

BIG BLUE® HOUSINGS



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. 20 Micron Filtration cartridge.

The high-flow polypropylene (HFPP) cap is available with ¾", 1" or 1½" NPT inlet and outlet ports. The ¼" 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)
¾" #10BB	13½" x 7¼" (333 mm x 184 mm)	2 psi @ 15 gpm (0.1 bar @ 57 L/min)
1" #10BB	13½" x 7¼" (333 mm x 184 mm)	1 psi @ 15 gpm (0.1 bar @ 57 L/min)
1½" #10BB	13½" x 7¼" (346 mm x 184 mm)	1 psi @ 20 gpm (0.1 bar @ 76 L/min)
¾" #20BB	23¾" x 7¼" (594 mm x 184 mm)	2 psi @ 15 gpm (0.1 bar @ 57 L/min)
1" #20BB	23¾" x 7¼" (594 mm x 184 mm)	1 psi @ 15 gpm (0.1 bar @ 57 L/min)
1½" #20BB	23¾" 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 20 Micron Pleated Inner Filter FF10BBPS Element
- **Maximum Temperature:** 100°F (37.8°C)
- **Maximum Pressure:** #10BB – 100 psi (6.90 bar)
#20BB – 90 psi (6.2 bar)

Note: 10BB and 20BB Series Filters are to be installed in cold feed applications only. Maximum temperature water 100F. Install a proper check valve on the outlet of the filter to insure that hot feed water does not back flow to the filter. In order to increase the inner cartridge life always install a 100 Mesh inline wye strainer with blow down valve on the inlet of the BB filter. Water flow should not exceed the indicated flows above for long life.

ALL NATURAL HOUSINGS



- 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 ¾" (19 mm) NPT inlet and outlet threads. Some housings are available with plugged ¼" (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)
¾" #10	DOE ¹	12½" x 5½" (320 mm x 180 mm)	3 psi @ 7 gpm (0.2 bar @ 26.5 L/min)
¾" #12	222 ²	15¾" x 5½" (390 mm x 180 mm)	3 psi @ 7 gpm (0.2 bar @ 26.5 L/min)
¾" #20	DOE ¹ 222 ²	23¾" x 5½" (590 mm x 180 mm)	3 psi @ 7 gpm (0.2 bar @ 26.5 L/min)

¹Double Open End ²222 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)



Clean Steam Feed Water Filters
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