

# PENTEK BIG BLUE HEAVY DUTY SERIES FILTER HOUSINGS

FOR LARGE-CAPACITY, HIGH FLOW APPLICATIONS



*Big Black not shown*

**Pentair Pentek<sup>®</sup> Big Blue<sup>®</sup> 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 |
| Available in 10" and 20" lengths                           | Accepts up to 4-1/2" diameter cartridges   |

## SPECIFICATIONS

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



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.

## SPECIFICATIONS AND PERFORMANCE

| PART #  | DESCRIPTION                                 | MAXIMUM DIMENSIONS            | INITIAL ΔP (PSI) @ FLOW RATE (GPM)  |
|---------|---|-------------------------------|-------------------------------------|
| 150469* | 3/4" #10 Big Blue Black/Blue HFPP w/PR      | 12.75" x 7.38" (324 x 187 mm) | 2 psi @ 15 gpm ( 0.14 bar @ 57 Lpm) |
| 150470* | 3/4" #10 Big Blue Black/Blue HFPP w/o PR    | 12.75" x 7.38" (324 x 187 mm) | 2 psi @ 15 gpm ( 0.14 bar @ 57 Lpm) |
| 150467* | 3/4" #20 Big Blue Black/Blue HFPP w/PR      | 23.04" x 7.38" (585 x 187 mm) | 2 psi @ 15 gpm ( 0.14 bar @ 57 Lpm) |
| 150468* | 3/4" #20 Big Blue Black/Blue HFPP w/o PR    | 23.04" x 7.38" (585 x 187 mm) | 2 psi @ 15 gpm ( 0.14 bar @ 57 Lpm) |
| 158799* | 3/4" #20 Big Blue Black/White HFPP w/PR     | 23.04" x 7.38" (585 x 187 mm) | 2 psi @ 15 gpm ( 0.14 bar @ 57 Lpm) |
| 150237* | 1" #10 Big Blue Black/Blue HFPP w/PR        | 13.30" x 7.45" (338 x 189 mm) | 1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm) |
| 150238* | 1" #10 Big Blue Black/Blue HFPP w/o PR      | 13.30" x 7.45" (338 x 189 mm) | 1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm) |
| 150233* | 1" #20 Big Blue Black/Blue HFPP w/PR        | 23.22" x 7.45" (590 x 189 mm) | 1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm) |
| 150234* | 1" #20 Big Blue Black/Blue HFPP w/o PR      | 23.22" x 7.45" (590 x 189 mm) | 1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm) |
| 150239* | 1-1/2" #10 Big Blue Black/Blue HFPP w/PR    | 13.45" x 7.45" (342 x 189 mm) | 1 psi @ 20 gpm ( 0.07 bar @ 76 Lpm) |
| 150240* | 1-1/2" #10 Big Blue Black/Blue HFPP w/o PR  | 13.45" x 7.45" (342 x 189 mm) | 1 psi @ 20 gpm ( 0.07 bar @ 76 Lpm) |
| 150235* | 1-1/2" #20 Big Blue Black/Blue HFPP w/PR    | 23.74" x 7.45" (603 x 189 mm) | 1 psi @ 20 gpm ( 0.07 bar @ 76 Lpm) |
| 150236* | 1-1/2" #20 Big Blue Black/Blue HFPP w/o PR  | 23.74" x 7.45" (603 x 189 mm) | 1 psi @ 20 gpm ( 0.07 bar @ 76 Lpm) |
| 150671  | 1" #10 Big Blue Black/Black HFPP w/o PR     | 13.30" x 7.45" (338 x 189 mm) | 1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm) |
| 150426  | 1" #10 Big Blue Black/Black HFPP w/PR       | 13.30" x 7.45" (338 x 189 mm) | 1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm) |
| 150383  | 1" #20 Big Blue Black/Black HFPP w/PR       | 23.22" x 7.45" (590 x 189 mm) | 1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm) |
| 150672  | 1" #20 Big Blue Black/Black HFPP w/o PR     | 23.22" x 7.45" (590 x 189 mm) | 1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm) |
| 150639  | 1-1/2" #20 Big Blue Black/Black HFPP w/o PR | 23.74" x 7.45" (603 x 189 mm) | 1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm) |

