

LMO Series Filter Housings

Accepts 4 in (10.2 cm), 10 in (25.4 cm),
20 in (50.8 cm), or 30 in (76.2 cm) Double Open End
Filter Cartridges¹

- Operating pressure to 175 psig (12.1 bar) @ 200°F (93°C) permits use in a wide range of applications
- Cast iron, brass, or 316 stainless steel materials of construction
- In-line inlet and outlet connections for easy installation
- Optional T-handle permits replacement of filter cartridge without tools

Housing Specifications

Maximum Operating Pressure:

175 psig (12.1 bar) @ 200°F (93°C)

NOTE: Maximum operating pressure ratings are vessel ratings only. Safe operating temperature and pressure will depend on filter cartridge and gasket/O-ring used. For inquiries on compatibility, contact the factory or your Pall distributor.

Construction:	Head	Shell
LMO:	Cast Iron ²	316 Stainless Steel
LMOB:	Cast Brass	316 Stainless Steel
LMOS:	Cast 316 Stainless Steel	316 Stainless Steel

Connections:

Inlet/Outlet:	$\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ ", or 1" NPT
Drain: LMO:	Drain Plug, 316 Stainless Steel, $\frac{1}{4}$ " NPT
LMOB:	Petcock, Brass, $\frac{1}{4}$ " NPT
LMOS:	Drain Plug, 316 Stainless Steel, $\frac{1}{4}$ " NPT

Shell O-rings: Ethylene Propylene (standard),
Nitrile, FEP, Fluorocarbon Elastomer,
Neoprene, Silicone Elastomer

Cover

Nut O-ring: FEP (standard)

Bracket Option:

Nickel plated steel brackets are available as standard option.

T-Handle Option:

T-handle cover nuts are available in carbon steel or 316 stainless steel. Standard units are supplied with hex nuts.

Flange Option:

150 lb. ANSI raised face flanges are available for $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1" LMOS stainless units only.

NOTE: Non-compressible filters such as pleated, carbon, and membrane cartridges are not recommended for use with this housing. LMO Spring Seal and LMO Vari-Seal™ housings are designed to accommodate non-compressible filter cartridges. For metallic filter cartridges use the LMO Vari-Seal housings only.

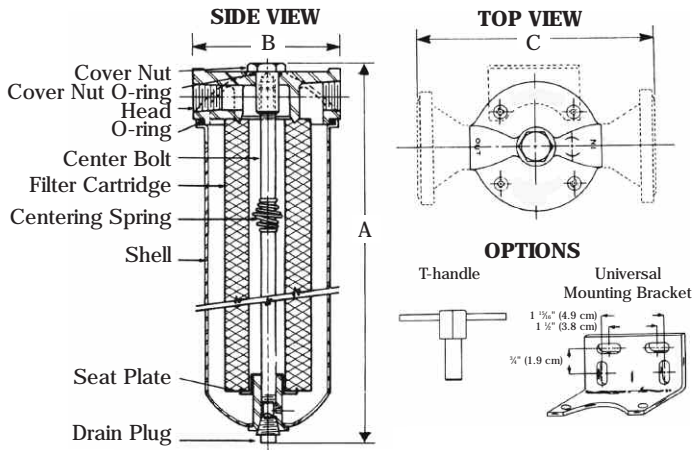


¹ When fitting with 4 in (10.2 cm) DOE membrane filters, please order filters under Code 550 to assure proper fit.

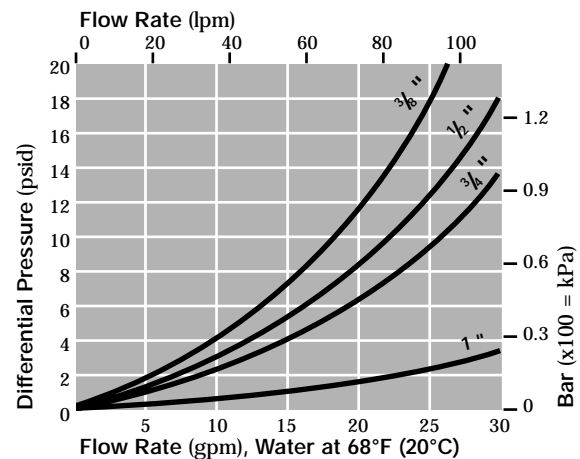
² Painted exterior.

