SP

New & Top Selling Products

SP Bel-Art® | SP Wilmad-LabGlass | SP Hotpack® | SP FTS® | SP Genevac®

Multi-Channel Pipetting

Prepare | Process | Sequence | Store

Catalog No.	description
① F37860-0000	Deep-Well Plate; 96 Places, 2ml, Polypropylene, 5 x 3⅜ x 1⅝ in. (Pack of 24)
F37860-0001	Deep-Well Plate; Sterile, 96 Places, 2ml, Polypropylene, 5 x 3⅜ x 1⅝ in. (Pack of 24)
F37860-0004	Cover for 96 Deep-Well Plate; Polypropylene (Pack of 24)
F37860-0005	Side Loader Collar for 96 Deep-Well Plate; Compatible with Beckman Biomek Systems (Pack of 24)
② F18765-0001	Poxygrid Test Tube Rack; For 13-16mm Tubes, 96 Places
③ F37882-0000	"Three-In-One" Multi-Channel Pipette Reservoirs; Polypropylene, 12-Channel, 8-Channel, Open Trough (Pack of 10)
④ F37873-0000	Transpette Non-Sterile Low-Density Polyethylene 8 Channel Disposable Transfer Pipettor (Pack of 25)
F37873-0001	Transpette Sterile Low-Density Polyethylene 8 Channel Disposable Transfer Pipettor (Pack of 100)
⑤ F37880-1200	Polypropylene 12 Channel Reagent Reservoirs; 5 x 2¼ x 1¼ in. (Pack of 8)
⑥ F18845-0031	Microcentrifuge Tube Rack; For 0.5 or 1.5-2.0ml Tubes, 96 Places, Assorted Colors (Pack of 5)*
F18845-0018	Microcentrifuge Tube Rack; For 0.5 or 1.5-2.0ml Tubes, 96 Places, Assorted Fluorescent Colors (Pack of 5)*
⑦ F18902-0005	PCR Rack; for 0.2ml Tubes, 96 Places, Assorted Colors (Pack of 5)*

*All colors are also sold individually

Bel-Art | FTS | Genevac | Hotpack | Hull | i-Dositecno | Service | Virtis | Wilmad-LabGlass

Research, industry and healthcare professionals throughout the world rely on SP Industries' synergistic collection of fill-finish drug manufacturing solutions, freeze dryers, durable benchtop equipment, laboratory apparatus and scientific glassware to keep their manufacturing and research running smoothly and efficiently. Learn more about all of the SP brands at ScientificProducts.com

This catalog features new and top selling labware, glassware, and life science benchtop equipment from the SP Industries, Inc. brands - SP Bel-Art, SP Wilmad-LabGlass, SP Hotpack, SP FTS, and SP Genevac. For more product information or to order products, individual contact information for each brand can be found in the footer of the corresponding page, or on the back cover in more detail.

Table of Contents

Poxygrid® Bench-Top Biohazard Bag Holder Kit

Handy Benchtop Disposal for Labs and Medical Offices

- Perfect for collecting pipette tips, microcentrifuge tubes, etc. during daily use
- Holds a 22 x 28cm (8½ x 11") polyethylene biohazard bag (F13166-0000)
- Cover provides compliance with OSHA 29 CFR 1910.1030(d)(2)(xiii)(A)

⚠ See page 49

Catalog No.	Description
F13193-0500	Kit - Includes Bag Holder, Cover & Bags (100pk)

Visit www.sp-belart.com for replacement bags, frame and cover.

Benchtop Biohazard Disposal Can with Motion Sensor Lid

Hands-Free Operation for Biohazard Waste

- Contains odors; perfect for small items such as pipette tips and microcentrifuge tubes
- Lid automatically opens and closes for hands-free use
- Holds a 25 x 25cm (10 x 10") autoclavable biohazard disposal bag (F13166-0000 or H13182-1010)

⚠ See page 49

Catalog No.	Dimensions (Diam. x H)	Capacity
H13194-1011	12.4 x 17cm (4⁴⁄₅ x 6⁷⁄₁₀")	1.5L

Biohazard Incinerator Cartons

Contain Biohazardous Waste Slated for Incineration

- Tabs along top edge keep a clear 0.038mm (1.5 mil) thick polyethylene biohazard bag from slipping out of place
- Printed with large, bright, biohazard graphics and instructions in four languages (English, Spanish, French, German)
- Optional, reusable, sanitary cover (F13204-0000) for floor model sold separately

Catalog No.	Model	Dimensions (L X W X H)	Quantity / Pack
F13205-0001	Floor	30.5 x 30.5 x 68.5cm (12 x 12 x 27")	6
F13205-0002	Benchtop	19.6 x 19.6 x 25.4cm (8 x 8 x 10")	6
F13204-0000	Optional Polypropylene Cover for Floor Model	31.5 x 31.5cm (12½ x 12½")	1

Disposal Cartons For Glass

Contain Broken Glass Fragments and Spilled Liquids

- When full, lift flap opening to a closed position and entire unit is ready for disposal
- Printed with eye-catching graphics in four languages (English, German, French, Spanish)
- Optional, reusable cover (F13204-0001) for floor model sold separately

Catalog No.	Model	Dimensions (L X W X H)	Quantity / Pack
F24653-0001	Floor	30 x 30 x 69cm (12 x 12 x 27")	6
F24653-0002	Benchtop	20 x 20 x 25cm (8 x 8 x 10")	6
F13204-0001	Optional Plastic Cover for Floor Model	31.5 x 31.5cm (12½ x 12½")	1

sidENTRY™ Glove Box

Large Access Door for Materials and Equipment

- Portable design - small enough to move wherever it's needed
- Gas purging of the glove box is possible via the supplied and easily assembled stopcock
- Select from bellows type glove, economy sleeved glove, seamless sleeved glove or the iris port for hand entry, all sold separately

⚠ See page 49

ACRYLIC

Catalog No.	Dimensions (L X W X H)	Volume	Door Opening (W X H)
H50026-0000	76.2 x 61 x 61cm (30 x 24 x 24")	283.2L (17280cu. in.)	44.5 x 44.5cm (17½ x 17½")

Large Weighted Safety Shields

Highest Impact Resistance of All Transparent Shield Materials

- Stable, three-sided construction provides front and side protection against flying debris
- Shields meet High Mass Impact Test and High Velocity Impact Test as defined by ANSI Z87.1, sections 9.11 and 9.12, respectively
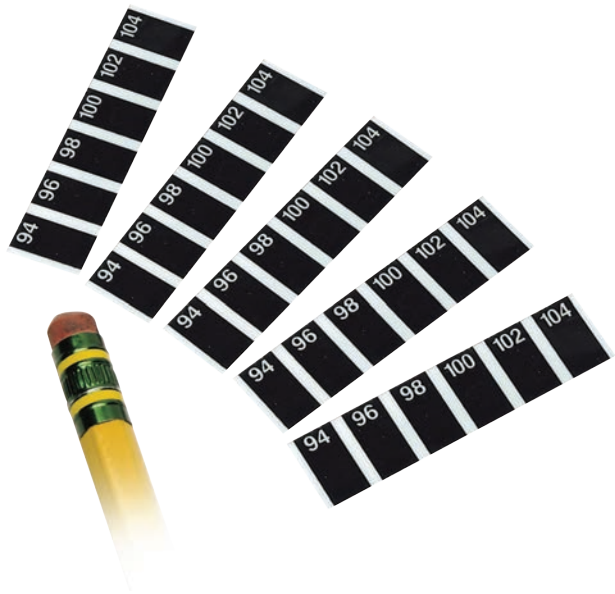
⚠ See page 49

PC

Catalog No.	Height	Outside Base Dimensions(W x D)	Weight
H24962-0000	76cm (30˝)	50 x 17cm (19½ x 6½˝)	8.4kg (18.5lb)
H24964-0000	91cm (36˝)	50 x 17cm (19½ x 6½˝)	8.9kg (19.6lb)

H-B® DURAC® Liquid Crystal Disposable Forehead Stick-On Thermometer Strip

Fast and Reliable Method to Monitor Temperature

- Easy to use, non-invasive body temperature measurement ideal for workforce personnel
- Color-coded readings for quick evaluation
- Can be self-applied to maintain social distancing
- Latex-free

Catalog No.	Range	Accuracy	Divisions	Length	Quantity / Pack
B62010-0000	94/104°F	±1°F	2°F	45mm (1.8")	100

Full Coverage Face Shields with Anti-Fog

NEW

Protects Against Exposure to Bodily Fluids and Infectious Materials

- Large, wrap-around design provides coverage of entire face with unrestricted visibility
- Helps protect the face from potential hazards such as dust, dirt, pathogens, sprays and fluids
- Disposable shield; single use only

Full Coverage Face Shields with Anti-Fog have not been FDA cleared or approved. The product has been authorized by FDA under an EUA for use by healthcare providers as personal protective equipment. This product is only authorized for the duration of the declaration that circumstances justifying the authorization of emergency use under Section 564(b)(1) of the Act, 21 USC 360bbb-3(b)(1) unless the authorization is terminated or revoked sooner.

Catalog No.	Type	Height	Width	Thickness	Quantity / Pack
H24874-0000	Adjustable 1.5cm (⁵/₈") wide elastic strap	23cm (9")	38cm (15")	0.19mm	20
H24874-1000	CE marked, anti-static, latex-free, riveted 1.9cm (³/₄") elastic strap	23cm (9")	33cm (13")	0.36mm	20

Labmat™ Bench Liner Rolls & Sheets

Protect Your Benchtop

- Speeds clean-up and safeguards work surfaces from stains, spills and wear
- Highly absorbent upper surface traps up to 420ml/m² of water, dyes, corrosive chemicals or radioactive solutions

Catalog No.	Description
F24675-0000	White 50ft. roll
F24675-0020	Cut Sheets, box of 100 – White, 50.8 x 61cm (20 x 24")
F24675-1000	Safety Orange for biohazard designated use. 50ft. roll

Clavies® Biohazard Autoclave Gloves

Safely Unload Your Autoclave

- Heat-resistant up to 232°C (450°F); replace hazardous asbestos gloves
- Gauntlets in two lengths provide wrist and forearm protection
- Machine wash, air dry, or use the Lab-Aire® II Glove Holder (F18931-0000) to dry on any Lab-Aire® dryer

Catalog No.	Gauntlet Length	Overall Length	Quantity / Pack
H13201-0000	13cm (5")	33cm (13")	1 Pair
H13201-0001	28cm (11")	47cm (18.5")	1 Pair

Trigger Sprayers w/ 53mm Adapters

Adjustable Sprayer for Wash Bottles

- For adjustable spray dispensing of a wide range of chemicals including bleach, ethanol, machine oil and water
- Will not corrode with repeated exposure to 10% bleach disinfecting solution
- Fits SP Bel-Art bottles with 53mm wide closure when utilizing included adapter and most bottles with a 28mm closure

See page 49

Product Video:
bit.ly/37WWVuS

MADE IN USA

Catalog No.	Description	Quantity / Pack
F11620-0050	Trigger Sprayers with 53mm Adapters	2

GHS Labeled Right-to-Know, Safety-Vented Wash Bottles

Satisfy Requirements of GHS and OSHA HazCom 2012 for Workplace Labeled Containers

- Pre-printed with chemical name and formula, GHS pictogram and signal word*, NFPA Section 704 Four-color Diamond, health hazards, CAS number, and suggested protective clothing and equipment
- Unique valve** prevents pressure build-up eliminating potentially dangerous chemical drips
- Wide mouth 53mm (2") bottle for easy refilling

* Bottles with labels that do not indicate a hazardous chemical do not have/require GHS pictogram or signal word

