

3-Round Cartridge Filter Housings

Stainless Steel



Figure 1: 3-Round Cartridge Filter Housings**

**Shown with optional clamp on stand.

General Properties

Table 1: Specifications

Liquid Pressure Rating	150 psig (10.3 bar) @ 200°F (93°C)
Housing Material	316 Stainless Steel
Inlet/Outlet Connections	1-1/2 inch (3.81 cm) MNPT standard; Victaulic and flanges optional
Pre- and Post-Filter Gauge Ports	¼ inch (0.6 cm) FNPT ports for inlet
Upstream Vent Port	½ inch (0.6 cm) FNPT
Drain Port	½ inch (1.3 cm) MNPT
O-Ring Material	Buna-N standard; EPDM, Viton ¹ , and Teflon ¹ optional
Cartridge Lengths	20, 30, 40, or 50 inch filters (51, 76, 102, or 127 cm)
Finish	Satin Finish
Handles	Handles included on 30, 40, and 50 inch (76, 102, or 127 cm) housing domes

¹Viton and Teflon are trademarks of DuPont

Table 2: Features and Benefits

Stainless Steel Construction	Proven corrosion resistance and strength. Operating pressure to 150 psig (10.3 bar) at 200°F (93°C).
Side Inlet and Bottom Outlet	Side inlet is located below the level of the filters, providing non-impinging flow. The bottom outlet allows the housing to be drained completely and reduces the installation space required.
Universal Cup and Post Sealing	Provides lower seal for cartridge filters with open end knife-edge type, "222" O-ring, or "120" O-ring end adapters.
Hold-Down Plate	Provides upper seal for cartridge filters with patented Hytrex* self seal spring, open end knife-edge seal (when used with optional stainless steel cup-and-spring adapters), or fin adapters.
V-Clamp Closure	Quick and easy cartridge filter replacement reduces labor costs and downtime.
Clamp-On Stainless Steel Stand	An optional floor mounting stand allows adjustment of the housing height and the level of the inlet and outlet.



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Global Headquarters
Trevose, PA
+1-215-355-3300

Americas
Watertown, MA
+1-617-926-2500

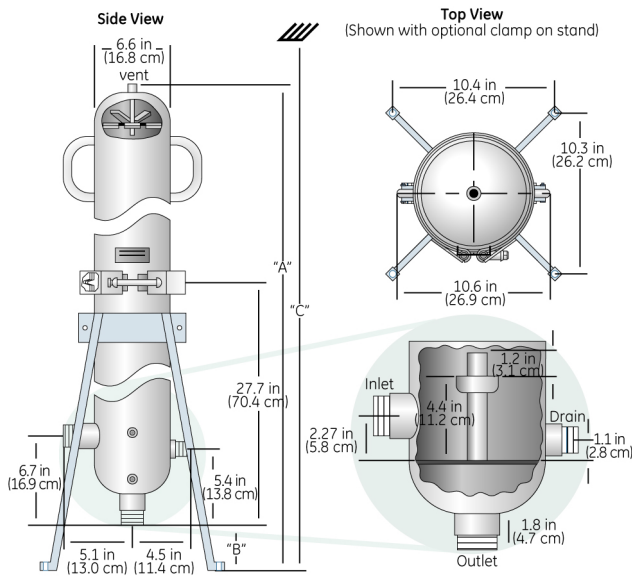
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B: Bottom of outlet can be as high as 10 inches (25.4 cm) above the floor or as low as 7.5 inches (19.0 cm) below the floor if mounted over a trench.

Figure 2: Housing Specifications

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Model	Flow Capacity ² gpm (Lpm)	Weight lb (kg)	"A" Length ³ inch (cm)	"C" Overall Length Required for Cartridge Removal ³ inch (cm)
HX320-1.5 ___-___-A	To 40 (151)	49 (22)	40 (102)	54 (137)
HX330-1.5 ___-___-A	To 50 (189)	55 (25)	50 (127)	68 (173)
HX340-1.5 ___-___-A	To 60 (227)	62 (28)	60 (152)	88 (224)
HX350-1.5 ___-___-A	To 70 (265)	69 (31)	70 (178)	108 (274)

²Flow rate is dependent upon cartridge filter selection, fluid properties, and maximum acceptable pressure drop.

³Based on B = 5 inches (12.7 cm) on dimensional drawing (this dimension is adjustable).

Table 4: Ordering Information –

Sample: HX320-1.5V-316-A

Hyrex Filter Housing	Number of Cartridges per Housing	Cartridge Length	Inlet/Outlet Size	Port Type	Housing Material 316SS	V-Band Clamp Closure
HX	3	-	1.5	-	316	A
		20 inch		V = Victaulic		
		30 inch		T = MNPT		
		40 inch		F = Flange		
		50 inch				

Accessories: Clamp-on legs, cup and spring assemblies (for double-open-end cartridges), pressure gauges and threaded or victaulic flanges are ordered separately.

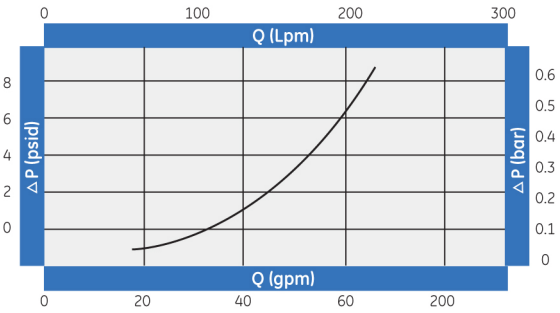


Figure 3: Pressure Drop vs. Flow Rate (Empty Housing)