

UMO Series Filter Housings

Industrial ASME Code High Pressure, Multi-Cartridge Filter Housings

- Accepts Six 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm) or 40" (102 cm) DOE Style Filter Cartridges
- Standard Materials of Construction are Carbon Steel or 316 Stainless Steel. 316L Stainless Steel is Available as an Option. Contact Pall for Details.
- 300 psig (20.7 bar) Maximum Operating Pressure Permits Use in a Wide Range of Applications
- Housings Can Be Modified to Accept M3 (Code 3) Style Filter Cartridges
- Multiple Eyebolt Design Allows Quick, Easy Cartridge Change-Out
- Accu-Seal™ Sealing Device and Uni-Seal™ Sealing Device Options are Available

Housing Specifications

Maximum Operating Pressure:

Carbon Steel: 300 psig (20.7 bar) @ 500°F (260°C)

Stainless Steel: 300 psig (20.7 bar) @ 200°F (93°C)

Construction:

Standard: ASME UM Stamp¹

Optional: ASME U Stamp

Connections:

Inlet/Outlet: 2" NPT

Drain: ½" NPT

Vent: ¼" NPT

Connection Option:

300 lb. ANSI, 2" slip-on flanges

Shell O-Rings:

Nitrile (standard), Silicone Elastomer, Neoprene, Ethylene Propylene, Fluorocarbon Elastomer

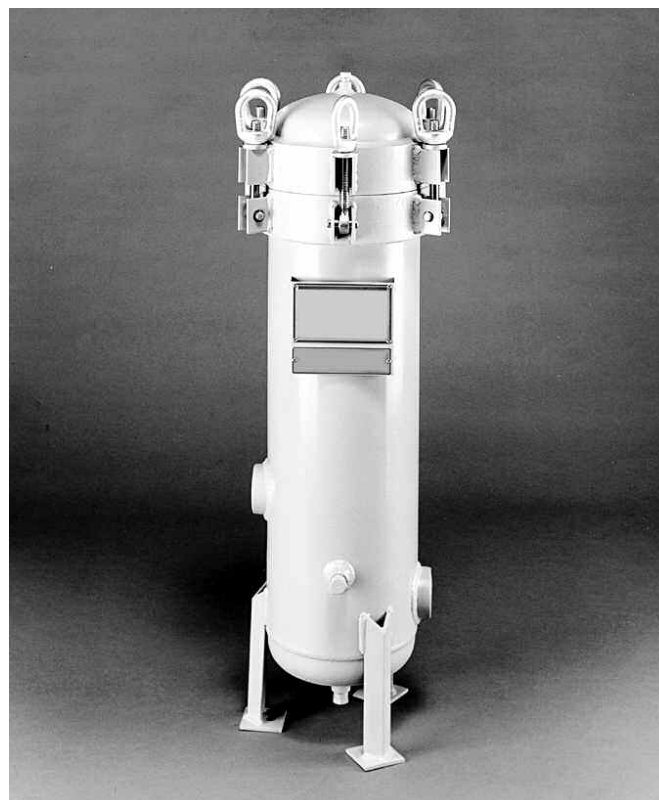
Closure Bolts:

Zinc Plated Carbon Steel (standard)²

Reverse Flow Option:

Housings can be modified for reverse flow applications.

Consult factory for further information.



Internal Components:

The universal seat plate is made of 316L stainless steel for both the carbon steel and 316 stainless steel vessels. Top seat plate assemblies and tube guides are standard with internal parts option. Accu-Seal sealing and Uni-Seal sealing mechanisms are optional.

¹ Certain UMO Series housings require ASME U stamp.

