172-0002	Yellow
F37172-0003	Blue

Spinplus™ Bars

37144 series, page 382

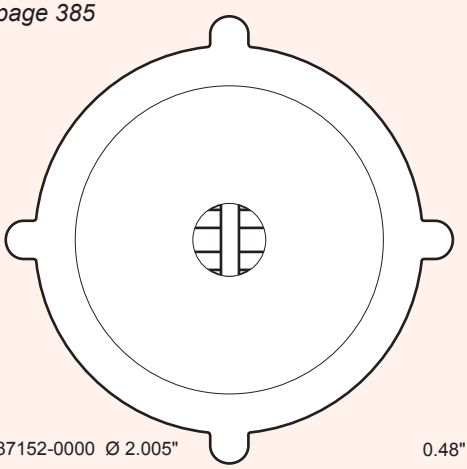
SHOWN IN 1" SIZE
37144-0100



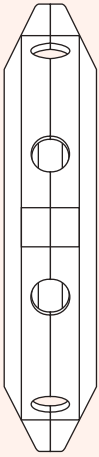
F37144-0038	⅜ x ⅜"	9.5 x 9.5mm
F37144-0034	¾ x ¾"	19.1 x 19.1mm
F37144-0100	1 x 1"	25.4 x 25.4mm
F37144-0114	1¼ x 1¼"	32 x 32mm
F37144-0112	1½ x 1½"	38 x 38mm

Spinbar® Capsule

page 385



F37152-0000 Ø 2.005"

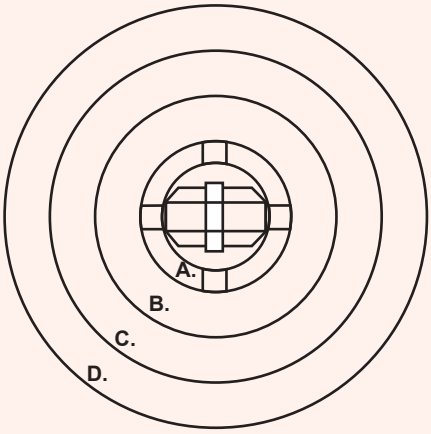


0.48" Thick

Spinbar® Magnetic Stirring Bar Actual Size Guide

Spinring® Bars

37140 series, page 382



A. F37140-0005	Stirring bar size ½ x 5/16" ring diameter ¾"
B. F37140-0010	Stirring bar size 1 x 5/16" ring diameter 1¼"
C. F37140-0015	Stirring bar size 1½ x 5/16" ring diameter 1¾"
D. F37140-0020	Stirring bar size 2 x 5/16" ring diameter 2¼"

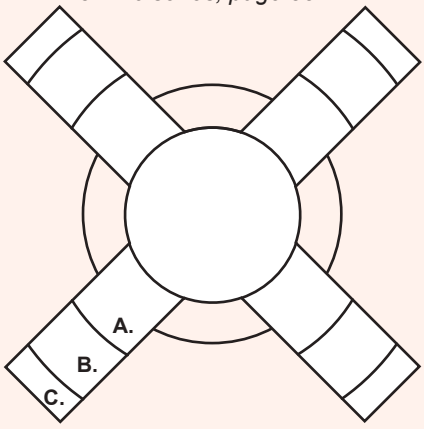
Spinbar® Cell Bar

page 388

F37150-0000 9 X 8mm

Spinstar® Bars

37146 series, page 382



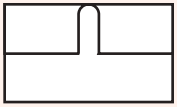
A. F37146-0100	for 100ml beaker, 1¾" diameter
B. F37146-0250	for 250ml beaker, 2 7/16" diameter
C. F37146-0400	for 400ml beaker, 2¾" diameter

Spinbar® Magnetic Stirring Bar Actual Size Guide

Spinfin® Bars

37125 series, page 386

PROFILE VIEW

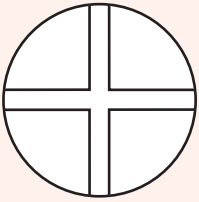




F37125-0058
⅝" diameter
½" height



F37125-0034
¾" diameter
½" height



F37125-0078
⅞" diameter
½" height



F37125-0014
5/16" diameter
⅜" height



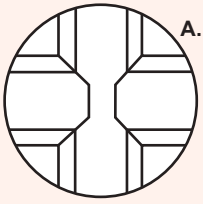
F37125-0038
⅜" diameter
⅜" height

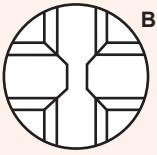


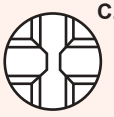
F37125-0012
½" diameter
½" height

Double Spinfin® Bars

37126 series, page 386

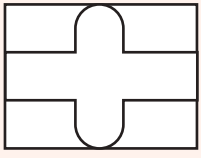






CAT NO.	DIAMETER	HEIGHT
A. F37126-0001	1"	¾"
B. F37126-0034	¾"	⅝"
C. F37126-0012	½"	½"

