BIG BLUE HEAVY DUTY SERIES

FILTER HOUSINGS

Big Black not shown

Pentair Big Blue§ and Big Black Heavy Duty 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 available in both 10" and 20" lengths.

The High-Flow Polypropylene (HFPP) cap is available with 3/4", 1" or 1-1/2" NPT inlet and outlet ports. The 1-1/2" internal port allows a greater volume of liquid to pass through the HFPP cap more rapidly.

Big Blue and Big Black Housings are compatible with a broad range of chemicals and are available with or without a pressure relief button. They accept a wide variety of 4-1/2" diameter cartridges.

FEATURES • BENEFITS

- Large capacity housing suitable for high flow applications
- Pressure relief/bleed on inlet side of cap
- Accepts up to 4-1/2" diameter cartridges
- Available in 10" and 20" lengths

SPECIFICATIONS

- **Housing**
  Polypropylene
- **Cap**
  Polypropylene (HFPP)
- **Button Assembly**
  300-Series stainless steel, EPDM, and polypropylene
- **O-Ring**
  EPDM
- **Temperature Rating**
  40-100°F (4.4-37.8°C)
- **Maximum Pressure**
  10": 100 psi (6.9 bar)
  20" : 90 psi (6.2 bar)

The 150233, 150234, 150235, 150236, 150237, 150238, 150239, 150240, 150467, 150468, 150469, and 150470 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.

Natural air oxidation for clean, clear, odorless water

AirCycle™ Aeration with the Entipur® Monitor™ Valve

ENTIPUR®
AirCycle™ Aeration
Patent No. 8,691,091

ENTIPUR® Patented AirCycle™

- Air release, slow and quiet
- Air charge, with or without backwash

ENTIPUR® Monitor™ Continuous Treated Water

- Will not interrupt water use
- Continues to oxidize iron, manganese and sulfur odor

AirCycle™ Treatment Options

- AirCycle™ with backwash off
  - Saves thousands of gallons of water
  - Manual backwash cleaning
  - Press and hold Regen button, add backwash for easy cleaning
- AirCycle™ with backwash on
  - Automatic backwash cleaning
- Can be used with or without a variety of filter medias to suit your needs

ENTIPUR® Monitor™ Valve

- Adjustable Service Reminder: Factory set to yearly and 80,000 gallons used
  - Green Light: Plugged in and working
  - Yellow Light Flashing: 80% of gallons used before service alarm
  - Red Light Flashing: 90% of gallons used
  - Red Light and Audible Service Alarm: 100% of gallons used (Alarm can be silenced for 2 days by pressing any button)

Information

- Press the Setup Button to display:
  - Installer name and phone number
  - Gallons remaining before regeneration
  - Days remaining before regen
- Time of Day
- Flow Rate
- Total Flow
- Peak Flow

Action

- Press the Regen Button to:
  - Regen tonight
- Press and hold the Regen Button to:
  - Regen now

Adjustment

- Press and hold the Setup Button to adjust:
  - Days between regen
  - Gallons between regen
  - Regen time
  - Audible alarm on/off

Table 1 – Comparison of Residential POE Alternatives for Additional Water Treatment				
	1) Cartridge Filter	2) Backwashing Filter	3) Oxidizing Backwashing Filter	4) Water Softener w/ Cartridge Pre-filter
Removes Particulate Iron & Manganese	Y	Y	Y	Y
Removes Dissolved Iron & Manganese	N	N	Y	Y
Removes Colloidal Iron & Manganese	N	N	Maybe	Maybe
Removes Hardness (Calcium, Magnesium)	N	N	N	Y
Requires Backwash Discharge	N	Y	Y	Y
Requires Power	N	Y	Y	Y
Expendables/ Consumables	Cartridges	PM	PM	Cartridges, PM, and Salt Pellets
Capital Cost	$	$$	$$$	$$$
Maintenance Cost	$$	$	$	$$$

PM = Preventive Maintenance

Scale of Cost: low ($) – high ($$$)

The vendors listed below will be able to provide pricing information based on the filter system desired and the installation requirements. VDE does not recommend one vendor over the other; this list is provided for information only.

New Hampshire Point-of-Entry Water Treatment System Vendors

Name	Town/City	Phone Number
Advanced Radon Mitigation	Hooksett	603-644-1207
Capital Well Company	Dunbarton	800-924-1192
Contoocook Artesian Well	Henniker	603-428-6060
Culligan of NH	Manchester	603-782-9113
Gilford Well Company	Gilford	603-556-7959
Lachance Water Filtration	Tilton	603-732-2533
Secondwind Water Systems	Manchester	603-641-5767
Skillings and Sons	Amherst	800-441-6281
The Water Techs	Derry	603-421-6164