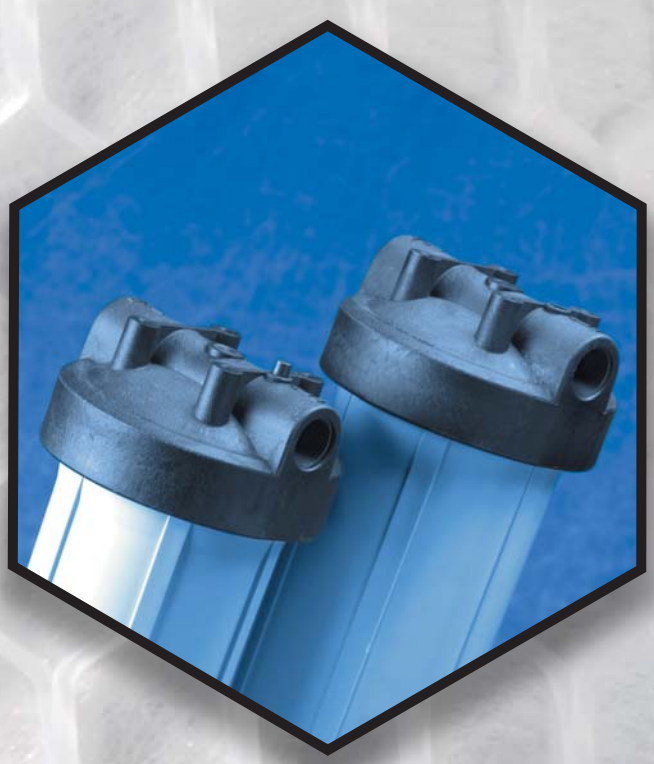
FILTER HOUSINGS

A broad range of superior filter housings from the leader in water filtration.



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PENTEK FILTRATION

Pure Quality.™

THIRD GENERATION STANDARD FILTER HOUSINGS

NSF COMPONENT

The 3G Standard Caps and Sumps are Tested and Certified by NSF International.

* Meter sold separately.

- *Integral bracket (IB) versions available.*
- *Available in 10" and 20", clear and opaque sumps.*
- *Buttress threads and uniform walls for easier cartridge change and improved strength.*
- *Accepts proprietary Seal-Safe™ double o-ring sealing cartridges as well as standard DOE cartridges.*
- *Caps available with differential pressure meter option (IB MM cap).*
- *Improved pressure-relief/bleed button option available.*
- *Leak-proof sealing with top-seated floating Buna-N o-ring.*
- *Clear housings offer on-site examination of cartridge.*

This patent pending Third Generation (3G) design features integral brackets, 20" clear housings, and caps for differential pressure gauges. The patented 3G housing accepts standard double open end (DOE) and our Seal-Safe™ o-ring sealing cartridges. The new Seal-Safe™ o-ring design offers enhanced cartridge sealing for critical cartridge applications.

3G Standard Filter Housings are manufactured from a durable polypropylene or clear Styrene-Acrylonitrile (SAN) for excellent chemical compatibility. All are equipped with 3/4" NPT inlet and outlet ports.

Housing Specifications and Performance Data

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
#10 3G STD Blue or Clear MB	12¾" x 5⅜" (324 mm x 137 mm)	1 psi @ 10 gpm (0.07 bar @ 38 L/min)
#10 3G STD Blue or Clear IB/MM*	13¼" x 5¾" (337 mm x 146 mm)	1 psi @ 10 gpm (0.07 bar @ 38 L/min)
#20 3G STD Blue or Clear MB	23" x 5⅜" (584 mm x 137 mm)	1 psi @ 10 gpm (0.07 bar @ 38 L/min)
#20 3G STD Blue or Clear IB/MM*	23½" x 5¾" (597 mm x 146 mm)	1 psi @ 10 gpm (0.07 bar @ 38 L/min)

* Height does not include meter. Add 1¾" for 143549 meter and 1/2" for 143550 meter.

Materials of Construction

- *Housing:* Polypropylene (Blue) or Styrene Acrylonitrile (Clear)
- *Cap:* Reinforced Polypropylene
- *Button Assembly:* 300-series Stainless Steel, polypropylene and EPDM
- *O-Ring:* Buna-N
- *Maximum Temperature:* 125˚F (51.7˚C)
- *Maximum Pressure:* 125 psi (8.62 bar)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

THIRD GENERATION SLIM LINE® FILTER HOUSINGS

NSF COMPONENT

The 3G Slim Line® Caps and Sumps are Tested and Certified by NSF International.