**Methyl Ethyl Ketone and Toluene do not include vented valve

⚠ See page 49

LDPE PP MADE IN USA

Catalog No.	Label	Capacity	Bottles / Pack	Catalog No.	Label	Capacity	Bottles / Pack
F12416-0001	Acetone	500ml	4	F12416-0016	Toluene**	500ml	4
F12416-0002	Dichloromethane	500ml	4	F12416-0017	Water*	500ml	4
F12416-0003	Deionized Water*	500ml	4	F12416-0019	Ethanol	500ml	4
F12416-0004	Distilled Water*	500ml	4	F12416-0050	Assortment (4pc)	500ml	4
F12416-0007	Ethyl Acetate	500ml	4	F12432-0001	Acetone	1000ml	2
F12416-0008	Isopropanol	500ml	4	F12432-0004	Distilled Water*	1000ml	2
F12416-0010	Machine Oil	500ml	4	F12432-0008	Isopropanol	1000ml	2
F12416-0011	Methanol	500ml	4	F12432-0011	Methanol	1000ml	2
F12416-0012	Methyl Ethyl Ketone**	500ml	4	F12432-0015	Sodium Hypochlorite (Bleach)	1000ml	2
F12416-0013	Isotonic Saline*	500ml	4	F12432-0019	Ethanol	1000ml	2
F12416-0015	Sodium Hypochlorite (Bleach)	500ml	4	F12432-0050	Assortment (4pc)	1000ml	4

Dispensing Jug

Dispense Directly from 5 Gallon Graduated Jug without Lifting or Moving

- Gasketed and threaded LDPE spigot extends 125mm from jug; features a 35mm long stem for dispensing
- Graduations on side and top - fluid volume can be seen regardless of orientation
- Top opening is 70mm I.D. for fast re-filling

HDPE LDPE

Catalog No.	Capacity	Top Opening I.D.
H11850-0000	20L (5gal)	70mm

Tall Form Graduated Pitchers

Shatterproof Polypropylene

- Use with wet or dry ingredients
- Chemical resistant and shatterproof
- Metric gradations molded on outside wall
- Heat resistant to 121ºC (250ºF)

PP A

Catalog No.	Capacity	Graduation	Height	Top O.D.	Bottom O.D.
F28989-0000	250ml	Every 5ml	11.9cm (4¾")	7.2cm (2⅞")	5.7cm (2¼")
F28990-0000	500ml	10ml	13.3cm (5¼")	9.5cm (3¾")	7.6cm (3")
F28991-0000	1000ml	10ml	16.5cm (6½")	12.3cm (4⅞")	9.8cm (3⅞")
F28992-0000	2000ml	20ml	21.5cm (8½")	15cm (5⅞")	11.6cm (4½")
F28993-0000	3000ml	50ml	26.6cm (10¾")	16.2cm (6⅜")	12.4cm (4⅞")
F28994-0000	5000ml (5L)	100ml	27.2cm (10¾")	21cm (8¼")	16.5cm (6½")
F28995-0000	10,000ml (10L)	200ml	32.0cm (12⅝")	26.9cm (10⅝")	22.3cm (8¾")

Stainless Steel Pharma Scoops

NEW

Seamless Design for Peace of Mind

- Reusable, high-quality scoops for powder and granules
- Pharmaceutical grade 316 stainless steel
- Easy to clean seamless design helps prevent cross-contamination
- High salt and acid resistance, ideal for food sampling
- GMP compliant

⚠ See page 49   STAINLESS STEEL **A**

Catalog No.	Nominal Capacity	Bowl Length	Bowl Diameter	Overall Length
F36738-0010	10ml (0.4oz)	4.5cm (1¾")	2.5cm (1")	7.5cm (3")
F36738-0050	50ml (2oz)	7.0cm (2¾")	3.8cm (1½")	11.0cm (4⅜")
F36738-0100	100ml (3oz)	10.0cm (4")	5.0cm (2")	18.0cm (7⅛")
F36738-0500	500ml (17oz)	14.0cm (5½")	9.5cm (3¾")	24.0cm (9½")
F36738-0750	750ml (25oz)	21.0cm (8¼")	9.5cm (3¾")	33.0cm (13")
F36738-1000	1000ml (34oz)	23.5cm (9¼")	11.0cm (4⅜")	34.0cm (13⅜")
F36738-1250	1250ml (42oz)	19.5cm (7⅝")	12.5cm (4⅞")	30.5cm (12")
F36738-1700	1700ml (58oz)	23.0cm (9")	13.5cm (5⅜")	35.5cm (14")
F36738-2500	2500ml (85oz)	21.5cm (8½")	18.5cm (7¼")	32.0cm (12⅝")

Stainless Steel Economy Scoops

NEW

Reusable to Help Reduce Waste

- Low-cost, high-quality scoop ideal for general laboratory use
- High sides to prevent spillage
- Useful in applications with limited salt exposure
- Stainless steel grade 304

⚠ See page 49   STAINLESS STEEL **A**

Catalog No.	Nominal Capacity	Bowl Diameter	Overall Length
F36739-1000	1000ml (34oz)	10.5cm (4⅛")	30.5cm (12")
F36739-1500	1500ml (51oz)	12.0cm (4¾")	34.0cm (13⅜")
F36739-2000	2000ml (68oz)	15.0cm (5⅞")	37.5cm (14¾")

SP Bel-Art®   1-800-423-5278 | cservice.belart@spindustries.com | sp-belart.com

All Sterileware® Sample Handling Tools Are:

- Made from FDA and EU conforming materials; safe for food, drug and cosmetic use
- Gamma irradiated sterile (SAL 10^{-6})
- Heat sealed in individual polyethylene bags
- Lot stamped for accurate tracing

NEW

Sterileware® Oval Sampling Spoons

Small Sample Collection; Long Handle Reach

Sterileware® Extra-Long, Bent Handle Spoons

Keeps Hands Safely Away from Samples

Sterileware® Volumetric Sampling Spoons

Sterile Spoons for Volume Measurement

Sterileware® Flat Bottom Sampling Scoops

Useful as a Weigh Boat or for Volume Measurements

Sterileware® White Pharma Scoops

High Handle Keeps Hand Further from Sample

Sterileware® Red Pharma Scoops

Brightly Colored to Stand Out

For details on these Sterileware® products and more, check out the full line sample handling catalog in the Product Resource Center on sp-belart.com

NEW

Sterileware® Powder Lance Sampler

Insert, Rotate, and Withdraw for Cohesive Powder Sampling

Sterileware® Powder Probe Sampler

Free-Flowing Powder Sampler

Sterileware® Powder Thieves

Sample from Within Bulk Powders

Sterileware® Cupped Powder Spatulas

Holds Sample Within the Blade

Sterileware® Powder Funnels

Sterile Funnel for QC Powder Transfer

Sterileware® Liquid Thieves

Easily Sample Low Viscosity Liquids

For details on these Sterileware® products and more, check out the full line sample handling catalog in the Product Resource Center on sp-belart.com

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NEW

Sterileware® Cross-Sectional Liquid Samplers

Internal Sampling of Liquids and Creams

Sterileware® Upright Handle Dippers / Ladles

Sterile Sampling of Liquids or Creams

Sterileware® Triangular Scraper

Wide Blade Covers More Area

Sterileware® Single Slot Powder Sampler

Powder Sampling at a Specific Point

Sterileware® Jumbo Pipettes

Fast, Sterile Liquid Sampling from Within Containers

For details on these Sterileware® products and more, check out the full line sample handling catalog in the Product Resource Center on sp-belart.com

Reduce the Risk of Contamination in Multi-Zone Clean Rooms

NEW

Sterileware® Double Bagged Sterile Sampling Scoops

- Sterilized with an additional outer bag to provide extra protection against contamination and debris
- Long handle on 2oz and 4oz scoops reduces contamination potential
- Flat bottom on 2oz and 4oz scoops allow for use as a weighing boat

⚠ See page 49

Catalog No.	Nominal Capacity	Dimensions (L X W X H)	Bowl Dimensions (L X W X H)	Handle Length	Quantity / Pack
H36902-1010	60ml (2oz)	20.5 x 4.1 x 2.9cm (8¹⁄₁₆ x 1⅝ x 1⅛")	7.8 x 4.1 x 2.9cm (3¹⁄₁₆ x 1⅝ x 1⅛")	12.7cm (5")	10
H36904-1010	125ml (4oz)	22.1 x 5.1 x 3.3cm (8¹¹⁄₁₆ x 2 x 1⁵⁄₁₆")	9.4 x 5.1 x 3.3cm (3¹¹⁄₁₆ x 2 x 1⁵⁄₁₆")	12.7cm (5")	10
H36906-1010	250ml (8oz)	19.1 x 5.4 x 4.9cm (7½ x 2⅛ x 1¹⁵⁄₁₆")	13.5 x 5.4 x 4.9cm (5⁵⁄₁₆ x 2⅛ x 1¹⁵⁄₁₆")	5.6cm (2³⁄₁₆")	10

Sterileware® Double Bagged Sterile Scoop Sampling System

- Bagged twice for extra protection from contamination
- Snap-on lid allows scoop to be used as a container for transport; lock-tab 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

⚠ See page 49

Catalog No.	Nominal Capacity	Dimensions (L X W X H)	Bowl Dimensions (L X W X H)	Handle Length	Quantity / Pack
H36922-1010	60ml (2oz)	20.5 x 4.1 x 2.9cm (8¹⁄₁₆ x 1⅝ x 1⅛")	7.8 x 4.1 x 2.9cm (3¹⁄₁₆ x 1⅝ x 1⅛")	12.7cm (5")	10
H36924-1010	125ml (4oz)	22.1 x 5.1 x 3.3cm (8¹¹⁄₁₆ x 2 x 1⁵⁄₁₆")	9.4 x 5.1 x 3.3cm (3¹¹⁄₁₆ x 2 x 1⁵⁄₁₆")	12.7cm (5")	10

Sterileware® Double Bagged Long Handle Sampling Spoons

- Ten individually packaged spoons sealed in an outer bag to create multiples layers of protection against contaminants and debris
- Long handle reaches into confined areas

⚠ See page 49

Catalog No.	Nominal Capacity	Width	Length	Quantity / Pack
H36940-1010	1.25ml (¼tsp)	2cm (¹³⁄₁₆")	17.8cm (7")	10
H36942-1010	2.46ml (½tsp)	2.5cm (1")	17.8cm (7")	10
H36944-1010	4.93ml (1tsp)	3cm (1³⁄₁₆")	17.8cm (7")	10
H36946-1010	14.79ml (3tsp)	4cm (1⁹⁄₁₆")	17.8cm (7")	10

All Sterileware® Sample Handling Tools Are:

- Made from FDA and EU conforming materials; safe for food, drug and cosmetic use
- Gamma irradiated sterile (SAL 10^{-6})
- Heat sealed in individual polyethylene bags
- Lot stamped for accurate tracing

SP Bel-Art®

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Micro Funnels

When Working with Small Openings

- Perfect for micro work, filling burettes, manometers and small bottles
- Polypropylene
- Steam autoclavable at 121ºC (250ºF)
- Bulk packaging available for large volume requests

Catalog No.	Capacity	Overall Height	Stem I.D.	Stem O.D.	Top I.D.	Top O.D.	Stem Length	Quantity / Pack
F14685-0024	2.6ml (0.09oz)	34.8mm (1⅜")	2.4mm (⅛")	5.4mm (³⁄₁₆")	24mm (¹⁵⁄₁₆")	28.3mm (1⅛")	15.9mm (⅝")	12
F14685-0028	5.2ml (0.17oz)	41mm (1³⁄₁₆")	3.8mm (³⁄₁₆")	6.0mm (¼")	28mm (1⅛")	31.8mm (1¼")	19.1mm (¾")	12
F14685-0035	8.1ml (0.27oz)	50.5mm (2")	5.3mm (³⁄₁₆")	8.0mm (⁵⁄₁₆")	35mm (1⅜")	41.9mm (1⅝")	23.4mm (¹⁵⁄₁₆")	12
F14685-0043	15.7ml (0.53oz)	58mm (2¼")	5.5mm (³⁄₁₆")	8.0mm (⁵⁄₁₆")	43mm (1¹¹⁄₁₆")	47mm (1⅞")	25.4mm (1")	12

