PENTEK BIG CLEAR HEAVY DUTY SERIES
FILTER HOUSINGS

FOR LARGE-CAPACITY, HIGH FLOW APPLICATIONS



Pentair Pentek§ 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

Available in 10" and 20" lengths

Pressure relief/bleed on inlet side of cap

Accepts up to 4-1/2" diameter cartridges

SPECIFICATIONS

Housing – Lexan (#10); SAN (#20)

Cap – Polypropylene

Button Assembly – 300-Series stainless steel, EPDM, and polypropylene

O-Ring – Buna-N

Temperature Rating-
40-100°F (4.4-37.8°C)

Maximum Pressure-
10": 100 psi (6.9 bar)
20": 90 psi (6.2 bar)

SPECIFICATIONS AND PERFORMANCE

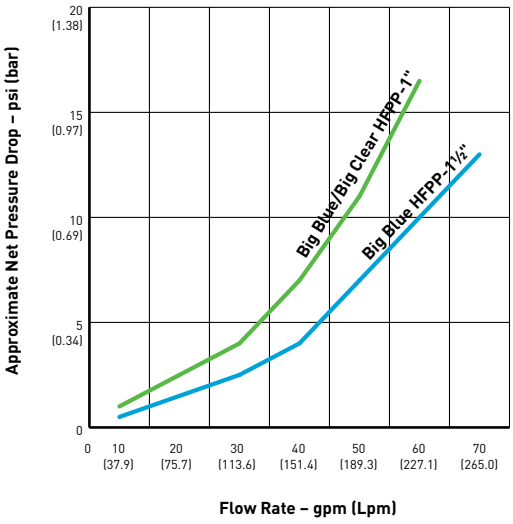
PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
166219	1" #10 Big Clear (Lexan) Blue/Clear w/PR	13.30" x 7.28" (338 x 185 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
166201	1" #20 Big Clear (SAN) Blue/Clear w/PR	23.22" x 7.28" (590 x 185 mm)	1 psi @ 20 gpm (0.07 bar @ 76 Lpm)

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



PENTAIR

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