- *Choice of 1/4", 3/8", 1/2"NPT or John Guest Super Speedfit® Inlet/Outlet*
- *Integral bracket (IB) versions available.*
- *Available in clear and opaque.*
- *Buttress threads and uniform walls for easier cartridge change and improved strength.*
- *Caps available with differential pressure meter option (IB MM cap).*
- *Improved pressure-relief/bleed button option available.*
- *Leak-proof sealing with top-seated floating Buna-N o-ring.*
- *Clear housings offer on-site examination of cartridge.*

This patent pending Third Generation (3G)design features integral brackets, John Guest Super Speedfit® quick connect fittings and caps for differential pressure gauges. The patented 3G housing accepts standard double open end (DOE).

3G Standard Filter Housings are manufactured from a durable polypropylene or clear Styrene-Acrylonitrile (SAN) for excellent chemical compatibility.

Housing Specifications and Performance Data

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
#10 3G SL Opaque or Clear 1/4" NPT MB	12½" x 4⅝" (318 mm x 118 mm)	2 psi @ 3 gpm (0.14 bar @ 11 L/min)
#10 3G SL Opaque or Clear 3/8" NPT IB	13⅜" x 5¼" (340 mm x 133 mm)	2 psi @ 5 gpm (0.14 bar @ 19 L/min)
#10 3G SL Opaque or Clear 1/2" NPT IB MM*	13⅜" x 5¼" (340 mm x 133 mm)	2 psi @ 5 gpm (0.14 bar @ 19 L/min)
#10 3G SL Opaque or Clear 1/4" QC IB MM*	13⅜" x 5¼" (340 mm x 133 mm)	2 psi @ 3 gpm (0.14 bar @ 19 L/min)
#10 3G SL Opaque or Clear 3/8" QC IB	13⅜" x 5¼" (340 mm x 133 mm)	2 psi @ 5 gpm (0.14 bar @ 19 L/min)
#10 3G SL Opaque or Clear 1/2" QC MB	12½" x 4⅝" (318 mm x 118 mm)	2 psi @ 5 gpm (0.14 bar @ 19 L/min)

MB = Mounting Boss Cap for mounting to bracket

* Height does not include meter. Add 1¾" for 143549 meter and 1/2" for 143550 meter.

Materials of Construction

- *Housing:* Polypropylene (Opaque) or Styrene Acrylonitrile (Clear)
- *Cap:* Reinforced Polypropylene
- *Button Assembly:* 300-series Stainless Steel, polypropylene and EPDM
- *O-Ring:* Buna-N
- *Maximum Temperature:* 125˚F (51.7˚C)
- *Maximum Pressure:* 125 psi (8.62 bar)

SLIM LINE® HOUSINGS

NSF COMPONENT

The 158005, 158006, 158114, 158115, 158128, 158129, 158131, 158149, 158195, 158196, 158204 and 158205 are Tested and Certified by NSF International under NSF/ANSI Standard 42 for material and structural integrity requirements only.

- *Slim design reduces space required for installation without sacrificing capacity*
- *FDA grade*
- *Optional pressure-relief/bleed button on inlet side of cap*
- *Leak-proof sealing with top-seated Buna-N O-ring*
- *Available with clear and opaque sumps*

Slim Line filter housings are available in either reinforced polypropylene or clear, Styrene-Acrylonitrile (SAN). The clear polyproplyene housings are available in 5", 10", and 20" lengths while the SAN (clear) housings are available in 5" and 10" lengths. The reinforced polypropylene housing caps are available with 1/4", 3/8" or 1/2" NPT connections. Four bosses are molded into every cap for mounting purposes. Excellent for low-flow applications and when space and chemical compatibility are primary concerns.

CLEAR SLIM LINE HOUSINGS

The clear Slim Line housings offer on-site examination of flow, performance and cartridge life. Manufactured of clear, Styrene-Acrylonitrile (SAN), the sumps are stress relieved for added clarity and strength.