Long-Handled Dippers

Easy Sampling from Tanks, Vats, Lakes, and More

- Buoyant and chemical resistant design will not rust or corrode
- Handles are 2.9cm (1⅛″) in diameter and welded to a rigid sampling bowl at a 45° angle for easier sampling from an elevated position
- Hardwood dowel totally encased in the 6 and 12 foot handles adds rigidity and strength

Catalog No.	Bowl Size	Handle Length	Handle Diameter
1 Piece Handle			
F36780-0016	500ml (16oz)	0.91m (3')	2.9cm (1⅛″)
F36780-0032	1000ml (32oz)	0.91m (3')	2.9cm (1⅛″)
F36781-0016	500ml (16oz)	1.8m (6')	2.9cm (1⅛″)
F36781-0032	1000ml (32oz)	1.8m (6')	2.9cm (1⅛″)
F36782-0116	500ml (16oz)	3.7m (12')	2.9cm (1⅛″)
F36782-0132	1000ml (32oz)	3.7m (12')	2.9cm (1⅛″)
2 Piece Handle			
F36782-0016	500ml (16oz)	3.7m (12')	2.9cm (1⅛″)
F36782-0032	1000ml (32oz)	3.7m (12')	2.9cm (1⅛″)

Micro Spoon and Spatula Stainless Steel Weighing Set

Accurate Handling of Minute Quantities

- Two small spoons ends for transferring and collecting dry and liquid material
- Two V-shaped spatula ends of different sizes for lifting or spill-free carrying
- Eight flat spatula ends of various widths and lengths or mixing, scraping and spreading
- Blunt tip tweezers have serrated inside surfaces for secure sample handling

STAINLESS STEEL A

Catalog No.	Description
F36705-0000	7 pc. Micro Tool Set

EcoTensil® Disposable Paper Sampling Spoon

Coated Paper Stands Up to Gels and Semi-Solids

- Compostable and recyclable; low cost way to go green in the laboratory
- Use 50% - 90% less material and space than plastic spoons
- Stores flat; easily folds into a functional spoon for sampling and retrieving materials

Save Space - 416 Spoons

Try Before You Buy
bit.ly/382LLox

Product Video
bit.ly/37WWVuS

MADE IN USA

Catalog No.	Dimensions (L x W)	Approximate Capacity
H36740-1030	12.7 x 3.8cm (5 x 1.5")	10ml

NOTE: EcoTensil® Spoons are not meant for measuring exact quantities of materials.

Magnetic Stirring Bars for Every Application

Applications	General Stirring Applications	High Temperature Stirring	Viscous Solutions High Speed Stirring
Brand/Type	Spinbar® Teflon® PTFE	Spinbar® Pyrex Glass	Spinbar® Rare Earth Samarium Cobalt
Magnetic Type	Alnico	Alnico	Samarium Cobalt
Covering	Teflon® PTFE	Clear Pyrex® Glass	Teflon® PTFE
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
	FDA Grade, USP Class VI Teflon® brand PTFE Coating – Superior Chemical Compatibility	Glass casing has zero absorption and porosity	FDA Grade, USP Class VI Teflon® brand PTFE Coating – Superior Chemical Compatibility
	Color selection for color-coding work processes		Distinct Color - Green color lets you quickly identify Spinbar® Rare Earth Samarium Cobalt

**All Spinbar® and other Teflon® PTFE Coated Magnetic Stirring Bars are
Manufactured in a Registered ISO 9001:2015 Facility, as Verified by SGS Certification**

 Capsule

 Cell

 Circulus™

 Cylindrical

 Elliptical

 Fluted Octagonal – Rare Earth

 Micro (Flea)

 Octagon

 Octagon – Rare Earth

 Plain Spinbar®

 Polygon/Giant Polygon

 Pyrex®

 Round

 Saturn

 Spinfin®

 Spinplus®

 Spinring®

 Spinstar®

 Spinvane®

 Spinwedge®

To view all shapes, colors and sizes of Spinbar® Magnetic Stirring Bars visit sp-belart.com

Spinpak® Octagon Magnetic Stirring Bar Packs

Most Commonly Used Shape with Pivot Ring to Reduce Friction

- Provides greater surface area and added turbulence compared to cylindrical bars
- Alnico magnet encapsulated in FDA Grade, USP Class VI Teflon® brand PTFE Coating – Superior Chemical Compatibility
- Manufactured in a registered ISO 9001:2015 facility, as verified by SGS certification

Catalog No.	Dimensions (L x Dia.)	Quantity / Pack
F37157-0005	½ x 5⁄16" (12.7 x 8mm)	6
F37157-0010	1 x 5⁄16" (25.4 x 8mm)	6
F37157-0015	1½ x 5⁄16" (38 x 8mm)	6
F37157-0020	2 x 5⁄16" (51 x 8mm)	6

Easily Identify Your Stir Bar with the Spinbar® Actual Size Guide

Get yours in the Product Resource Center on sp-belart.com

Print document at 100% and easily determine catalog number of your stir bar

Spinbox® Magnetic Stirring Bar Assortments

Teflon® PTFE Spinbars® with Convenient Storage Box

- FDA Grade, USP Class VI Teflon® PTFE low friction coating – Superior Chemical Compatibility
- Manufactured in a registered ISO 9001:2015 facility, as verified by SGS certification

Catalog No.	Description	Quantity, Dimensions
F37180-0000	Octagon Shaped - 16 Assorted Bars, Standard & Flea Micro	2 Each: 5⁄8 x 5⁄16" (15.9 x 8mm), 1½ x 3⁄8" (38.1 x 9.5mm), 2½ x 3⁄8" (63.5 x 9.5mm), 1 x 3⁄8" (25.4 x 9.5mm), ½ x 5⁄16" (12.7 x 8mm), 0.276 x 0.079" (7 x 2mm), 2 x 3⁄8" (50.8 x 9.5mm), 0.394 x 0.118" (10 x 3mm)
F37182-0000	Octagon Shaped - 12 Assorted Standard Bars with Pivot Ring	2 Each: ½ x 5⁄16" (12.7 x 8mm), 5⁄8 x 5⁄16" (15.9 x 8mm), 1 x 3⁄8" (25.4 x 9.5mm), 1½ x 3⁄8" (38.1 x 9.5mm), 2 x 3⁄8" (50.8 x 9.5mm), 2½ x 3⁄8" (63.5 x 9.5mm)
F37183-0000	Round Shaped - 22 Assorted Bars; Removable Pivot Ring on Bars Longer Than 1"	2 Each: ½ x 3⁄8" (12.7 x 9.5mm), ½ x 5⁄16" (12.7 x 8mm), ¾ x 5⁄16" (19.1 x 8mm), 1 x 5⁄16" (25.4 x 8mm), 1 x 3⁄8" (25.4 x 9.5mm), 1½ x 5⁄16" (38.1 x 8mm), 1¾ x 5⁄16" (44.5 x 8mm), 2 x 3⁄8" (50.8 x 9.5mm), 2 x 5⁄16" (50.8 x 8mm), 1½ x 3⁄8" (38.1 x 9.5mm) 1 Each: 1¼ x 5⁄16" (31.8 x 8mm), 1¾ x 3⁄8" (44.5 x 9.5mm)
F37184-0000	Polygon Shaped - 18 Assorted Bars	2 Each: 3⁄8 x ¼" (10 x 6mm), 5⁄8 x ¼" (15 x 6mm), ¾ x 5⁄16" (20 x 8mm), 1 x 5⁄16" (25 x 8mm), 1 3⁄16 x 5⁄16" (30 x 8mm), 1 5⁄8 x 5⁄16" (40 x 8mm), 2 x 5⁄16" (50 x 8mm), 2 5⁄16 x ¼" (60 x 7mm), 3 1⁄8 x 3⁄8" (80 x 10mm)
F37185-0000	Octagon Shaped - 24 Assorted Bars with Pivot Ring; Blue, Red, Yellow	1 Each: ½ x 1⁄8" (12.7 x 3.2mm), ½ x 5⁄16" (12.7 x 8mm), 5⁄8 x 5⁄16" (15.9 x 8mm), 7⁄8 x 5⁄16" (22.2 x 8mm), 1 x 5⁄16" (25.4 x 8mm), 1½ x 5⁄16" (38.1 x 8mm), 2 x 5⁄16" (50.8 x 8mm), 3 x ½" (76.2 x 12.7 mm)
F37186-0000	Color Coded Micro Flea Bars - 12 Assorted Bars; Blue, Red, Yellow	2 Each: 0.197 x 0.079" (5 x 2mm), 0.276 x 0.079" (7 x 2mm), 0.315 x 0.059" (8 x 1.5mm) , 0.394 x 0.118" (10 x 3mm)
F37187-0000	Egg-Shaped - 13 Assorted Bars	2 Each: ¾ x 3⁄8" (19.1 x 9.5mm), 1 x ½" (25.4 x 12.7mm), 1¼ x 5⁄8" (31.8 x 15.9mm), 1½ x 5/8" (38.1 x 15.9), 1 5⁄8 x ¾" (41.3 x 19mm), 2 x ¾" (50.8 x 19.1mm) 1 Each: 3 x ¾" (76 x 19.1mm)
F37188-0000	Spinplus® Shaped - 5 Assorted Bars	1 Each: 3⁄8 x 3⁄8" (9.5 x 9.5mm), ¾ x ¾" (19.1 x 19.1mm), 1 x 1" (25.4 x 25.4 mm), 1¼ x 1¼" (31.8 x 31.8mm), 1½ x 1½" (38.1 x 38.1)

To view all shapes, colors and sizes of Spinbar® Magnetic Stirring Bars visit sp-belart.com

SP Bel-Art®

1-800-423-5278 | cservice.belart@spindustries.com | sp-belart.com

Spinbar® Magnetic Stirring Bar Restrainer

Hold on to Magnetic Stirring Bars

- Secures stirring bar while decanting liquids from vessel
- Confined stirring bar can be retrieved from container without contaminating the solution after the vessel is drained
- Restrains magnetic stirring bars up to 80mm (3") long
- Unique handle provides ergonomic easy to hold grip

Catalog No.	Quantity / Pack
F37786-1000	1

Spinbar® Magnetic Stirring Bar Retrievers

Easily Recover Stirring Bars from Containers

- 9.5mm (⅜") diameter pick-up rod with powerful Alnico magnet sealed in one end
- Includes loop for hanging

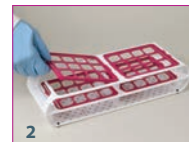| Catalog No.	Description
F37772-0000	30.5cm (12") Long
F37773-0000	45.7cm (18") Long

Switch-Grid™ Test Tube Racks

Our Most Versatile Rack Ever

- Split-frame can hold 2 different size tubes
- 10mm to 30mm diameter test tubes fit in 5 color-coded, easily interchangeable grid inserts
- Save storage; additional grid sizes can be purchased separately

1: Release the spring latch

2: Lift out the grid

3: Insert alternate size grid

Rack frame overall dimensions:
31.8L x 11.1W x 6.7cmH (12½ x 4⅜ x 2⅝")

Product Video
bit.ly/37WWVuS

⚠ See page 49

MADE IN USA

Catalog No.	Description	Holds Tubes	Places	Quantity
F18745-0010	Rack with Orange Grids	10-13mm	84 (14 x 6)	Each
F18745-0011	Rack with Blue Grids	13-16mm	60 (12 x 5)	Each
F18745-0012	Rack with Green Grids	16-20mm	40 (10 x 4)	Each
F18745-0013	Rack with Fuchsia Grids	20-25mm	24 (8 x 3)	Each
F18745-0014	Rack with Yellow Grids	25-30mm	12 (6 x 2)	Each
F18745-1300	Set of 4 Grids, Orange	10-13mm	42 (Per Grid)	Pack of 4
F18745-1600	Set of 4 Grids, Blue	13-16mm	30 (Per Grid)	Pack of 4
F18745-2000	Set of 4 Grids, Green	16-20mm	20 (Per Grid)	Pack of 4
F18745-2500	Set of 4 Grids, Fuchsia	20-25mm	12 (Per Grid)	Pack of 4
F18745-3000	Set of 4 Grids, Yellow	25-30mm	6 (Per Grid)	Pack of 4
F18745-0045	Rack Frame Only	–	–	Each