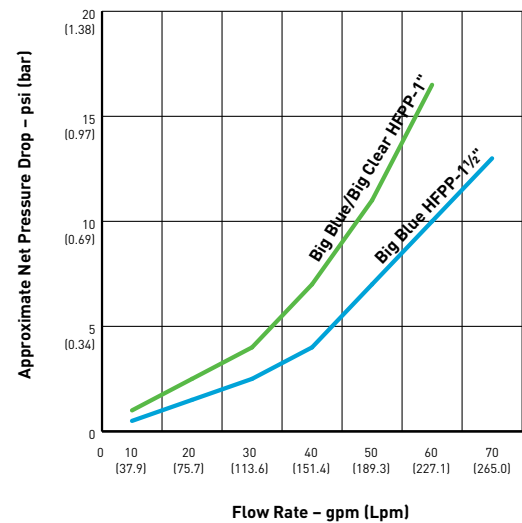
\*NSF component listed

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

## ACCESSORIES

| PART #   | DESCRIPTION   |
|----------|---|
| 150296   | SW-3 Wrench for 10" Big Blue  |
| 144368   | SW-4 Wrench for 20" Big Blue  |
| SH144229 | Cartridge Coupler for 4-1/2" Cartridges   |
| 151122   | Buna-N O-ring for Big Blue  |
| 244718   | WB-ZP - Zinc Plated Bracket ONLY  |
| 150061   | WB-ZP Kit - Zinc Plated Bracket   |
| 357639   | WB-SS - Stainless Steel Bracket ONLY  |
| 357640   | WB-SS Kit - Stainless Steel Bracket   |
| 144928   | WB-PC Kit - Powder Coated White Bracket   |
| 144258   | Two-Housing Bracket   |
| 144259   | Three-Housing Bracket   |
| 160210   | Big Blue /Big White/Big Clear Skid, Fiberglass Hardware Kit (Assembly Required) |

## PRESSURE DROP VS FLOW RATE



### WATER QUALITY SYSTEMS

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## PENTEK BIG CLEAR HEAVY DUTY SERIES FILTER HOUSINGS

FOR LARGE-CAPACITY, HIGH FLOW APPLICATIONS



**Pentair Pentek<sup>®</sup> Big Clear 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 cap is available with 1" NPT inlet and outlet ports. The 1-1/2" internal port allows a greater volume of liquid to pass through the cap more rapidly.**

**Big Clear Filter Housings offer on-site examination of flow, performance, and cartridge life and are ideal for a variety of applications. The 1" polypropylene caps are available with a pressure-relief button on the inlet side to relieve pressure inside the housing and are available in 10" and 20" lengths.**

**Caps are constructed of reinforced polypropylene. The 10" sumps are made of Lexan and the 20" sumps are SAN (Styrene acrylonitrile).**

### FEATURES/BENEFITS

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

### SPECIFICATIONS

|   |  |
|---|--|
| Housing – Lexan (#10); SAN (#20)                                      | Temperature Rating-<br>40-100°F (4.4-37.8°C)                         |
| Cap – Polypropylene   |  |
| Button Assembly – 300-Series stainless steel, EPDM, and polypropylene | Maximum Pressure-<br>10": 100 psi (6.9 bar)<br>20": 90 psi (6.2 bar) |
| O-Ring – Buna-N   |  |

## SPECIFICATIONS AND PERFORMANCE

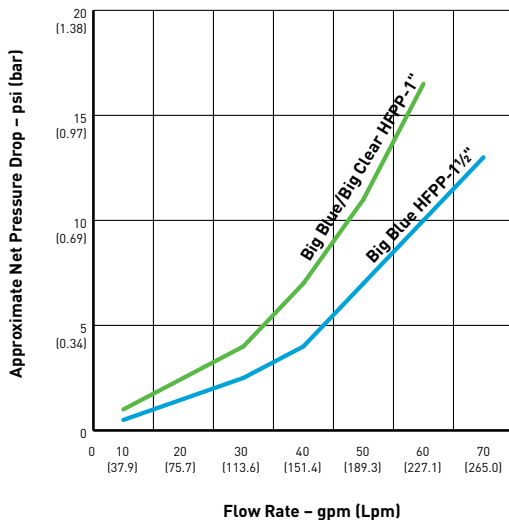
| PART # | DESCRIPTION                              | MAXIMUM DIMENSIONS            | INITIAL ΔP (PSI) @ FLOW RATE (GPM) |
|--------|--|-------------------------------|------------------------------------|
| 166219 | 1" #10 Big Clear (Lexan) Blue/Clear w/PR | 13.30" x 7.28" (338 x 185 mm) | 1 psi @ 15 gpm (0.07 bar @ 57 Lpm) |
| 166201 | 1" #20 Big Clear (SAN) Blue/Clear w/PR   | 23.22" x 7.28" (590 x 185 mm) | 1 psi @ 20 gpm (0.07 bar @ 76 Lpm) |

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

## ACCESSORIES

| PART #   | DESCRIPTION   |
|----------|---|
| SH144880 | BW/BC Wrench for Big Clear and Big White  |
| SH144229 | Cartridge Coupler for 4-1/2" Cartridges   |
| 151362   | Buna-N O-ring for 20" Big Clear   |
| 151254   | Buna-N Gasket for 10" Big Clear and Big White                                   |
| 244718   | WB-ZP - Zinc Plated Bracket ONLY  |
| 150061   | WB-ZP Kit - Zinc Plated Bracket   |
| 357639   | WB-SS - Stainless Steel Bracket ONLY  |
| 357640   | WB-SS Kit - Stainless Steel Bracket   |
| 144928   | WB-PC Kit - Powder Coated White Bracket   |
| 144258   | Two-Housing Bracket   |
| 144259   | Three-Housing Bracket   |
| 160210   | Big Blue /Big White/Big Clear Skid, Fiberglass Hardware Kit (Assembly Required) |

## PRESSURE DROP VS FLOW RATE



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