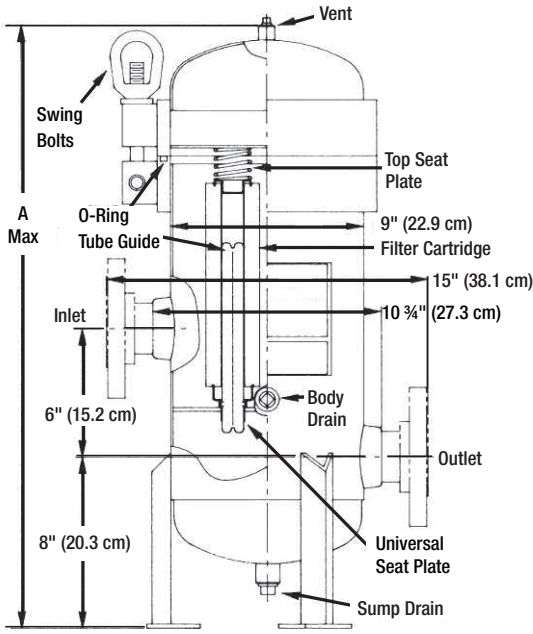
² Stainless materials are optional and require design considerations. For inquiries contact the factory.

³ Flow rates listed are for depth cartridges. Consult factory for more specific information.

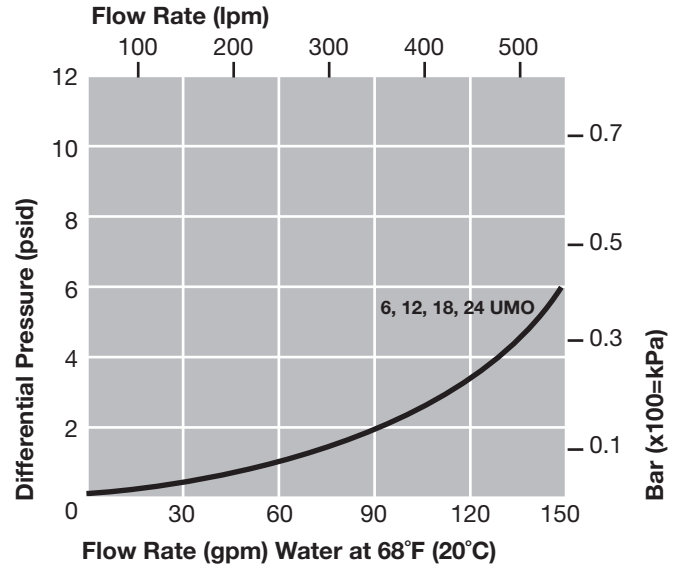
Dimensional Data

Model	Flow Rate ³ gpm (lpm)	No. of 10" Equivalents	"A" Maximum Height in (cm)	Dry Weight lb (kg)
Carbon Steel				
6UMO1	to 30 (114)	6	29 (73.7)	85 (39)
12UMO2	to 60 (227)	12	39 (99.1)	95 (43)
18UMO3	to 90 (341)	18	50 (127.0)	105 (48)
24UMO4	to 120 (454)	24	60 (152.4)	115 (52)
316 Stainless Steel				
6UMO1S	to 30 (114)	6	29 (73.7)	85 (39)
12UMO2S	to 60 (227)	12	39 (99.1)	95 (43)
18UMO3S	to 90 (341)	18	50 (127.0)	105 (48)
24UMO4S	to 120 (454)	24	60 (152.4)	115 (52)

Dimensional Drawing - Side View



Housing Differential Pressure vs. Liquid Flow Rate



For liquids other than water, multiply differential pressure by specific gravity.

Part Numbers/Ordering Information

■ UMO ● ▽ - 2 ▼ - C300 ▾ - ☉ (e.g., 6UMO1S-2F-C300U-IP)

Code	No. of 10" Equivalents
6	6
12	12
18	18
24	24

Code	No. of Decks
1	1
2	2
3	3
4	4

Code	Materials of Construction
Blank	Carbon Steel
S	316 Stainless Steel

Code	ASME Stamp Designation
U	U Stamp
UM	UM Stamp

Code	Connection Styles
Blank	NPT
F	Flange

Code	Internal Parts ⁴
Blank	No Internal Parts
IP	Internal Parts

⁴ Standard vessels include internal parts of top seat plates and tube guides. Basic vessels without internal parts may be ordered as non-stock items.



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