

7-Round HX Cartridge Filter Housings

FACT SHEET

Stainless Steel



Figure 1: 7-Round HX Cartridge Filter Housings**

**Shown with optional clamp on stand and pressure gauges.

Cartridge Filter Housings

Veolia Stainless Steel 7-Round Filter Housings (Figure 1) combine superior versatility with maximum value to meet the demands of a variety of applications. Each 7-round housing accommodates seven cartridge filters in 20-, 30-, 40- or 50-inch lengths (51, 76, 102, or 127 cm), and up to 2.75-inches (7 cm) in diameter. The innovative housings accept filters with a wide variety of end adapters. In addition, the V-band closure design simplifies cartridge filter replacement.

General Properties

Table 1: 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).
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. Height can be adjusted so that the outlet is lower than floor level.
Tungsten Inert Gas (TIG) Welding	All TIG welding is done at Veolia factories for the highest quality control.

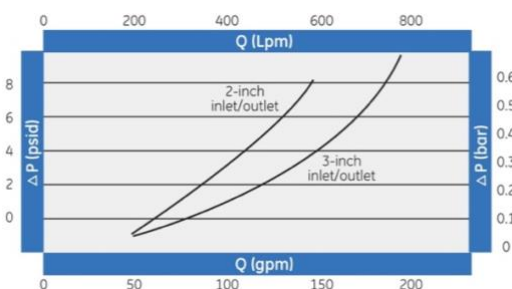
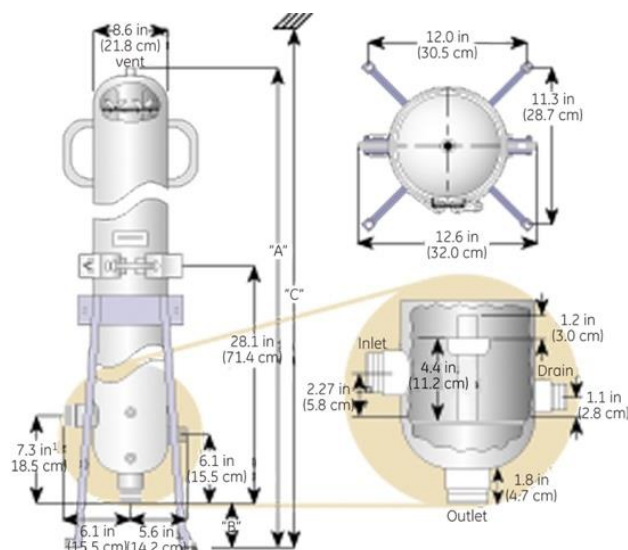


Figure 2: Pressure Drop vs. Flow Rate (Empty Housing)

Table 2: Specifications

Liquid Pressure Rating	150 psig @ 200° F (10.3 bar @ 93° C)
Housing Material	316 Stainless Steel
Inlet/Outlet Connections	2-inch (5.1 cm) MNPT standard [3" (7.62 cm) optional]; Victaulic and flanges optional
Pre- and Post-Filter Gauge Ports	1/4-inch (0.6 cm) FNPT ports for inlet and outlet pressure gauges
Upstream Vent Port	1/4-inch (0.6 cm) FNPT
Drain Port	1/2-inch (1.3 cm) MNPT
O-Ring Material	Buna-N Standard; EPDM, Viton ² and Teflon ² 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

² Viton and Teflon (trademarks of The Chemours Company)



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. 18.4 inch (21.3 cm) with flange connection.

Figure 3: Housing Specifications

Table 3: Housing Specifications

Model	Flow Capacity ³ gpm (Lpm)	Weight lb (kg)	"A" Length ³ inch (cm)	"C" Overall height required for cartridge removal ⁴ inch (cm)
HX0720____-316-A	< 70 (265)	64 (29)	40 (102)	54 (137)
HX0730____-316-A	< 105 (397)	72 (33)	50 (127)	68 (173)
HX0740____-316-A	< 140 (530)	81 (37)	60 (152)	88 (224)
HX0750____-316-A	< 175 (662)	90 (41)	70 (178)	108 (274)

³Flow rate is dependent upon cartridge filter selection, fluid properties, and maximum acceptable pressure drop.

⁴Based on B = 5 inches (12.7 cm) on dimensional drawing (this dimension is adjustable). Add 1 inch for housings with flanged ports

Table 4: Ordering Information – Sample: HX740-2.0T-316-A-222

Hytrex Filter Housing HX	Number of Cartridges Per Housing 07	Cartridge Length	-	Inlet / Outlet Size	Port Type	-	Housing Material 316SS 316	-	V-Band Clamp Closure A
		20-inch		2.0-inch	V=Victaulic (optional)				
		30-inch		3.0-inch	T=MNPT (standard)				
		40-inch			F=Flange (optional)				

Table 5: Optional Accessories

Part Number	Description
1226015	HX07 Accessories Kit (includes clamp-on stand, seven spring-cup fittings and a PVC vent valve)
1162552	HX07 Clamp-on Stand, 316SS
1119540	Spring-cup Fitting, 316SS (necessary for double open-end filters, seven required)
1164157	Pressure Gauge, Back Mount, 316SS, 1/4" MNPT, 0-100 psig (6.9 bar)
1148053	HX07 EPDM Housing Seal
1148055	HX07 Viton Housing Seal
1162140	HX07 Teflon Encapsulated Viton Housing Seal

LENNTECH
WATER TREATMENT SOLUTIONS

info@lenntech.com Tel. +31-152-610-900

www.lenntech.com Fax. +31-152-616-289