OPAQUE SLIM LINE HOUSINGS

Molded from rugged reinforced polypropylene, these housings are ideal for under-sink and countertop residential filtration, pre- and post-reverse osmosis filtration, recreational vehicle filtration, food service, humidifying systems and light commercial and industrial filtration.

Housing Specifications and Performance Data

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
#5 Clear	7-3/8" x 4-5/8" (187 mm x 118 mm)	1/4" NPT–2 psi @ 3 gpm (0.14 bar @ 11 L/min)
#10 Clear	12-1/8" x 4-5/8" (308 mm x 118 mm)	3/8" NPT–2 psi @ 5 gpm (0.14 bar @ 19 L/min)
#5 Opaque	7" x 4-3/8" (178 mm x 111 mm)	1/4" NPT–2 psi @ 3 gpm (0.14 bar @ 11 L/min)
#10 Opaque	11-3/4" x 4-3/8" (299 mm x 111 mm)	1/2" NPT–2 psi @ 5 gpm (0.14 bar @ 19 L/min)
#20 Opaque	21-7/8" x 4-3/8" (556 mm x 111 mm)	1/2" NPT–2 psi @ 5 gpm (0.14 bar @ 19 L/min)

Materials of Construction

- *Housing:* Styrene Acrylonitrile (Clear) and Polypropylene (Opaque)
- *Cap:* Reinforced Polypropylene
- *Button Assembly:* 300-series Stainless Steel, Polypropylene and EPDM
- *O-Ring:* Buna-N
- *Maximum Temperature:* 125˚F (51.7˚C)
- *Maximum Pressure:* 125 psi (8.62 bar)

STANDARD HOUSINGS

NSF COMPONENT

The 150001, 150002, 150067, 150068, 150071, 150072, 150435 and 150436 are Tested and Certified by NSF International under NSF/ANSI Standard 42 for material and structural integrity requirements only.

- *Ideal for a wide range of applications including residential, commercial and industrial*
- *Available in 10" and 20" lengths*
- *Optional pressure-relief/bleed button on inlet side of cap*
- *Thick walls for increased strength*
- *Leak-proof sealing with top-seated Buna-N O-ring*
- *Available with clear and opaque sumps*

Standard filter housings are manufactured of a durable polypropylene or clear Styrene-Acrylonitrile (SAN). All are equipped with 3/4" NPT inlet and outlet ports.

Reinforced polypropylene housings have excellent chemical resistance and are ideal for many residential, commercial and industrial applications. Clear sumps are manufactured from a clear, Styrene-Acrylonitrile (SAN). They offer on-site examination of flow and have excellent chemical compatibility as well.

Standard filter housings are available in both 10" and 20" lengths and will accommodate a wide range of 2⅜" and 2⅞" diameter cartridges.

Housing Specifications and Performance Data

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
#10 Blue	12¼" x 5⅛" (311 mm x 130 mm)	1 psi @ 10 gpm (0.1 bar @ 38 L/min)
#10 Clear	12⅝" x 5¼" (321 mm x 133 mm)	1 psi @ 10 gpm (0.1 bar @ 38 L/min)
#20 Blue	22⅜" x 5⅛" (568 mm x 130 mm)	1 psi @ 10 gpm (0.1 bar @ 38 L/min)

Materials of Construction

- *Housing:* Polypropylene (Blue) or Styrene Acrylonitrile (Clear)
- *Cap:* Reinforced Polypropylene
- *Button Assembly:* 300-series Stainless Steel, Polypropylene and EPDM
- *O-Ring:* Buna-N
- *Maximum Temperature:* 125˚F (51.7˚C)
- *Maximum Pressure:* 125 psi (8.62 bar)

VALVE-IN-HEAD HOUSINGS

NSF
COMPONENT

The 150164 and 150172 are Tested and Certified by NSF International under NSF/ANSI Standard 42 for material and structural requirements only.

- *Ideal for a wide range of applications including residential, commercial and industrial*
- *Available in 10" and 20" lengths*
- *Optional pressure-relief/bleed button on inlet side of cap*
- *Thick walls for increased strength*
- *Leak-proof sealing with top-seated Buna-N o-ring*
- *Available with clear and opaque sumps*

Valve-in-Head housings incorporate the same rugged design and application features as our Standard 3/4" NPT housings.