No-Wire™ Test Tube Grip Racks

Test Tubes 'Hang in There' in Any Position, Even Inverted

- Gripping fingers allow simultaneous decanting of all tubes to save valuable time
- Specially formulized polypropylene allows the rack to submerge in water baths while fingers secure tubes in place to eliminate the risk of spilling and tube floating

Catalog No.	Tube Size	Places	Dimensions (L x W x H)
F18749-0000	10-13mm	90	24.8 x 10.5 x 7cm (9¾ x 4⅛ x 2¾")
F18749-0001	15-16mm	60	24.8 x 10.5 x 7cm (9¾ x 4⅛ x 2¾")
F18749-0002	18-20mm	40	24.8 x 10.5 x 7cm (9¾ x 4⅛ x 2¾")

1-800-423-5278 | cservice.belart@spindustries.com | sp-belart.com

No-Wire™ Test Tube Racks

Submersible, Stackable, Color- Coded, and Autoclavable

- Great alternative to wire racks
- Will sink in a water bath and maintain stability even in agitated water
- Features end plates for labeling; numbered and lettered rows for tube identification
- Dimensions: 24.6 x 10.4 x 6.4cm (9.7 x 4.1 x 2.5"), Top Deck Height: 6.35cm (2.5")
- Ships flat to save on shipping costs and eliminate excess packaging

Catalog No.	Places	Rows	Color
10-13mm Tubes			
F18745-0000	90	6 x 15	White
F18746-0000	90	6 x 15	Red
F18747-0000	90	6 x 15	Blue
13-16mm Tubes			
F18745-0001	60	5 x 12	White
F18746-0001	60	5 x 12	Red
F18747-0001	60	5 x 12	Blue
16-20mm Tubes			
F18745-0002	40	4 x 10	White
F18746-0002	40	4 x 10	Red
F18747-0002	40	4 x 10	Blue
20-25mm Tubes			
F18745-0003	24	3 x 8	White
F18746-0003	24	3 x 8	Red
F18747-0003	24	3 x 8	Blue
25-30mm Tubes			
F18745-0004	21	3 x 7	White
F18746-0004	21	3 x 7	Red
F18747-0004	21	3 x 7	Blue

Poxygrid® Test Tube Racks for 30-40mm Tubes

NEW
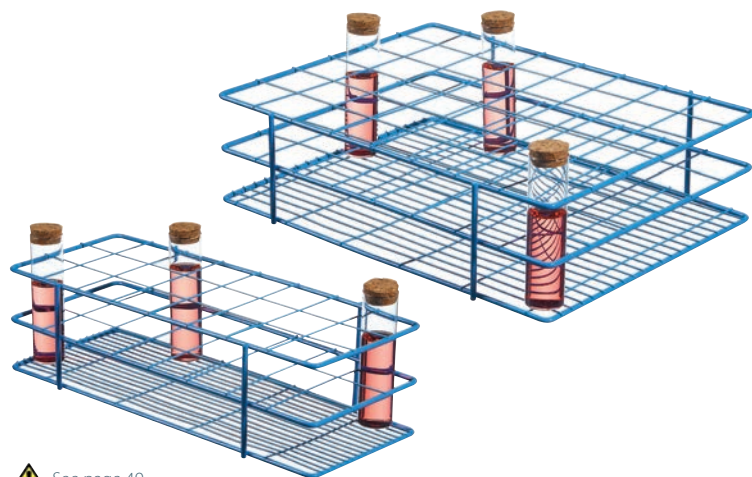
Solutions for Petrochemical Industry

- 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 -223ºC (-369ºF) to 121ºC (250ºF)
- Ideal for use with ASTM D97-08 Standard Test Method for Pour Point of Petroleum Products and ASTM D2500-05 Standard Test Method for Cloud of Petroleum Products

For a wider selection of Poxygrid® Racks visit sp-belart.com

⚠ See page 49

A

Catalog No.	Places	Tube Size	Rows	Top Deck Height	Dimensions (L X W X H)
F18782-0001	24	30-40mm	3 x 8	10.2cm (4")	36.5 x 15.2 x 10.2cm (14⅜ x 6 x 4")
F18784-0001	48	30-40mm	6 x 8	10.2cm (4")	36.5 x 30.4 x 10.2cm (14⅜ x 12 x 4")

PrepSafe™ Microcentrifuge Tube Mini Floating Racks

Vortexing Attachment
F18742-0140

Tabs Keep Tubes Secure and Caps Closed

- Slide tubes under the immobilizing tabs to keep tubes in place and caps closed when under pressure, floating or submerged
- Use in water baths, ice or on the benchtop
- Optional vortexing attachment allows 12 tubes to be vortexed at one time

Product Video
bit.ly/37WWVuS

PP **A** **MADE IN USA**

Catalog No.	Description
F18742-0120	Natural
F18742-0121	Turquoise
F18742-0122	Fuchsia
F18742-0123	Neon Yellow
F18742-0124	Natural with Vortexing Attachment
F18742-0125	Turquoise with Vortexing Attachment
F18742-0126	Fuchsia with Vortexing Attachment
F18742-0127	Neon Yellow with Vortexing Attachment
F18742-0140	Removable Vortexing Attachment

Conical Tube Holder for 15ml and 50ml Tubes

Two Tube Holders in One

- Open uprights allow viewing of entire contents of tube
- Tube can be easily lifted from holder
- Pinching uprights allows carrying the holder with the tube

Catalog No.	Base Diameter	Arms Height	Quantity / Pack
F18796-0000	7.6cm (3")	6.4cm (2.5")	4

PCR Tube Freezer Storage Box, 144 Place

Durable and Moisture Resistant

- Holds individual and/or strip 0.2ml PCR tubes; fit 2" freezer racks (2 boxes high)
- ULT storage at temperatures down to -86°C
- Clear polycarbonate with alpha-numeric index for easy sample tracking

⚠ See page 49

MADE IN USA

Catalog No.	Dimensions (L x W x H)	Quantity/Pack
F18837-0000	13.2 x 13.2 x 2.5cm (5¼ x 5¼ x 1")	5

Polypropylene Freezer Boxes

Hold Up to Demanding Temperatures

- 25-place 5ml conical tube box fits standard 3" ULT freezer racks
- 81-place micro tube / cryo vial box fits standard 2" ULT freezer racks
- Withstands temperatures to -86°C (-187°F)

F18852-0018

Catalog No.	Holds	Dimensions (L x W x H)	Quantity/Pack
F18852-0018	1.5 to 2ml Micro Tubes / Cryo Vials	13.3 x 13.3 x 5.1cm (5.25 x 5.25 x 2.0")	4
F18852-0017	5ml Conical Centrifuge Tubes (13-16mm diam) *Including Eppendorf* Brand*	13.3 x 13.3 x 6.4cm (5.25 x 5.25 x 2.5")	4

F18852-0017

Frigimat® Junior Dry Ice Maker

Produces On-Demand Dry Ice in Flake or Snow Form

- Dry ice flakes are useful for packing around irregularly shaped items
- Brass nozzle screws onto any liquid LCO$_2$ cylinder equipped with a dip tube
- Makes .77kg (1.7lb) of flakes per bag

⚠ See page 49

BRASS

Catalog No.	Description
F38886-0000	Frigimat® Junior Dry Ice Maker (U.S. Model)
F38886-0001	Extra Bags (pack of 3)
F38886-0002	Europe Model
F38886-0003	Japan Model

Cryogenic Storage Labels

Labels that Stand Up to Extreme Cold, Even Liquid Nitrogen

- Organize and label samples for short or long-term cold storage
- Ideal for environments down to -196°C
- Dot and rectangle shaped labels sized for 0.5 to 2.0ml cryogenic tubes
- Available in sheets or rolls; sheets can be fed through a standard ink jet or laser printer utilizing the appropriate template (visit www.belart.com/labeltemp)

Get your free sample at bit.ly/382LLox

Catalog No.	Color	Fits	Label	Size	Includes
Sheets					
F13491-3301	White	1.5-2ml Tubes	Rectangular	33W x 13mmH	20 sheets, 1700 total labels
F13491-6725	White	Racks/Boxes	Rectangular	67W x 25mmH	20 sheets, 600 total labels
F13491-9501	White	0.5-1.5ml Tubes	Round Dot	9.5mm dia.	20 sheets, 3840 total labels
F13491-1301	White	1.5-2ml Tubes	Round Dot	13mm dia.	20 sheets, 3840 total labels
F13491-3302	Assorted	1.5-2ml Tubes	Rectangular	33W x 13mmH	25 sheets, 2125 total labels
Rolls					
F13492-9501	White	0.5-1.5ml Tubes	Round Dot	9.5mm dia.	1 Roll, 1000 total labels
F13492-9502	Assorted	0.5-1.5ml Tubes	Round Dot	9.5mm dia.	1 Roll, 5000 total labels
F13492-1301	White	1.5-2ml Tubes	Round Dot	13mm dia.	1 Roll, 1000 total labels
F13492-1302	Assorted	1.5-2ml Tubes	Round Dot	13mm dia.	1 Roll, 5000 total labels
F13492-3301	White	1.5-2ml Tubes	Rectangular	33W x 13mmH	1 Roll, 1000 total labels

H-B® Bluetooth Thermometer Hygrometer Data Loggers

Remotely Monitor and Record Temperature and Humidity Data

- Records temperature and humidity data remotely for up to 30 days
- 4.0(+) Bluetooth capabilities; free THERMSmart app available for Apple® or Android® devices
- In-app alarm sounds if temperature falls outside of the set parameters
- Data viewable as a table, graph, or calendar; exportable as spreadsheet or PDF
- Graph data from up to 6 data loggers on 1 graph

Product Video
bit.ly/37WWVuS

⚠ See page 49

Catalog No.	Description	Range	Humidity Range	Accuracy
B61506-5100	Thermometer/Hygrometer	-10/50°C (14/122°F)	10/99%	Thermometer: ±1°C (2°F) between 0/40°C (32/104°F); otherwise ±2°C (4°F); Hygrometer: ±5% between 50/80 RH; otherwise ±8%
B60911-0100	Thermometer only	-10/50°C (14/122°F)	N/A	±1°C (2°F) between 0/40°C (32/104°F); otherwise ±2°C (4°F)
B61011-5100	Frio-Temp Verification Thermometer/Hygrometer with Internal and External Sensors	-10/50°C (14/122°F)	10/99%	Thermometer: ±1°C (2°F) between 0/40°C (32/104°F); otherwise ±2°C (4°F); Hygrometer: ±5% between 50/80 RH; otherwise ±8%

Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

H-B® Bluetooth Verification, Probe and Stem Thermometers

Bluetooth Enables Remote Monitoring and Alerts

- Monitor critical environments or experiments without a physical connection
- Thermometers wirelessly transmit data via Bluetooth to the free THERMSmart app (available for iPhone and Android devices)
- In-app alarm sounds to alert user if temperature falls outside of the set parameters
- LCD screen for on-unit monitoring

⚠ See page 49

Catalog No.	Description	Range	Accuracy
B60910-0000	Stainless Steel Stem Thermometer	-50/300°C (-58/572°F)	±1°C (2°F) from 0/40°C (32/104°F); ±2% above 200°C (392°F); otherwise ±2°C (4°F)
B60910-5000	Stainless Steel Probe Thermometer	-50/300°C (-58/572°F)	±1°C (2°F) from 0/40°C (32/104°F); ±2% above 200°C (392°F); otherwise ±2°C (4°F)
B61011-5000	Verification Thermometer with bead filled bottle	-50/300°C (-58/572°F)	±1°C (2°F) from 0/40°C (32/104°F); ±2% above 200°C (392°F); otherwise ±2°C (4°F)