PROFILE VIEW

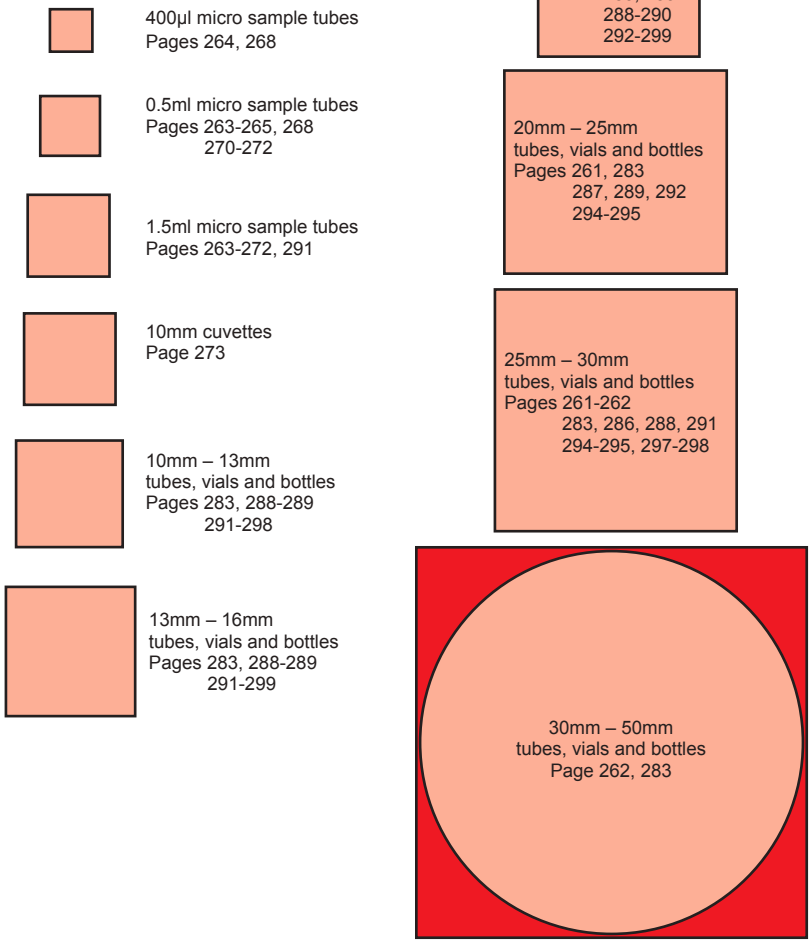


Rack Selection Guide – Tubes, Vials & Bottles

Use this sizing chart to determine the rack that best fits your tubes, bottles, vials, etc. Shaded area is the size of the rack opening. Tube bottom should fit within the shaded area. Catalog pages for racks designed to fit each tube or bottle size are located next to each schematic.

Scienceware® racks are manufactured from the highest quality materials and assure a precise fit for your tubes, bottles or vials. Choose from Poxygrid® coated wire racks, No-Wire™ polypropylene supports (racks) or any of our other molded plastic racks, each with unique features designed to meet your specific needs. Most Scienceware® racks are autoclavable, and many racks either stack or "knock down" for convenient storage.

If you have customized needs for a unique rack design that requires a special size, material or configuration, please contact us at 1.800.4BELART for a custom manufacturing quote.



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Key to Icons

For your convenience, the following symbols, or icons, are used throughout this catalog. They serve to identify the areas in the lab where the product(s) can be used, safety/environmental hazards, processes and component materials.



Relates to products involving radioactive materials.



Indicates a Biohazard; usually found on waste containers.



Indicates that a product may be autoclaved.



Indicates that the product is CE Certified.



Indicates that the product is ETL listed.





High Density Polyethylene | Low Density Polyethylene | Polycarbonate | Polyethylene | Polypropylene | Polystyrene | Polyvinyl Chloride | Polymethylpentene

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