

# FUNNELS AND FILTERS



## 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 ¼" 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 52°C (125°F).

### B. Perforated Filter Plates

Available with a FIXED or REMOVABLE perforated filter plate made of 4.8mm (⅜") thick high density polyethylene (HDPE) with 4.8mm (⅜") perforations on 11mm (⅞") 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 52°C (125°F).

Large diameter 24" and 36" sizes (next page) are crated for shipment.



## Buchner Table-Top Funnel

### 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)

## 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)

All 24" funnels are crated for shipment.

## 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)

All 36" funnels are crated for shipment.

## 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

# FUNNELS AND FILTERS

## 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 52°C (125°F). Use with Vac-Ring Filter Seal (H38959-0000) for quick filter setup.



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 121°C (250°F). Use with Vac-Ring Filter Seal (H38959-0000) for quick filter setup. **Per each, except F14600-0043\* which is 6 per bag.**



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

## 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 121°C (250°F).



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*

# FUNNELS AND FILTERS



## 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 177°C (350°F).



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 121°C (250°F). **Per bag.**



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

## 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 121°C (250°F).  
Per bag.



CATALOG NO.	CAPACITY	STEM I.D.	STEM O.D.	STEM LENGTH
F14694-0000	30ml (1oz)	7.9mm ( $\frac{3}{16}$ "	14.3mm ( $\frac{1}{2}$ "	38.1mm (1 $\frac{1}{2}$ "
F14695-0000	90ml (3oz)	6.4mm ( $\frac{1}{4}$ "	11.1mm ( $\frac{7}{16}$ "	69.9mm (2 $\frac{3}{4}$ "
F14696-0000	180ml (6oz)	12.7mm ( $\frac{1}{2}$ "	19.1mm ( $\frac{3}{4}$ "	44.5mm (1 $\frac{3}{4}$ "
F14697-0000	480ml (16oz)	11.1mm ( $\frac{7}{16}$ "	19.1mm ( $\frac{3}{4}$ "	79.7mm (3 $\frac{1}{8}$ "
F14698-0000	720ml (27oz)	19.1mm ( $\frac{3}{4}$ "	25.4mm (1")	69.9mm (2 $\frac{3}{4}$ "
H14699-0000	3845ml (128oz)	22.2mm ( $\frac{7}{8}$ "	34.9mm (1 $\frac{1}{2}$ "	139.7mm (5 $\frac{1}{2}$ "

*Chart Continues Below*

CATALOG NO.	TOTAL LENGTH	DIAM.	CASE	BAG
F14694-0000	66.7mm (2 $\frac{5}{8}$ "	54mm (2 $\frac{1}{4}$ "	12 Bags	6
F14695-0000	127.0mm (5")	76.2mm (3")	12 Bags	6
F14696-0000	104.8mm (4 $\frac{1}{8}$ "	101.6mm (4")	12 Bags	6
F14697-0000	177.8mm (7")	152.4mm (6")	8 Bags	3
F14698-0000	187.3mm (7 $\frac{3}{8}$ "	184.2mm (7 $\frac{1}{4}$ "	8 Bags	3
H14699-0000	342.9mm (13 $\frac{1}{2}$ "	266.7mm (10 $\frac{1}{2}$ "	6 Each	Each

# FUNNELS AND FILTERS



## 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 121°C (250°F). 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 Funnel

*Specially Designed for Transferring Powders*

Polypropylene funnels with 60° angle. Large bore stem minimizes bridging of powder. Steam autoclavable at 121°C (250°F). **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 Funnel with Tapered Stem

Polypropylene funnels with standard taper stems. Steam autoclavable at 121°C (250°F). **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 \$

## 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 (4 $\frac{1}{8}$ ") top I.D. **Per each, 6 per case.**



CATALOG NO.	CAPACITY	TOP I.D.	STEM I.D.	STEM LENGTH
H14684-0000	510ml (17.2oz)	124mm (4 $\frac{1}{8}$ ")	38mm (1 $\frac{1}{2}$ ")	38mm (1 $\frac{1}{2}$ ")



## Utility Type Funnels

*For a Variety of Lab Applications*

Externally ribbed, polypropylene funnels are steam autoclavable at 121°C (250°F). **12 per bag.**



CATALOG NO.	CAPACITY	TOP DIAMETER
H14781-0000	60ml (2.0oz)	63.5mm (2 $\frac{1}{2}$ ")
H14782-0000	120ml (4.0oz)	82.6mm (3 $\frac{1}{4}$ ")

## Micro Funnels

*When Working with Small Openings*

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



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

# FUNNELS AND FILTERS



## 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 (7/8") 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.



**CATALOG NO.**

H14820-0000

## Funnel Holder

*Supports Several Funnel Sizes*

Non-corrosive polypropylene funnel holder and clamp includes two bushings for 12.7mm (1/2") or 9.5mm (3/8") 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.**



**CATALOG NO.**

F18242-0000

**DESCRIPTION**

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 (3/8") O.D.



**CATALOG NO.**

H14810-0000

**NOMINAL CAPACITY**

100ml

**CASE**

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 (3 $\frac{3}{8}$ " 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 19 $\frac{1}{4}$  x 20") high. Four feet extend from the base for stability and have holes for permanent mounting.



Insert Clip

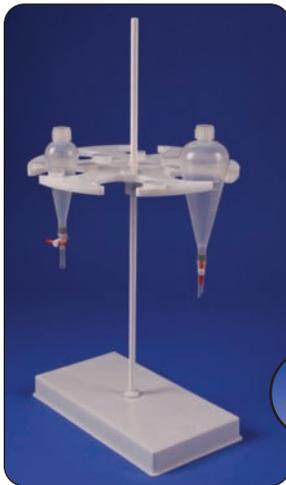


CATALOG NO.	DESCRIPTION
H18967-0000	Imhoff Cone and Separatory Funnel Rack
H18967-0002	12 Replacement Insert Clips

## Rotary Separatory Funnel Rack

*Fully Adjustable Support Disc*

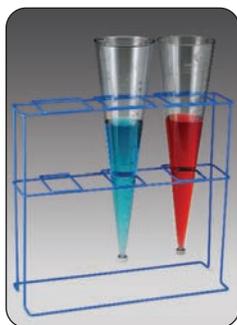
This rack consists of a rectangular base, screw-in column and a support disc held in place by a screw clamp. The support disc is fully adjustable up to 21". Support holes for funnels are open front type for easy removal and placement of separatory funnels. Included are 18 insert clips used to accommodate 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 13 $\frac{3}{4}$ ")
H18967-0002		12 Replacement Insert Clips	

# FUNNELS AND FILTERS



## 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 121°C (250°F). **10 per bag.**



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



## 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.



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 121°C (250°F). Dimensions are 27mm (1<sup>1</sup>/<sub>16</sub>" ) I.D. top with a 41mm (1<sup>3</sup>/<sub>16</sub>" ) O.D. flare. The 6.4mm (1/4" ) stem is 254mm (10" ) long. **12 per bag, 6 bags per case.**



CATALOG NO.  
F14751-0000