B60910-0000

B61011-5000

Calibrated Electronic Thermometers Configured for Assorted Applications

Select Features Best Suited for Your Equipment or Environment

- Temperature measurement options include folding probes, stainless steel probes, and waterproof sensors
- Features available include 10-event recording, minimum/maximum temperature readings, timers and alarms
- Accredited calibration documentation meets requirements of ISO 17025

B60900-0400   B60900-3000   B60900-3500   B60900-3300

⚠ See page 49   CE

Catalog No.	Range	Calibration Points	Features
Stainless Steel Chemical Resistant Probe			
B60900-0400	-50/200˚C (-58/392˚F)	0, 100˚C	Max/Min, Temperature Hold
B60900-3000	-50/200˚C (-58/392˚F)	0, 100˚C	10-Event Recording with Date/Time Stamp, High/Low Alarm, Max/Min
B60900-3300	-50/300˚C (-58/572˚F)	0, 100˚C	Folding Probe, Stainless Steel Probe, Max/Min, Hold
B60900-3400	-50/300˚C (-58/572˚F)	0, 100˚C	Stainless Steel Probe, Alarm, Timer
B60900-3500	-50/200˚C (-58/392˚F)	0, 100˚C	High/Low Alarm, Max/Min, Data Hold, Temperature Calibration, IP65

H-B® DURAC® Maximum Registering/Autoclave Bi-Metal Thermometer

Register Highest Temperature Without Dangerous Mercury

- Maximum registering pointer indicates highest temperature reached
- ¼" NPT threaded connection screws directly into in-line processes
- Waterproof and pressurized to withstand autoclaving cycles

Specifications:
Range: -20/150°C (0/300°F)
Accuracy: ±2°C (±5°F)
Divisions: 2°C (5°F)
Dial Size: 81mm (3³⁄₁₆")

⚠ See page 49   STAINLESS STEEL   SILICONE RUBBER   A

Catalog No.	Description	Calibration Points
B61315-0000	Traceable to NIST	N/A
B60215-0000	With Individual Calibration Report	121°C

H-B® DURAC® RTD Electronic Thermometers

Highly Accurate Over a Wide Temperature Range

- Maximum/minimum temperature memory or data hold for careful sample monitoring
- Precision PT100 temperature sensor probe on all models conforms to IEC 751 Class A
- B60901-0100 and B60901-0200 log up to 16,000 readings with date and time; B60901-0200 includes operating system software
- B60901-0000 features IP67 Waterproof Housing; can be adapted to PT500 or PT1000 probes

B60901-0100

B60901-0000

⚠ See page 49

CE

Catalog No.	Description	Range	Resolution	Accuracy
B60901-0000	RTD Thermometer with PT100 Probe	-100/300°C (-148/572°F)	0.1°C	0.1% of reading or 0.4°C
B60901-0100	Precision RTD Thermometer Data Logger with One Probe	-100/400°C (-148/752°F)	0.01°C; 0.02°F	0.05% of reading or 0.1°C
B60901-0200	Precision RTD Thermometer Data Logger with One Probe, OS Software and USB Cable	-100/400°C (-148/752°F)	0.01°C; 0.02°F	0.05% of reading or 0.1°C
B60901-0400	Additional Probe for Precision RTD Thermometer			
B60901-0300	AC Adapter for Precision RTD Thermometer			

H-B® DURAC® Plus™ Individually Calibrated ASTM Liquid-In-Glass Thermometers

Conform to ASTM Standards Without Dangerous Mercury

- Conform to ASTM standards for methods specified in order table
- Individually calibrated at specified points; supplied with a Calibration Report stating corrections to one-tenth of the smallest division
- Ideal for use in quality control laboratories

⚠ See page 49

Catalog No.	ASTM No. / ASTM Method	Range	Divisions	Accuracy	Calibration Points
B60780-0000	S62C-03 / Precision	-38/2°C	0.1°C	± 0.1°C	-37, -30, -20, -10, 0°C
B60780-0200	S63C-03 / Precision	-8/32°C	0.1°C	± 0.1°C	-7, 0, 10, 20, 30°C
B60780-0300	S63F-03 / Precision	18/89°F	0.2°F	± 0.2°F	20, 32, 50, 70, 88°F
B60780-0400	S64C-03 / Precision	25/55°C	0.1°C	± 0.1°C	0, 25, 35, 45, 55°C
B60780-0500	S64F-03 / Precision	77/131°F	0.2°F	± 0.2°F	32, 80, 95, 115, 130°F
B60780-0600	S65C-03 / Precision	50/80°C	0.1°C	± 0.1°C	0, 50, 60, 70, 80°C
B60780-0800	S66C-03 / Precision	75/105°C	0.1°C	± 0.1°C	0, 75, 85, 95, 105°C
B60780-0900	S66F-03 / Precision	167/221°F	0.2°F	± 0.2°F	32, 168, 185, 200, 220°F
B60780-1000	S67C-03 / Precision	95/155°C	0.2°C	± 0.2°C	0, 100, 110, 130, 150°C

H-B® Easy-Read® Environmentally Friendly, Liquid-In-Glass Thermometers

Individual Calibration Report as Needed for Many Standard Operating Procedures

- Ideal for use in chemical/petrochemical laboratories, universities, scientific institutions, food and beverage processing, pharmaceutical and medical industries, dairies, breweries and distilleries
- Contains EnviroKleen™ certified, non-toxic, biodegradable, Enviro-Safe® liquid
- Includes an individualized Thermometer Calibration Report stating corrections to one-tenth of the smallest division, unique report number and NIST standards used for the calibration

⚠ See page 49

MADE IN USA

Catalog No.	Range	Divisions	Accuracy	Calibration Points	Length
Partial Immersion: 76mm (3")					
B60202-0000	-10/70°C	0.5°C	± 0.5°C	0, 37, 56°C	300mm (12")
B60202-0100	-20/110°C	1°C	± 1°C	0, 50, 100°C	300mm (12")
B60202-0300	-20/110°C	1°C	± 1°C	0, 37, 56°C	300mm (12")
B60202-0400	-20/150°C	1°C	± 1°C	0, 60, 120°C	300mm (12")
B60202-0500	-20/110°C	1°C	± 1°C	0, 4, 20, 37, 44.5, 103°C	300mm (12")
B60202-1200	0/300°F	2°F	± 1°F; ±2°F below 32°F and above 158°F; ±3°F above 230°F	32, 100, 200, 300°F	300mm (12")
B60202-1300	-10/260°C	1°C	± 1°C; ±1.5°C above 110°C, ±2°C above 200°C	0, 100, 200°C	350mm (14")
B60202-1400	-10/260°C	1°C	± 1°C; ±1.5°C above 110°C, ±2°C above 200°C	0, 37, 56, 100, 230, 250°C	350mm (14")
Total Immersion					
B60202-0800	-20/150°C	1°C	± 1°C	0, 60, 120°C	300mm (12")
B60202-0900	-10/225°C	1°C	± 1°C	1, 100, 200°C	350mm (14")

H-B® Calibration Services
– 5-Day Turnaround –

Visit www.hbcalibration.com

H-B® DURAC® Calibrated Electronic Verification Thermometers Configured for Assorted Applications

Select Features Best Suited for Your Equipment or Environment

- Temperature measurement options include folding probes, stainless steel probes, and waterproof sensors
- Feature organic liquid- or glass bead-filled bottles which accurately mimic sample temperatures
- Accredited calibration documentation meets requirements of ISO 17025

B60210-0300

B60210-2800

⚠ See page 49

CE

Catalog No.	Range	Calibration Points	Features
Calibration Type: Freezer			
B60210-2800	-50/300˚C (-58/572˚F)	-20˚C	Alarm, Timer
B60210-0900	-50/70˚C (-58/158˚F) External; -10/50˚C (14/122˚F) Internal	-20˚C	Max/Min, Alarm
B60210-0500	-50/70˚C (-58/158˚F) External; 0/50˚C (32/122˚F) Internal	-20˚C	Triple Display, Max/Min, Alarms
Calibration Type: Refrigerator			
B60210-2900	-50/300˚C (-58/572˚F)	4˚C	Alarm, Timer
B60210-1000	-50/70˚C (-58/158˚F) External; -10/50˚C (14/122˚F) Internal	4˚C	Max/Min, Alarm
B60210-0600	-50/70˚C (-58/158˚F) External; 0/50˚C (32/122˚F) Internal	4˚C	Triple Display, Max/Min, Alarms
Calibration Type: Freezer and Refrigerator			
B60210-0300	-40/70˚C (-40/158˚F) External; -40/70˚C (-40/158˚F) External	-20˚C 4˚C	Dual Zone and Display, Alarm with Duration Counter
Calibration Type: Incubator			
B60210-3000	-50/300˚C (-58/572˚F)	37˚C	Alarm, Timer
B60210-1100	-50/70˚C (-58/158˚F) External; -10/50˚C (14/122˚F) Internal	37˚C	Max/Min, Alarm
B60210-0400	-40/70˚C (-40/158˚F) External; -40/70˚C (-40/158˚F) External	37˚C 37˚C	Dual Zone and Display, Alarm with Duration Counter
B60210-0700	-50/70˚C (-58/158˚F) External; 0/50˚C (32/122˚F) Internal	37˚C	Triple Display, Max/Min, Alarms
Calibration Type: Ambient			
B60210-0800	-50/70˚C (-58/158˚F) External; 0/50˚C (32/122˚F) Internal	22˚C	Triple Display, Max/Min, Alarms
Calibration Type: General			
B61000-0000	-50/200˚C (-58/392˚F)	0, 100˚C	Max/Min, Temperature Hold
B61000-0200	-50/70˚C (-58/158˚F) External; -10/50˚C (14/122˚F) Internal	0, 50˚C	Max/Min, Alarm
B61000-0300	-40/70˚C (-40/158˚F) External; -40/70˚C (-40/158˚F) External	0, 50˚C	Dual Display, Alarm with Duration Counter
B61000-0400	-50/70˚C (-58/158˚F) External; 0/50˚C (32/122˚F) Internal	0, 50˚C	Triple Display, Max/Min, Alarms
B61000-0600	-40/70˚C (-40/158˚F) External; -40/70˚C (-40/158˚F) External	0, 50˚C	Dual Display, Max/Min, Date Time Stamp, Alarm
B61000-1200	-50/300˚C (-58/572˚F)	0, 100˚C	Alarm, Timer
B61000-5000	-50/200˚C (-58/392˚F)	0, 100˚C	10-Event Recording with Date/Time Stamp, High/Low Alarm, Max/Min

H-B® DURAC® Timers

Convenient for Jotting Down Notes

B61700-3700

All H-B Instrument electronic timers include a Certificate of Calibration and individual serial number and are tested and calibrated in our ISO/IEC 17025:2017, A2LA accredited laboratory (Cert #2448.01), against equipment whose calibration is traceable to NIST.

Perfect for High Noise Locations

• Choice of vibration, sound and/or light alarms

B61700-3600

⚠️ See page 49

Catalog No.	Timer Accuracy	Dimensions (W x H x D)
B61700-3700	± 5 seconds/day	114.3 x 88.9 x 25.4mm (4.9 x 3.5 x 1")
B61700-3600	± 5 seconds/day	56 x 75 x 32mm (2.2 x 3 x 1.3")

H-B® DURAC® Polycarbonate Plain Form Hydrometers

Durable and Shatterproof

• Optical quality polycarbonate is durable and shatterproof; Ideal for use in food & beverage, field work, or any time breakage is possible*
• Easy to read black scale on yellow back to help avoid eye fatigue
• Multi-language (English, French, German, Italian, Portuguese, and Spanish) Statement of Accuracy indicating accuracy traceable to NIST

*Note: Polycarbonate hydrometers are not recommended for use with petroleum-based liquids or other corrosives that would potentially affect the plastic material. They should be stored in a clean, dry, safe place and should not be subjected to extreme temperatures.