The internal valve-in-head allows both inlet and outlet ports to be simultaneously shut-off with a half turn of the handle. This eliminates the need for external shut-off valves. Radial sealing O-rings and sealing surfaces are continuously cleaned each time the valve is used, ensuring leak-proof operation.

Valve-in-Head filter housings are available in both 10" and 20" lengths, will accommodate a wide range of 2⅜" and 2⅞" diameter cartridges and are available with either reinforced polypropylene or clear Styrene-Acrylonitrile (SAN) sumps.

Housing Specifications and Performance Data

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
#10 VIH	12½" x 5⅛" (318 mm x 130 mm)	4 psi @ 8 gpm (0.3 bar @ 30 L/min)
#10 VIH Clear	12⅞" x 5¼" (327 mm x 133 mm)	4 psi @ 8 gpm (0.3 bar @ 30 L/min)
#20 VIH	22⅝" x 5⅛" (575 mm x 130 mm)	4 psi @ 8 gpm (0.3 bar @ 30 L/min)

Materials of Construction

- *Housing:* Polypropylene (Blue)
  Styrene Acrylonitrile (Clear)
- *Cap:* Reinforced Polypropylene
- *Button Assembly:* 300-series Stainless Steel, Polypropylene and EPDM
- *O-Ring:* Buna-N
- *Maximum Temperature:* 125°F (51.7°C)
- *Maximum Pressure:* 125 psi (8.62 bar)

HIGH TEMPERATURE HOUSINGS

- *Ideal for a wide range of industrial applications*
- *Excellent alternative to stainless and carbon steel vessels*
- *Durable glass-reinforced nylon construction*

Constructed of glass-reinforced nylon, High Temperature filter housings are an economical alternative to stainless and carbon steel housings.

These 1/2" and 3/4" NPT housings can withstand temperatures up to a maximum of 160°F (71.1°C). Excellent chemical compatibility makes High Temperature housings an ideal choice for a wide variety of industrial applications including those involving organic solvents, sea water, alcohol, petroleum and vegetable oils. These housings should not be used with Ketones.

A 241 Viton® O-ring provides dependable sealing. Both 10" and 20" lengths are available to accommodate flow rates up to 20 gpm (76 L/min.).

Housing Specifications and Performance Data

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
3/4" #10 HT	12⅛" x 5⅛" (308 mm x 130 mm)	<1 psi @ 8 gpm (< 0.1 bar @ 30 L/min)
3/4" #20 HT	22¼" x 5⅛" (565 mm x 130 mm)	<1 psi @ 8 gpm (< 0.1 bar @ 30 L/min)
1/2" #10 HTSL	11¾" x 4⅜" (298 mm x 111 mm)	5 psi @ 8 gpm (< 0.4 bar @ 30 L/min)
1/2" #20 HTSL	21⅞" x 4⅜" (556 mm x 111 mm)	5 psi @ 8 gpm (< 0.4 bar @ 30 L/min)

Materials of Construction

- *Housing:* Glass-Reinforced Nylon
- *Cap:* Glass-Reinforced Nylon
- *O-Ring:* Viton®
- *Maximum Temperature:* 160°F (71.1°C) (High Temperature)
- *Maximum Pressure:* 125 psi (8.62 bar)

BIG BLUE® HOUSINGS

1" #10 Big Blue®

1" #20 Big Blue®

NSF COMPONENT

The 150233, 150234, 150235, 150236, 150237, 150238, 150239, 150240, 150467 and 150469 are Tested and Certified by NSF International under NSF/ANSI Standard 42 for material and structural integrity requirements only.

- *Large capacity housing suitable for high flow applications*
- *Available in 10" and 20" lengths*
- *Optional pressure-relief/bleed button on inlet side of cap*
- *Accepts 4½" diameter cartridges*

Big Blue filter housings offer the versatility to meet all of your large-capacity filtration needs, including high-flow and heavy-sediment applications. The extra large housing allows for greater cartridge capacity, reducing the number of vessels required for high flow-rate applications. Sumps are constructed of durable reinforced polypropylene and are available in both 10" and 20" lengths.

The high-flow polypropylene (HFPP) cap is available with 3/4", 1" or 1½" NPT inlet and outlet ports. The 1¼" internal port allows a greater volume of liquid to pass through the HFPP cap more rapidly.

