

BIG WHITE HEAVY DUTY SERIES FILTER HOUSINGS

FOR LARGE-CAPACITY, HIGH FLOW APPLICATIONS



Pentair Big White[®] 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 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 cap more rapidly.

Big White 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

Available in 10" and 20" lengths

Pressure relief/bleed on inlet side of cap

Accepts up to 4-1/2" diameter cartridges

SPECIFICATIONS

Housing – Polypropylene

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)



166081 is 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)
166081*	3/4" #10 Big White White/White w/PR	13.19" x 7.28" (335 x 185 mm)	2 psi @ 15 gpm (0.14 bar @ 57 Lpm)
166083	1" #10 Big White White/White w/PR	13.19" x 7.28" (335 x 185 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
166141	1" #20 Big White White/White w/o PR	23.24" x 7.28" (590 x 185 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
166142	1" #20 Big White White/White w/PR	23.24" x 7.28" (590 x 185 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
166144	1-1/2" #20 Big White White/White w/PR	23.68" x 7.28" (601 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.

*NSF component listed

ACCESSORIES

PART #	DESCRIPTION
SH144880	BW/BC Wrench for Big Clear and Big White
SH144229	Cartridge Coupler for 4-1/2" Cartridges
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)

DISTRIBUTED BY:



Wrentham, MA

774-847-9540

sales@eastcoastfilter.com



13845 BISHOPS DR., SUITE 200, BROOKFIELD, WI 53005 USA

P: 262.238.4400 | WATERPURIFICATION.PENTAIR.COM | CUSTOMER CARE: 800.279.9404 | tech-support

@pentair.com

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