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Catalog No.	Range	Divisions	Accuracy
Specific Gravity			
B61800-0000	1.000/1.180	0.002	± 0.002
B61800-0100	0.920/1.080	0.002	± 0.002
B61800-0200	1.050/1.220	0.002	± 0.002
B61800-0300	1.200/1.420	0.002	± 0.002
B61800-0400	1.400/1.620	0.002	± 0.002
Salt Brine			
B61800-0500	0/80%	1%	± 1%
B61800-0600	10/100%	1%	± 1%
B61800-1000	4/26.4%	0.2%	± 0.2%
Baume			
B61800-0700	0/12°	0.2°	± 0.2°
B61800-0800	9/21°	0.2°	± 0.2°
B61800-0900	19/31°	0.2°	± 0.2°
Brix			
B61800-1100	0/35°	0.5°	± 0.5°
B61800-1200	15/50°	0.5°	± 0.5°

⚠️ See page 49

Hydrometer Calibration Services Available. Visit www.hbcalibration.com

Secador® 2.0, 3.0, 4.0 Vertical Auto-Desiccator Cabinets

A UV Light Blocking, Dry Environment with Automatic Electronic Dehumidification

- Automatic dehumidification and desiccant regeneration cycle operates continuously every 20 minutes
- Blocks 99% of UV light and resists staining, crazing and chemical attack
- Amber color models reduce visible light penetration by over 50%; perfect for storing light sensitive materials
- 230V units include power cord/transformer that includes Q-NA, Q-SAA, Q-UK and Q-EU input connectors to accommodate North American, Australian, UK and European configurations

⚠ See page 49

Catalog No.	Model	Color	Internal Volume	Height
100V				
F42072-1100	2.0	Clear	1.2cu. ft.	31.4cm (12.4")
F42073-1100	3.0	Clear	1.6cu. ft.	41.7cm (16.4")
F42074-1100	4.0	Clear	1.9cu. ft.	51.8cm (20.4")
F42074-1106	4.0	Clear, with Blue End-caps	1.9cu. ft.	51.8cm (20.4")
120V				
F42072-1115	2.0	Clear	1.2cu. ft.	31.4cm (12.4")
F42072-1118	2.0	Amber	1.2cu. ft.	31.4cm (12.4")
F42073-1115	3.0	Clear	1.6cu. ft.	41.7cm (16.4")
F42073-1118	3.0	Amber	1.6cu. ft.	41.7cm (16.4")
F42074-1115	4.0	Clear	1.9cu. ft.	51.8cm (20.4")
F42074-1116	4.0	Clear, with Blue End-caps	1.9cu. ft.	51.8cm (20.4")
F42074-1117	4.0	Blue, with Clear Door	1.9cu. ft.	51.8cm (20.4")
F42074-1118	4.0	Amber	1.9cu. ft.	51.8cm (20.4")
230V				
F42072-1220	2.0	Clear	1.2cu. ft.	31.4cm (12.4")
F42072-1228	2.0	Amber	1.2cu. ft.	31.4cm (12.4")
F42073-1220	3.0	Clear	1.6cu. ft.	41.7cm (16.4")
F42073-1228	3.0	Amber	1.6cu. ft.	41.7cm (16.4")
F42074-1220	4.0	Clear	1.9cu. ft.	51.8cm (20.4")
F42074-1226	4.0	Clear, with Blue End-caps	1.9cu. ft.	51.8cm (20.4")
F42074-1227	4.0	Blue, with Clear Door	1.9cu. ft.	51.8cm (20.4")
F42074-1228	4.0	Amber	1.9cu. ft.	51.8cm (20.4")

Secador® Refrigerator Ready Desiccator

Moisture Free Storage in Cold Spaces

- Extra-long depth, pull-out shelves and wide rubber feet; perfect for use inside refrigerators and -20°C freezers
- Top shelf holds up to three (3) Desi Cans™ (F42046-0000) or up to two (2) Desiccant Cartridges (F42048-0100); permits maximum visibility of saturation status
- Locking door latch turns with one hand; door opens from top down for easy access

⚠ See page 49

Catalog No.	Capacity	Exterior Dimensions (W x D x H)
F42011-0000	0.6cu. ft.	25.4 x 38.1 x 21.6cm (10 x 15 x 8½")

Space Saver Vacuum Desiccators

Strong, Shatterproof Design Ideal for the Classroom or Laboratory

- Holds a full vacuum (29.9" Hg) at room temperature for 24 hours
- Accepts tubing with ¼ to ⅜" I.D. to allow controlled entrance of air preventing unnecessary turbulence
- All models include a 0.32cm (⅛") thick perforated plate; disposable or reusable desiccant can be placed on or under this plate

F42010-0000

F42012-0000

⚠ See page 49

Catalog No.	Volume	Flange O.D	Inside Diameter	Plate Diameter	Overall Height	Clearance Above Plate
White Polypropylene Bottom - Can support incandescent crucibles on Minerit HD High Heat Desiccator Plates, available separately						
F42010-0000	0.09cu. ft.	17.1cm (6¾")	14.9cm (5⅞")	14cm No.3	20.6cm (8⅛")	12.1cm (4¾")
F42020-0000	0.20cu. ft.	23cm (9¹⁄₁₆")	19.7cm (7¾")	19cm No.4	26cm (10¼")	15.7cm (6³⁄₁₆")
F42025-0000	0.31cu. ft.	27.3cm (10¾")	24cm (9⁷⁄₁₆")	23cm No.5	31.1cm (12⅛")	19.7cm (7¾")
All-Clear Polycarbonate Bottom - Offers increased viewing visibility from more angles						
F42012-0000	0.09cu. ft.	17.1cm (6¾")	14.9cm (5⅞")	14cm No.3	20.6cm (8⅛")	12.1cm (4¾")
F42022-0000	0.20cu. ft.	23cm (9¹⁄₁₆")	19.7cm (7¾")	19cm No.4	26cm (10¼")	15.7cm (6³⁄₁₆")
F42027-0000	0.31cu. ft.	27.3cm (10¾")	24cm (9⁷⁄₁₆")	23cm No.5	31.1cm (12⅛")	19.7cm (7¾")

Colony Counter System

NEW

All You Need for Precise Colony Counting

- Complete, effective and accurate way to count colonies of bacteria or other microorganisms grown on an agar plate
- Provides equipment for proper lighting, magnification and tracking of colonies
- Includes Hand-Held Colony Counter (F37862-0002), Mini LED Light Box (F37864-3000) and Mini Magnifier (F37865-0000)
  - Hand-Held Colony Counter marks, counts, and gives an audible and visual alert each time a count is registered
  - Mini LED Light Box enhances viewing of transparent and semi-transparent objects
  - Mini Magnifier offers 1.75X magnification

Catalog No.	Holds	Quantity / Pack
F37863-3000	Colony Counter System with Mini LED Light Box and Mini Magnifier	1
F37864-3200	Replacement Counting Grids	3
H37862-0102	Replacement Felt Tip Pen, Black	1
H37862-0152	Replacement Felt Tip Pen, Red	1
H37862-0202	Replacement Colony Counter Battery, 3V	1

Roxy M™ Repeating Pipettor

Repeatable Performance with Personality

- Repetitive pipetting of volumes from 1 to 5000 µl
- Ambidextrous design, one-handed volume selection and dispensing; lightweight (105g)
- Use with SP Bel-Art Roxy M™ sterile or non-sterile tips available in 8 sizes
- Maintenance-free; factory sealed and calibrated; serial number identification and certificate of conformity

**Pipettor tips available individually in 8 sizes with capacities from 0.05ml to 50ml, sterile or non-sterile. Visit sp-belart.com, keyword Roxy for more information

Convenient chart of dispensing volumes

See page 49

Get a free sample of Roxy Tips at bit.ly/382LLox

Catalog No.	Description
F37310-0000*	Roxy M™ Repeating Pipettor
F37300-0100**	5 Each of 7 Sizes; 0.05ml to 25ml Non-Sterile, and 5 Each of 2.5ml and 5.0ml Sterile
F37300-1025	Adapter Set for 25ml Tips, 3 pack - Red
F37300-1050	Adapter Set for 50ml Tips, 3 pack - Grey

*Includes adapter for use with 50ml tips; adapter for use with 25ml tips available separately

Flowmi™ Cell Strainers for 1000 Microliter Pipette Tips

Actual Size

Product Video:
bit.ly/37WWVuS

Preserve Small Volume Samples and Avoid FLOW and FACS* Clogs

- Fast and efficient filtering of small volume samples (up to 1000µl) prior to FLOW or FACS* analysis; decreases potential for clogging
- Preserves sample volume, removes cell aggregates and creates uniform single cell suspensions
- Fits most 1000µl tips including Fisherbrand Sure-One, VWR brand, Axygen, Nichiryo and Eppendorf and more
- Sterile, 40µm or 70µm porosity

Get your free sample at bit.ly/382LLox

Flowmi – Smart. Effective. Innovative.

| Aspirate sample into 1000µl tip | Press FLOWMI onto pipette tip | Strain sample into tube | Eject to dispose of tip and FLOWMI |

FLOWMI™ Delivers Results You Can Count On

Cytograms of CD-Chex™ Plus cells from left to right – Control (non-filtered); Sample filtered using Competitor; and Sample filtered using FLOWMI. Cytograms and "Percent of Parent" data demonstrate no loss of specific cell types using FLOWMI vs. competing filter.
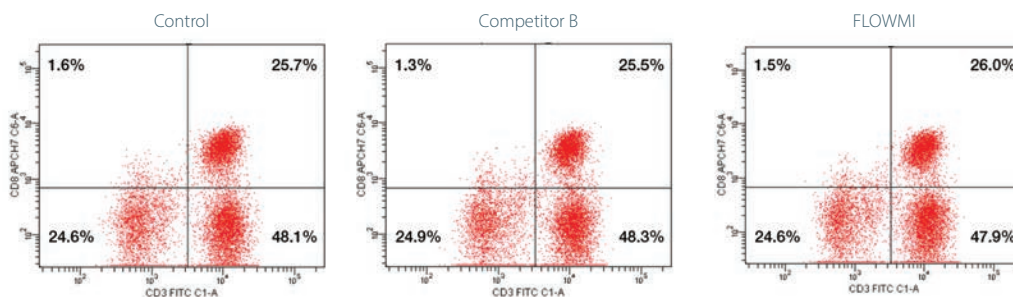
⚠ See page 49

Catalog No.	Porosity	Quantity / Pack
H13680-0040	40 Micron	50
H13680-0070	70 Micron	50

Recommended for use with samples having a maximum concentration of 2 million cells/ml (40µm) or 4 million cells/ml (70µm).