Big Blue housings are compatible with a broad range of chemicals and are available with or without an optional pressure-relief button. They accept a wide variety of 4½" diameter cartridges in either 10" or 20" lengths.

Housing Specifications and Performance Data

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
3/4" #10BB	13⅛" x 7¼" (333 mm x 184 mm)	2 psi @ 15 gpm (0.1 bar @ 57 L/min)
1" #10BB	13⅛" x 7¼" (333 mm x 184 mm)	1 psi @ 15 gpm (0.1 bar @ 57 L/min)
1½" #10BB	13⅜" x 7¼" (346 mm x 184 mm)	1 psi @ 20 gpm (0.1 bar @ 76 L/min)
3/4" #20BB	23⅜" x 7¼" (594 mm x 184 mm)	2 psi @ 15 gpm (0.1 bar @ 57 L/min)
1" #20BB	23⅜" x 7¼" (594 mm x 184 mm)	1 psi @ 15 gpm (0.1 bar @ 57 L/min)
1½" #20BB	23⅞" x 7¼" (606 mm x 184 mm)	1 psi @ 20 gpm (0.1 bar @ 76 L/min)

Materials of Construction

- *Housing:* Polypropylene
- *Cap:* Polypropylene (HFPP)
- *Button Assembly:* 300-series Stainless Steel, Polypropylene and EPDM
- *O-Ring:* Buna-N
- *Maximum Temperature:* 100˚F (37.8˚C)
- *Maximum Pressure:* #10BB – 100 psi (6.90 bar)
  #20BB – 90 psi (6.2 bar)

ALL NATURAL HOUSINGS

#10 All Natural

#20 All Natural

- *An economical solution to fluoropolymer, stainless steel or Teflon® housings*
- *Pure polypropylene components – no fillers, colorants, plasticizers or lubricants*
- *Ultra-smooth contact surfaces prevent bacterial adhesion and build-up*
- *Resists DI water and other inorganic solutions*
- *Resists stress cracking*
- *Viton® o-rings provide dependable sealing*

All Natural filter housings help maintain high standards of purity and performance required in critical contamination control systems and processes. These housings can also be used for a variety of other applications where purity, quality, filtration and economy are required.

All housings have 3/4" (19 mm) NPT inlet and outlet threads. Some housings are available with plugged 1/4" (6.4 mm) NPT inlet, outlet and sump ports.

Compatible with most Pall, Millipore, Gelman, Brunswick, Sartorius, Filterite and Nuclepore membrane cartridges.

Housing Specifications and Performance Data

Model	Cartridge Sealing	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
3/4" #10	DOE[1]	12½" x 5⅛" (320 mm x 180 mm)	3 psi @ 7 gpm (0.2 bar @ 26.5 L/min)
3/4" #12	222[2]	15⅜" x 5⅛" (390 mm x 180 mm)	3 psi @ 7 gpm (0.2 bar @ 26.5 L/min)
3/4" #20	DOE[1] 222[2]	23⅛" x 5⅛" (590 mm x 180 mm)	3 psi @ 7 gpm (0.2 bar @ 26.5 L/min)

[1]Double Open End [2]222 o-ring sealing

Materials of Construction

- *Housing:* All Natural Polypropylene
- *Cap:* All Natural Polypropylene
- *O-Ring:* Viton®
- *Maximum Temperature:* 100˚F (37.8˚C)
- *Maximum Pressure:* 100 psi (6.90 bar)

BAG VESSEL HOUSINGS

*Shown with bag vessel stand (sold separately)

- *Lightweight corrosion-resistant polypropylene construction gives your strength without weight*
- *Available in 1" and 1½" NPT sizes*
- *Comes complete with gauge, wrench and 3/8" drain valve*
- *Choice of 10" and 20" housings*
- *Light enough to be portable*

Pentek's standard bag vessel assemblies keep your system on stream longer by reducing bag filter change time. The single large Acme thread closure ensures quick opening and positive sealing.

All PBH Series vessels come complete with gauge, wrench and 3/8" drain valve.

PBH Series vessel assemblies are made of lightweight corrosion-resistant polypropylene to give you all the strength you need without the weight.

Bag vessel assemblies are economically priced, allowing you to install a duplex system for totally uninterrupted flow rates.

