

3-round HX cartridge filter housings

FACT SHEET

Stainless Steel



Figure 1: 3-Round Cartridge Filter Housings**

**Shown with optional clamp-on stand.

General Properties

Table 1: Specifications

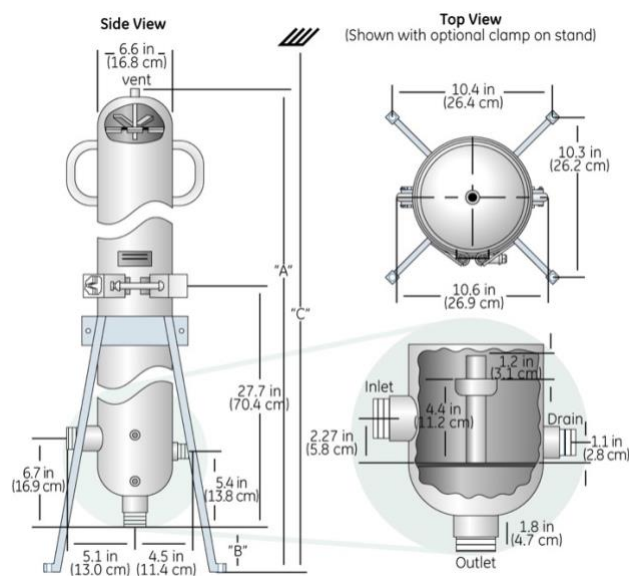
Liquid Pressure Rating	150 psig (10.3 bar) @ 200°F (93°C)
Housing Material	316 Stainless Steel
Inlet/Outlet Connections	1-1/2 inch (3.81 cm) MNPT standard; Victaulic and flanges optional
Pre- and Post-Filter Gauge Ports	1/4 inch (0.6 cm) FNPT ports for inlet
Upstream Vent Port	1/2 inch (0.6 cm) FNPT
Drain Port	1/2 inch (1.3 cm) MNPT
O-Ring Material	Buna-N standard; EPDM, Viton ¹ , and Teflon ¹ encapsulated Viton 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 (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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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

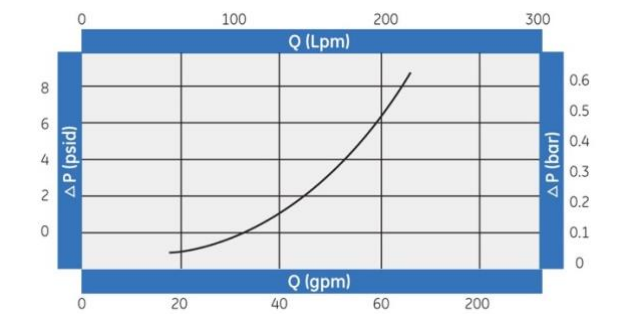


Figure 3: Pressure Drop vs. Flow Rate (Empty Housing)

Table 3: Housing

Model	Flow Capacity ² gpm (Lpm)	Weight lb (kg)	"A" Length ³ inch (cm)	"C" Overall Length Required for Cartridge Removal ³ inch (cm)
HX0320-1.5___-316-A	< 40 (151)	49 (22)	40 (102)	54 (137)
HX0330-1.5___-316-A	< 50 (189)	55 (25)	50 (127)	68 (173)
HX0340-1.5___-316-A	< 60 (227)	62 (28)	60 (152)	88 (224)
HX0350-1.5___-316-A	< 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: HX0320-1.5V-316-A

Hytrex Filter Housing	Number of Cartridges per Housing	Cartridge Length	Inlet/Outlet Size	Port Type	Housing Material 316SS	V-Band Clamp Closure
HX	03		1.5		316	A
		20 inch		V = Victaulic		
		30 inch		T = MNPT		
		40 inch		F = Flange		
		50 inch				

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Table 5: Optional Accessories

Part Number	Description
1226014	HX03 Accessories Kit (includes clamp-on stand, three spring-cup fittings and a PVC vent valve)
1162553	HX03 Clamp-on Stand, 316SS
1119540	Spring-cup Fitting, 316SS (necessary for double open end filters, three required)
1164157	Pressure Gauge, Back Mount, 316SS, 1/4" MNPT, 0-100 psig (6.9 bar)
1148050	HX03 EPDM Housing Seal
1148052	HX03 Viton Housing Seal
1162139	HX03 Teflon Encapsulated Viton Housing Seal



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