ProCulture® 37°C Warming Plate

Maintain Perfect Cell Temperature Outside Incubator

- Keep dishes outside the incubator longer; 37°C (+/-1°C) plate protects cell viability
- Reduces cell stress and allows enzymes like trypsin to work efficiently
- Fits easily in a cell culture hood or on the workbench

Product Video:
bit.ly/37WWVuS

⚠ See page 49

MADE IN USA

Catalog No.	Voltage
F37015-0000	120V
F37015-1000	220V, CE Marked

ProCulture® Orbital Shaker Platform

Turns Standard Magnetic Stirrer Into Orbital Shaking Platform

- Shake and mix; rotating orbit diameter of 21.7mm ($^7/_8$")
- Shaker adjustment is controlled by setting the magnetic stirrer to the desired speed
- Platform protects the operating mechanism from spills; non-skid surface prevents containers from sliding

Product Video
bit.ly/37WWVuS

Magnetic stirrer not included

⚠ See page 49

Catalog No.	Dimensions (L x W x H)	Weight
F37041-0000	22.5 x 22.5 x 5.3cm (8⅞ x 8⅞ x 2¹⁄₁₆")	1kg (2.2 lb)

ProCulture® Incu-Shaker Tube Holder

Useful Accessory for Benchtop or Floor Model Shaking Incubators

- Positions various sized tubes at an angle to increase liquid surface area and permit greater oxygenation in cell culture without increasing the rotational speed of the shaker
- Securely holds a combination of up to 48 tubes
- Easily attaches to the platform of a shaker with included screws

Catalog No.	Description	Base Diameter	Tube Holder Diameter	Height
F18798-0000	Holds (18) 1.5 or 2ml, (12) 5ml, (12) 15ml, and (6) 50ml Tubes	15.9cm (6¼")	21cm (8¼")	12.7cm (5")

ProCulture® Micro-Tube Homogenizer System

Effectively Homogenize Precipitates, Cells and Tissues

- Hand-held, cordless homogenizer features a simple push in/pull out pestle holder
- Pestles and tubes assure tight tolerances and thorough homogenization resulting in optimal efficiency of pellet reconstitution or re-suspension
- Pestles and tubes are certified DNase, RNase and Pyrogen-free and are made of animal and phthalate/phthalate-ester free polypropylene with lot control and material traceability

Product Video
bit.ly/37WWVuS

Get a free tube and pestle sample at
bit.ly/382LLox

⚠ See page 49

Catalog No.	Description
Homogenizer – Includes Cordless Motor, 2 AA Batteries and Pestle Adapter	
F65100-0000	Cordless Homogenizer Unit
Individually Packed (Pack of 100)	
F65000-0001	0.5ml Pestle
F65000-0005	0.5ml Pestle and Tube
F65000-0002	1.5ml Pestle
F65000-0006	1.5ml Pestle and Tube
Bulk Packed (Pack of 100)	
F65000-9001	0.5ml Pestle
F65000-9002	1.5ml Pestle
F65000-9006	1.5ml Pestle and Tube

Magnetic Bead Separation Racks

Removable Sleeves for More Efficient Liquid Transfer

- Independent tube sleeves on 50ml and 15/5ml models make addition and removal of liquids easier; Patent Pending
- Spring plunger on tube sleeves of 1.5ml to 50ml models allows beads to be sequestered at various heights along the tube wall
- 24 vertical magnets on the 96-well PCR plate model hold the plate securely while attracting beads to tube walls
- Microplate model with flat magnets accepts all standard micro-plates with any number of wells
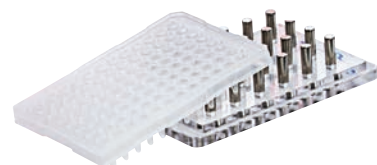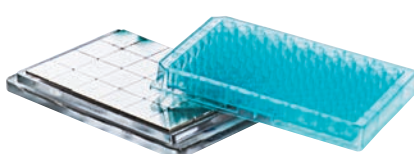
50ml – F19900-0000

15/5ml – F19900-0001

1.5ml – F19900-0002

96-Well – F19900-0003

Microplate – F19900-0004

⚠ See page 49

Catalog No.	Holds
F19900-0000	Three 50ml Tubes
F19900-0001	Six 5 or 15ml Tubes
F19900-0002	Ten 1.5 to 2.0ml Microcentrifuge Tubes
F19900-0003	One 96-well PCR Tube Plate
F19900-0004	One Standard Size Flat Microplate

Vacuum Aspirator Collection Systems with Pump

Self-Contained - No External Vacuum Source Required

- Ideal for vacuum aspiration of a variety of liquids, including tissue culture media, supernatants, and chemical wastes
- Self-contained portable systems with 1.0 gallon bottle, tubing and vacuum pump (Original strength or HiFlow)
- Low noise level (76dbs or less at 1 meter); minimal pump vibration; safety release vent to prevent vacuum implosion
- HiFlow model works with up to 8-channel pipette tips, even with 4 channels empty and includes quick disconnects to bottle

F19917-0250

F19917-0150

⚠ See page 49

* HiFlow model is CE marked and CSA certified

PVC   PP   MADE IN USA

Catalog No.	Description
F19917-0150	Original Pump System, 23.2 x 17.1 x 43.8cm (9⅛ x 6¾ x 17¼"H)
F19917-0250	HiFlow Pump System, 23.2 x 17.1 x 43.8cm (9⅛ x 6¾ x 17¼"H)

Effective Workflow Solutions
for Mammalian & Bacterial Cell Culture
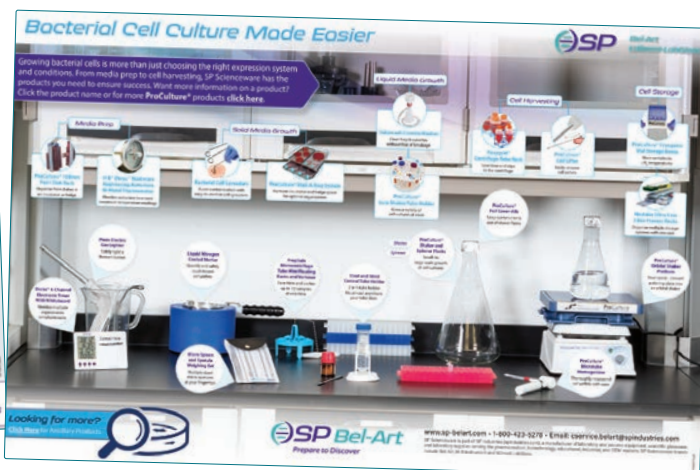
To view all workflow solutions, visit the Product Resource Center at sp-belart.com

Aquet® Detergent for Glassware and Plastics

Safe for Glassware, Plastics and Surfaces

- Phosphate-free, nonionic surfactant will not etch or mar precision glassware
- Convenient, pre-portioned pouches make one gallon of 1% solution
- Not for use in automatic dishwashers

Catalog No.	Size	Quantity / Pack
F17094-0020	20ml pouch makes one gallon	20
F17094-0030	1gal with 473ml (16oz) dispenser bottle	1
F17094-0050	20L Cubitainer™	1

Acetal Jaw Style Tubing Clamps

Attach at Any Point Without Disconnecting Tubing

- Operate with one hand; locks closed and opens when the locking tab is released
- Fits tubing up to 1.3cm (½") O.D.; wall thickness of 0.82mm (1⁄32") or thinner
- Circular opening (approximately 0.6cm (¼") diameter) at hinge end allows clamp to remain attached to tubing having 0.6 - 1.0cm (¼ - 3⁄8") OD with little to no restriction in flow when not in use

Catalog No.	Fits Tubing Size	Overall Length	Quantity / Pack
F18218-0000	Up to 0.82mm (1⁄32") Wall Thickness	5.9cm (2⁵⁄16")	12

Vibrasorb® Premium Vibration Damping Mounts
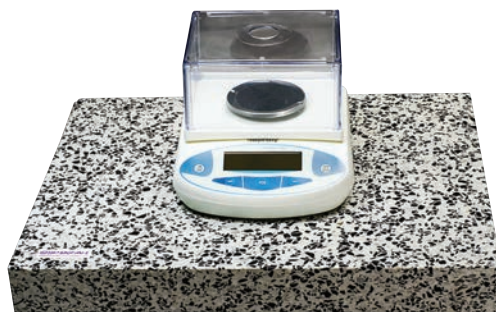
Chemical and Scratch Resistant Polished Surface

- Helps protect electromechanical and optical equipment from excessive wear and structural damage that can be caused by exposure to vibration
- Larger size will absorb vibrations down to 13Hz with a 16kg (35lb) load; smaller size will absorb vibrations down to 16Hz. with a 16kg (35lb) load
- With lighter loads, the minimum frequency of damping for both sizes will increase to a value between 16Hz and 25Hz

Catalog No.	Dimensions
H18386-0000	45 x 56 x 7.6cm (18 x 22 x 3")
H18386-0001	35 x 35 x 7.6cm (13¾ x 13¾ x 3")

Write-On™ Label Tape

Great for Use in Low Temperature Applications

- Use with pencil, ball-point pen or solvent ink marker
- Resists moisture and most solvents; peels off without leaving a sticky residue
- Maximum temperature of 157ºC (315ºF) for 30 minutes or 80ºC (176ºF) for 24 hours; can be used down to -80ºC (-112ºF)
- Withstands steam autoclaving cycle at 121ºC (250ºF) and gamma irradiation between 13.0 and 45.0kGy

See our tape dispensers at sp-belart.com

MADE IN USA

Catalog No.	W x L	Color	Catalog No.	W x L	Color
F13480-0050	½" x 15yds, 1" core	White	F13482-0050	½" x 15yds, 1" core	Green
F13480-0075	¾" x 15yds, 1" core	White	F13482-0075	¾" x 15yds, 1" core	Green
F13480-0100	1" x 15yds, 1" core	White	F13482-0100	1" x 15yds, 1" core	Green
F13483-0050	½" x 40yds, 3" core	White	F13486-0050	½" x 40yds, 3" core	Green
F13483-0075	¾" x 40yds, 3" core	White	F13486-0075	¾" x 40yds, 3" core	Green
F13483-0100	1" x 40yds, 3" core	White	F13486-0100	1" x 40yds, 3" core	Green
F13490-0050	½" x 60yds, 3" core	White	F13484-0050	½" x 40yds, 3" core	Red
F13490-0075	¾" x 60yds, 3" core	White	F13484-0075	¾" x 40yds, 3" core	Red
F13490-0100	1" x 60yds, 3" core	White	F13484-0100	1" x 40yds, 3" core	Red
F13481-0050	½" x 15yds, 1" core	Yellow	F13487-0050	½" x 40yds, 3" core	Blue
F13481-0075	¾" x 15yds, 1" core	Yellow	F13487-0075	¾" x 40yds, 3" core	Blue
F13481-0100	1" x 15yds, 1" core	Yellow	F13487-0100	1" x 40yds, 3" core	Blue
F13485-0050	½" x 40yds, 3" core	Yellow	F13488-0050	½" x 40yds, 3" core	Orange
F13485-0075	¾" x 40yds, 3" core	Yellow	F13488-0075	¾" x 40yds, 3" core	Orange
F13485-0100	1" x 40yds, 3" core	Yellow	F13488-0100	1" x 40yds, 3" core	Orange

XR Airjet Sample Coolers

Variable Temperature Control of NMR Samples

- Temperature control from -90 to +100 °C
- Non-magnetic delivery lines are ideal for NMR applications
- Low-loss adapters available for most Bruker® and Phoenix® probes

Catalog No.	Max. Low Temp.	Temp. Control Range	Temp. Control Stability	Flow Rate Range	Electrical
XR402	-40° C	-40 to 100° C	± 0.5 °C	0.25 to 2 scfm (7 to 56 lpm)	120V/60Hz or 220V/50Hz
XR902	-90° C	-90 to 100° C	± 0.5 °C	0.25 to 2 scfm (7 to 56 lpm)	120V/60Hz or 220V/50Hz

Reduce Your Costs with an SP Equipment Service Agreement

To keep all of your equipment performing at its best; you need an experienced partner with a global reach. Trust SP Service to be there to help you, from the first steps in your lab's process to the end product, day after day and year after year. Contact us to discuss our other SP Service capabilities to learn more about how SP is uniquely positioned to help you **Make More Time for Science.**

SP Service

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5mm OD Thin Walled Precision NMR Tubes

- Inner surface resistant to strong acid and base at ambient temperature
- Can be operated safely at temperatures up to 230°C, and within a temperature step of 120°C
- Ideal for experiments requiring critical shimming quality (high/ultrahigh field, non-spinning, multi-dimensional, multi-nuclei, DNP experiments and studies involving biological samples)

Catalog No.	MHz Rating	Length	O.D.	I.D.	Concentricity	Camber
542-PP-7	1000	7"	4.9635 ± 0.0065mm	4.2065 ± 0.0065mm	2.5µm	3.8µm
541-PP-7	800	7"	4.9635 ± 0.0065mm	4.2065 ± 0.0065mm	3.8µm	3.8µm
535-PP-7	600	7"	4.9635 ± 0.0065mm	4.2065 ± 0.0065mm	13µm	6µm
528-PP-7	500	7"	4.9635 ± 0.0065mm	4.2065 ± 0.0065mm	25µm	13µm
527-PP-7	400	7"	4.9635 ± 0.0065mm	4.2065 ± 0.0065mm	25µm	25µm
526-PP-7	350	7"	4.9635 ± 0.0065mm	4.2065 ± 0.0065mm	51µm	13µm
507-PP-7	300	7"	4.9635 ± 0.0065mm	4.2065 ± 0.0065mm	51µm	25µm
506-PP-7	200	7"	4.9635 ± 0.0065mm	4.2065 ± 0.0065mm	51µm	51µm
505-PS-7	100	7"	4.9635 ± 0.0065mm	4.21± 0.13mm	76µm	51µm