Housing Specifications and Performance Data

Model (Inlet/Oulet)	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)	Maximum Pressure
PBH-410 1" NPT	13⅛" x 7¼" (333mm x 184mm)	1 psi @ 15 gpm (.07 bar @ 57 L/min)	100 psi (6.90 bar)
PBH-410 1½" NPT	13⅝" x 7¼" (346mm x 184mm)	1 psi @ 20 gpm (.07 bar @ 76 L/min)	100 psi (6.90 bar)
PBH-420 1" NPT	23⅜" x 7¼" (594mm x 184mm)	1 psi @ 15 gpm (.07 bar @ 57 L/min)	90 psi (6.2 bar)
PBH-420 1½" NPT	23⅞" x 7¼" (606mm x 184mm)	1 psi @ 20 gpm (.07 bar @ 76 L/min)	90 psi (6.2 bar)

Materials of Construction

- *Housing:* Polypropylene
- *Cap:* Polypropylene
- *Gauge:* Bismuth Brass (lead free)
- *Vent Plug:* Polypropylene
- *Drain Plug:* High Density Polypropylene
- *Ball Valve:* PVC/Buna-N Seals
- *Basket:* Polypropylene
- *O-Ring and Gaskets:* Buna-N
- *Maximum Temperature:* 100°F (37.8°C)

ST SERIES STAINLESS STEEL HOUSINGS

- *Heavy-duty units for smaller filtration systems and point-of-use applications*
- *Brushed 304 stainless steel sump with a cast-brass/nickel-plated head*
- *Ideal for high pressure/hot water applications*
- *Accepts complete range of standard double open end (DOE) cartridges*

ST Series stainless steel filter housings effectively provide heavy-duty filtration for smaller filtration systems and point-of-use applications. Supplying flow rates of up to 20 gpm (76 L/min.) at a maximum water temperature of 300°F (149°C), ST Series housings are ideal for hot water and high-pressure applications not suited for plastic housings. The brushed 304 stainless steel sumps are available with either a pipe plug or pet-cock in the bottom for draining. Heads are manufactured from nickel-plated cast-brass. All housings have 3/4" inlet and outlet threads.

ST Series housings are easy to install and maintain. They are compatible with a complete range of filter cartridges, adding to their versatility.

Housing Specifications and Performance Data

Model	Dimensions	Recommended Flow Rates	Maximum Pressure
ST-1	12⅞" x 4⅛" (327 mm x 105 mm)	10 gpm (38 L/min)	250 psi (17.2 bar)
ST-2	22¾" x 4⅛" (578 mm x 105 mm)	15 gpm (57 L/min)	250 psi (17.2 bar)
ST-3	32⅜" x 4⅛" (822 mm x 105 mm)	20 gpm (76 L/min)	250 psi (17.2 bar)

- Maximum cartridge diameter 3" (76 mm).
- Will not accept model GAC, CC, CGAC, TSGAC, WS, PCF or PCC series cartridges.

Materials of Construction

- *Housing:* Brushed 304 Stainless Steel
- *Head:* Brass/Nickel Plated
- *Maximum Temperature:* 300°F (149°C)
- *Gaskets:* Buna-N, cellulose fiber (Nut)

NOTE: Not recommended for applications with TDS or chlorides >1000ppm and/or pH <5.0. Use of this product in these conditions will void the limited warranty. Consult factory for product modifications for these conditions.

ST-BC SERIES STAINLESS STEEL HOUSINGS

- *Heavy-duty units for large-scale commercial/industrial applications*
- *Brushed 304 stainless steel construction with a gray-silver epoxy finish*
- *Ideal for high-temperature applications*
- *Accepts complete range of standard double open end (DOE) cartridges*

ST-BC Series stainless steel filter housings offer a variety of solutions for your large-scale, heavy-duty filtration needs. Simple to install and maintain, these housings are ideal for schools, restaurants, farms, institutions and industrial use. Holding from four to 20 cartridges, ST-BC Series housings provide flow rates from 28 - 125 gpm (106 - 473 L/min).

All housings have 2" NPT inlet and outlet threads and are constructed of 304 stainless steel with a gray-silver epoxy finish. They include drains on both the "clean" and "dirty" sides of the sump.

ST-BC Series housings are compatible with a complete range of filter cartridges, adding to their versatility.