5mm OD Thin Walled High Throughput NMR Tubes

- Average camber of 60 microns to guarantee the clarity of the spectrum for small molecule (MW<250) samples up to 600 MHz
- Designed for routine use in most low to mid field NMR spectrometers
- Guaranteed to fit tightly in spinner turbine

Catalog No.	Length	O.D.	Wall Thickness	Quantity / Pack
WG-1000-7-50	7"	4.947 ± 0.019mm	0.43mm	50
WG-1000-7	7"	4.947 ± 0.019mm	0.43mm	100
WG-1000-7-SJ*	7"	4.947 ± 0.019mm	0.43mm	100
WG-1000-8-50	8"	4.947 ± 0.019mm	0.43mm	50
WG-1000-8	8"	4.947 ± 0.019mm	0.43mm	100

*Comes with Bruker® Sample Jet caps

5mm OD Large Writing Area High Throughput NMR Tubes

NEW

- 2x larger marking area eliminates cramped and unreadable sample names
- Silkscreened writing area keeps sample names from easily wiping off
- Designed for routine use in most low to mid field NMR spectrometers

Catalog No.	Length	O.D.	Wall Thickness	Quantity / Pack
WG-1003-7-25	7"	4.947 ± 0.019mm	0.43mm	25
WG-1003-7-50	7"	4.947 ± 0.019mm	0.43mm	50
WG-1003-7	7"	4.947 ± 0.019mm	0.43mm	100

Benchtop Spectrometer NMR Tubes

- Ideal for use with 43, 60, and 80MHz manual sample loading benchtop NMR spectrometers
- Tested in most popular benchtop spectrometers to assure performances
- Attractively priced for a high-throughput laboratory environment

Catalog No.	Length	O.D.	Wall Thickness	Quantity / Pack
WG-BTNMR-7-25	7"	5mm	0.43mm	25
WG-BTNMR-7	7"	5mm	0.43mm	150
WG-BTNMR-8-25	8"	5mm	0.43mm	25
WG-BTNMR-8	8"	5mm	0.43mm	150

NMR Tube Rack

- Lightweight polypropylene rack maximizes benchtop storage capacity and is virtually inert

Catalog No.	Maximum O.D.	Capacity
820-A	5mm	72 Tubes

NMR Spinner Turbines for Bruker® Spectrometers in Assorted Colors *NEW*

- Manufactured to precision standards that meet or exceed those of the spectrometer manufacturer
- Assorted colors ideal for sample identification in multi-user facilities
- Susceptibility matched to Bruker® originals
- Ambient temperature turbines allow for ±25 °C variable

Catalog No.	Color	Temperature Range	Fits Tube Size
STB-5	White	-20° to 60°C	5mm
STB-5-BLK	Black	-20° to 60°C	5mm
STB-5-BLU	Blue	-20° to 60°C	5mm
STB-5-GRN	Green	-20° to 60°C	5mm
STB-5-RED	Red	-20° to 60°C	5mm
STB-5-YLW	Yellow	-20° to 60°C	5mm

Contact SP Wilmad-LabGlass to order: 1-800-220-5171 or cs@wilmad-labglass.com

Rotor and Cap for Bruker® MAS-NMR

- MAS rotors are 100% compatible with most solid state NMR spectrometers
- Some caps are fitted with O-Rings for improved sealing
- Thoroughly inspected to ensure no material irregularities

Catalog No.	Description	Material	Temperature Range
3.5mm Rotors and Caps			
WP-501-3180-SET1	1 Rotor, 2 Vespel® Caps and Bottoms	Various	-30 to 70°C
WP-501-3180	Rotor Body, Both Ends Open	Zirconia	-150 to 650°C
WP-602-3181	Rotor Cap	Vespel®	-30 to 70°C
WP-602-3182	Bottom Plug	Vespel®	-30 to 70°C
WP-603-3181	Rotor Cap	Kel-F®	-20 to 70°C
WP-603-3182	Bottom Plug	Kel-F®	-20 to 70°C
4mm Rotors and Caps			
WP-501-4180-SET-1	1 Rotor, 2 Kel-F® Caps, 1 Torlon® Cap	Various	-100 to 200°C
WP-501-4180-SET-2	2 Rotor, 4 Kel-F® Caps, 1 Torlon® Cap	Various	-100 to 200°C
WP-501-4180-SET-5	5 Rotor, 10 Kel-F® Caps, 3 Torlon® Cap	Various	-100 to 200°C
WP-601-4181	Cap	Kel-F®	Ambient
JK-601-4181	Cap with O-Ring	Kel-F®	-20 to 70°C
JK-602-4181	Cap with O-Ring	Macor®	-100 to 200°C
JK-603-4181	Cap with O-Ring	Torlon®	-100 to 200°C
JK-604-4181	Cap with O-Ring	Vespel®	-100 to 200°C
WP-501-4180	Rotor Body	Zirconia	-150 to 650°C
WP-501-4181	Rotor Body w/ Laser Marked Serial Number, Tachometer Mark on Base	Zirconia	-150 to 650°C

Heli-Pak Column Packing

Easily Remove and Clean

- Low H.E.T.P. for random packing
- Maximum effectiveness requires no laborious or critical filling techniques
- Economical to use on a per plate and per distillation basis

Catalog No.	Material	Dimensions (L x W x H)	For Use With	Quantity / Pack
PD-3008	316 Stainless Steel	2.3 x 4.4 x 4.4mm	25mm I.D. Columns	1 lbs.
PD-3012	316 Stainless Steel	0.9 x 1.8 x 1.8mm	5-15mm I.D. Columns	1 lbs.
PD-3013	316 Stainless Steel	1.3 x 2.5 x 2.5mm	10-30mm I.D. Columns	1 lbs.

Distilling Column/Condenser

- Indentations help support random packing materials
- Drip tip joint at bottom

LG-5794-104

LG-5794-106

Catalog No.	Column Length	Joint
LG-5794-100	100mm	ST 14/20
LG-5794-102	200mm	ST 14/20
LG-5794-104	100mm	ST 19/22
LG-5794-106	200mm	ST 19/22
LG-5794-108	200mm	ST 24/40

Raschig Rings Column Packing

- Provides large surface area for interaction between liquid and gas vapors
- Ideal for use with nuclear materials

Catalog No.	Material	O.D. x Length	Quantity / Pack
LG-6740-100	Borosilicate Glass	6 x 6mm	1 lbs.
LG-6740-102	Borosilicate Glass	7 x 7mm	1 lbs.
LG-6740-104	Borosilicate Glass	8 x 8mm	1 lbs.
LG-6740-106	Borosilicate Glass	12 x 12mm	1 lbs.

TLC Developing Chromatography Tanks

- Complete with standard ground glass stopper
- Used with small to large TLC plates
- Manufactured from borosilicate glass

Catalog No.	Size	Joint
LG-4595-096	25 x 75mm	ST 34/12
LG-4595-098	25 x 100mm	ST 34/12
LG-4595-100	50 x 100mm	ST 60/21
LG-4595-102	50 x 200mm	ST 60/21

FILTERWARE® Complete Filter Funnel Apparatus

- Filtration system consist of glass funnel, fritted glass support base, aluminum clamp, and silicone stopper
- For use with filter flasks

Catalog No.	Capacity	Stopper Size	Filter Size
BP-1755-000	300ml	No. 8	47mm
BP-1755-090	1000ml	No. 8	90mm

Precision Bore Class A Burettes with PTFE Stopcock

- Has straight 2mm PTFE stopcock
- Calibration in compliance with ASTM E 694
- Manufactured from borosilicate glass

Catalog No.	Capacity	Subdivisions	Tolerance
LG-3956T-100	10ml	1/20ml	0.02ml
LG-3956T-102	25ml	1/10ml	0.03ml
LG-3956T-104	50ml	1/10ml	0.05ml
LG-3956T-106	100ml	1/5ml	0.10ml

Fat Extraction Flasks

- Ideal for the measurement of fat content in dairy and other food products
- Tooled to accept rubber stoppers (not included)
- Manufactured from borosilicate glass

Catalog No.	Capacity	O.D.
LG-6912-100	110ml	35mm
LG-6912-102	260ml	48mm

Laboratory Glassware Washers

Engineered for Durable, Reliable and Energy Efficient Operation

- All models come with top and bottom stainless steel open racks to accommodate a variety of glassware
- Spindle Rack Ready models can accommodate direct injection spindle racks (sold separately) for narrow-neck glassware
- Wide variety of baskets and accessories available

Catalog No.	Description*	Dimensions (W x D x H)	Electrical
UCW-HA00001	Undercounter Standard Washer	610 x 580 x 875-924mm (24.0 x 22.8 x 34.4-36.4")	115V, 60Hz, 15A
UCW-HA10001**	Undercounter With DI Rinse	610 x 580 x 875-924mm (24.0 x 22.8 x 34.4-36.4")	115V, 60Hz, 15A
UCW-HA20001**	Undercounter With DI Rinse & Spindle Rack Ready	610 x 580 x 875-924mm (24.0 x 22.8 x 34.4-36.4")	115V, 60Hz, 15A
UCW-HA00101	Freestanding/Mobile Standard Washer	610 x 616 x 978mm (24.0 x 24.25 x 38.5")	115V, 60Hz, 15A
UCW-HA10101**	Freestanding/Mobile With DI Rinse	610 x 616 x 978mm (24.0 x 24.25 x 38.5")	115V, 60Hz, 15A
UCW-HA20101**	Freestanding/Mobile With DI Rinse & Spindle Rack Ready	610 x 616 x 978mm (24.0 x 24.25 x 38.5")	115V, 60Hz, 15A
VSW-HA00001	Vertical Stack Standard Washer	670 x 592 x 1994mm (26.4 x 23.3 x 78.5")	115V, 60Hz, 15A
VSW-HA11001	Vertical Stack Washer with Top & Bottom DI rinse	670 x 592 x 1994mm (26.4 x 23.3 x 78.5")	115V, 60Hz, 15A
VSW-HA22001**	Vertical Stack Washers with Top & Bottom DI rinse & Spindle Rack Ready	670 x 592 x 1994mm (26.4 x 23.3 x 78.5")	115V, 60Hz, 15A
VSW-HA12001**	Vertical Stack Washers with Top DI rinse only, Bottom DI rinse & Spindle Rack Ready	670 x 592 x 1994mm (26.4 x 23.3 x 78.5")	115V, 60Hz, 15A

*Washers also available in 230 V/50 Hz configuration
**If your incoming DI water pressure is less than 80 psi a DI booster pump (catalog no. 446508, sold separately) must be utilized

1-800-523-2327 | hello@scientificproducts.com | sp-scientificproducts.com

miVac DNA Sample Concentrators

- Specifically designed for working with nucleic acids – RNA and DNA, capable of removing water and simple organic solvents, up to 100^0C from small amounts of samples in a variety of formats

- Supplied complete with a built-in high performance pump, concentration chamber and fixed angle aluminum rotor to hold 48 - 1.5/2.0 microcentrifuge tubes

- A wide range of interchangeable optional rotors are also available

Catalog No.	DNA-12060-C00
Includes	Concentrator; Vacuum Pump; Rotor: Controls (Housed in One Unit)
Max. G-Force	250
Dimensions (W x D x H)	360 x 597 x 300mm (14.2 x 23.5 x 11.8")
Weight	75lbs (34kg)

sp-scientificproducts.com/genevac

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