Housing Specifications and Performance Data

Model	Number of Cartridges, Dimensions of Cartridge	Recommended Flow Rates	Maximum Pressure
ST-BC-4	4–3" x 9¾" or 10" (76 mm x 248 or 254 mm)	28 gpm (106 L/min)	125 psi (8.62 bar)
ST-BC-8	8–3" x 9¾" or 10" (76 mm x 248 or 254 mm)	56 gpm (212 L/min)	125 psi (8.62 bar)
ST-BC-12	12–3" x 9¾" or 10" (76 mm x 248 or 254 mm)	84 gpm (318 L/min)	125 psi (8.62 bar)
ST-BC-16	16–3" x 9¾" or 10" (76 mm x 248 or 254 mm)	110 gpm (416 L/min)	125 psi (8.62 bar)
ST-BC-20	20–2½" x 9¾" or 10" (64 mm x 248 or 254 mm)	125 gpm (473 L/min)	125 psi (8.62 bar)

- Will not accept model GAC, CC, CGAC, TSGAC, WS, PCF or PCC series cartridges.

Materials of Construction

- *Housing:* Brushed 304 Stainless Steel
- *Finish:* Epoxy
- *Maximum* Temperature: 300˚F (149˚C)
- *Sealing Gasket:* Buna-N

NOTE: Not recommended for applications with TDS or chlorides >1000ppm and/or pH <5.0. Use of this product in these conditions will void the limited warranty. Consult factory for product modifications for these conditions.

ACCESSORIES

MOUNTING BRACKETS

For Big Blue® Housings — This stainless steel bracket is made for Big Blue filters only. Kit includes bracket and screws.

For Mounting Caps with Bosses — The MC-1A bracket is made for 3/4" (19 mm) housings with bosses only. Constructed of zinc-plated steel. Kit includes bracket and screws.

For 3/4" Housings — The UB-1 bracket is made for 3/4" (19 mm) inlet/outlet housings only. Constructed of zinc-plated steel. Kit includes bracket and screws.

For Slim-Line® housings (1/4", 3/8" and 1/2") — This bracket is manufactured for 1/2" (12.7 mm), 3/8" (9.5 mm) and 1/4" (6.4 mm) inlet/outlet housings only. Constructed of zinc-plated steel. Kit includes bracket and screws.

SYSTEM MOUNTING BRACKETS

For Slim Line® and Big Blue® Housings

SPANNER WRENCHES

Use to loosen sump when changing cartridges.

SW-1: Plastic — for Slim Line 1/4", 3/8" and 1/2" housings.

SW-2: Plastic — for 3/4" standard housings.

SW-3: Plastic — for 3/4", 1" and 1½" #10 Big Blue housings.

SW-4: Plastic — for 1" and 1½" #20 Big Blue housings.

PRESSURE/FLOW	NET PRESSURE DROP - psi (bar) @ FLOW RATE - gpm (L/min)																
MODEL NUMBER	1 (4)	3 (11)	5 (19)	8 (30)	10 (38)	15 (57)	20 (76)	25 (95)	30 (114)	35 (132)	40 (151)	50 (189)	60 (227)	70 (265)	80 (303)	90 (341)	100 (379)
1/4" Slim Line® & 3G	<1 (<.1)	2 (.1)	4 (.3)	10 (.7)	15 (1.0)												
3/8" Slim Line® & 3G	<1 (<.1)	<1 (<.1)	2 (.1)	5 (.4)	7 (.5)												
1/2" Slim Line® & 3G	<1 (<.1)	<1 (<.1)	2 (.1)	5 (.4)	7 (.5)												
3/4" Standard & 3G	<1 (<.1)	<1 (<.1)	<1 (<.1)	<1 (<.1)	1 (.1)	2 (.1)	3 (.2)										
3/4" V-I-H	<1 (<.1)	1 (.1)	2 (.1)	4 (.3)	7 (.5)	16 (1.1)											
Big Blue® HFPP 1"	<1 (<.1)	<1 (<.1)	<1 (<.1)	<1 (<.1)	1 (.1)	1 (.1)	2 (.1)	3 (.2)	4 (.3)	5 (.4)	7 (.5)	11 (.8)	16 (1.1)				
Big Blue® HFPP 1-1/2"	<1 (<.1)	<1 (<.1)	<1 (<.1)	<1 (<.1)	<1 (<.1)	1 (.1)	1 (.1)	2 (.1)	2 (.1)	3 (.2)	4 (.3)	7 (.5)	10 (.7)	13 (.9)			

NOTE: The pressure drop values listed for flow rates higher than 10 gpm were extrapolated from curves, except in the case of Big Blue housings. All tests were performed on empty housings (no cartridges).

CAUTION: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the unit.

CHEMICAL COMPATIBILITY CHART

Chemical	Temperature (°F)**	% Concentration**	Polypropylene TF	SAN	Nylon GF	ABS GF	Delrin	Buna-N	Silicone	Viton E-60	300 Series Stainless
Acetic Acid	125	50	A	A	D	A	D	C	–	C	–
Acetone	125	100	A	D	B	D	B	D	B	D	A
Ammonium Compounds	125	100*	A	A	A*	A	B	A	B	A	C
Ammonium Hydroxide	125	10	A	A	A	A	D	A	–	A	C
Beer	125	ANY	A	A	D	B	A	D	C	A	A
Benzene	72	100	B	D	A	D	B	D	–	A	B
Calcium Compounds	125	ANY*	A	A	A	A	A	A	C	A	B/C
Calcium Hypochlorite	68	20	A	–	D	–	D	B	C	A	D
Citric Acid	125	10	A	A	C	B	A	D	C	A	–
Cottonseed Oil	125	–	A	A	A	B	A	A	–	A	B
Detergents	125	2	A	A	A	A	A	A	–	A	–
Ethyl Alcohol	125	96	A	B	A	B	A	A	B	A	–
Freon	68	25	B	12 22	A	C 12 22	D	12 113 TF	D	12	11 ONLY
Fruit Juices	125	–	A	A	A	A	A	A	–	A	A
Gasoline	125	100	C	A	A	D	B	A	D	A	A
Glucose	125	20	A	A	A	A	A	A	B	A	A
Glycerin	125	100	A	A	A	B	A	A	B	A	A
Glycol	125	–	A	D	–	D	A	A	–	A	–
Hexane	125	100	C	–	A	D	D	A	B	A	A
Hydrochloric Acid	125	20	A	A	D	B	D	C	–	A	–
Hydroflouric Acid	68	40	A	–	D	A	D	D	–	A	–

Chemical	Temperature (°F)**	% Concentration**	Polypropylene TF	SAN	Nylon GF	ABS GF	Delrin	Buna-N	Silicone	Viton E-60	300 Series Stainless
Hydrogen Peroxide	68	30	A	–	D	–	D	D	–	A	–
Inks	125	–	A	B	A	B	A	A	–	A	A
Ketones	68	–	D	D	B	–	C	D	–	D	A
Lubricating Oils	125	100	C	A	A	B	A	A	C	A	A
Mercury	125	100	A	–	A	–	A	A	–	A	A
Methyl Alcohol	125	100	A	D	A	D	A	B	–	C	–
Mineral Oil	100	100	B	A	A	A	A	A	–	A	A
Naphthalene	125	100	A	B	A	C	D	B	D	A	A
Nitric Acid	68	10	A	B	D	C	D	D	–	A	A
Olive Oil	125	100	A	A	A	A	A	A	C	A	A
Plating Solutions	125	–	A*	–	A/D*	–	*	A*	D	A	–
Sodium Compounds	125	ANY	A	A	A/C*	C	*	A	C	A	B
Sodium Hypochlorite	100	5	A	A	A	B	A	A	C	A	B
Sugar & Syrups	125	–	A	–	A	B	A	A	A	A	A
Sulfuric Acid	68	25	A	A	D	B	D	C	–	A	–
Toluene	100	–	D	D	A	D	D	D	D	C	A
Water (hot)	200	100	–	–	A	–	–	C	A	B	A
DI Water	125	100	B	A	A	A	A	A	A	A	–
Sea Water	125	100	A	B	A	A	C	A	–	A	–
Whiskey/Wines	125	–	A	A	A	A	A	A	–	A	A
Xylene	100	100	C	D	A	D	D	D	D	A	A

A = Negligible Effect
B = Limited Absorption Attack
C = Extensive Absorption and/or Rapid Permeation
D = Extensive Attack

* = Consult Factory for Specific Compound
** = Maximum
TF = Talc Filled
GF = Glass Filled