Dimensional Data (nominal)

Model	Flow Rate ³ gpm (lpm)	Dimensions inches (cm)			Weight lb (kg)
		A	B	C	
LMO4 - 3/8	to 4 (15.1)	7 1/4 (18.4)	4 3/4 (12.1)	-	2 3/4 (1.3)
LMO10 - 3/8	to 10 (37.9)	13 1/2 (39.3)	4 3/4 (12.1)	-	6 (2.7)
LMO10 - 1/2	to 10 (37.9)	13 1/2 (39.3)	4 3/4 (12.1)	-	6 1/4 (2.8)
LMO10 - 3/4	to 10 (37.9)	13 1/2 (39.3)	4 3/4 (12.1)	-	6 1/4 (2.8)
LMO10 - 1	to 10 (37.9)	13 1/2 (39.3)	4 3/4 (12.1)	-	6 3/4 (3.1)
LMO20 - 3/8	to 20 (75.7)	23 3/8 (59.4)	4 3/4 (12.1)	-	8 1/2 (3.9)
LMO20 - 1	to 20 (75.7)	23 3/8 (59.4)	4 3/4 (12.1)	-	9 (4.1)
LMO4B - 3/8	to 4 (15.1)	7 7/8 (20)	4 3/4 (12.1)	-	2 3/4 (1.3)
LMO10B - 3/8	to 10 (37.9)	14 (35.6)	4 3/4 (12.1)	-	6 (2.7)
LMO10B - 1/2	to 10 (37.9)	14 (35.6)	4 3/4 (12.1)	-	6 1/4 (2.8)
LMO10B - 3/4	to 10 (37.9)	14 (35.6)	4 3/4 (12.1)	-	6 1/4 (2.8)
LMO10B - 1	to 10 (37.9)	14 (35.6)	4 3/4 (12.1)	-	6 3/4 (3.1)
LMO20B - 3/8	to 20 (75.7)	24 1/8 (61.3)	4 3/4 (12.1)	-	8 1/2 (3.9)
LMO20B - 1	to 20 (75.7)	24 1/8 (61.3)	4 3/4 (12.1)	-	9 (4.1)
LMO30B - 3/8	to 30 (113.6)	34 (86.4)	4 3/4 (12.1)	-	10 (4.5)
LMO30B - 1	to 30 (113.6)	34 (86.4)	4 3/4 (12.1)	-	10 1/2 (4.8)
LMO4S - 1/2	to 4 (15.1)	7 1/4 (18.4)	4 3/4 (12.1)	-	4 (1.8)
LMO10S - 1/2	to 10 (37.9)	13 1/2 (34.3)	4 3/4 (12.1)	-	6 1/4 (2.8)
LMO10S - 3/4	to 10 (37.9)	13 1/2 (34.3)	4 3/4 (12.1)	8 7/8 (22.5)	6 1/4 (2.8)
LMO10S - 1	to 10 (37.9)	13 1/2 (34.3)	4 3/4 (12.1)	9 1/8 (23.2)	6 3/4 (3.1)
LMO20S - 3/8	to 20 (75.7)	23 1/2 (59.7)	4 3/4 (12.1)	8 7/8 (22.5)	8 1/2 (3.9)
LMO20S - 1	to 20 (75.7)	23 1/2 (59.7)	4 3/4 (12.1)	9 1/8 (23.2)	9 (4.1)
LMO30S - 3/8	to 30 (113.6)	33 1/2 (85.1)	4 3/4 (12.1)	8 7/8 (22.5)	10 (4.5)



Housing Differential Pressure vs. Liquid Flow Rate



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

Part Numbers/Ordering Information

LMO ● ◆ - ◆ ▼ (e.g., LMO100S-3/4 F)

Code	Cartridge Lengths	Code	Materials of Construction
●		◆	
4 ¹	4"	Blank	Cast Iron and 316 Stainless Steel
10	10"	B	Cast Brass and 316 Stainless Steel
20	20"	S	316 Stainless Steel
30 ⁴	30"		

Code	Connection Sizes	Code	Connection Styles
◆		▼	
3/8	3/8"	Blank	NPT
1/2	1/2"	F	Flange
3/4	3/4"		
1	1"		

³ Dependent upon cartridge selection, fluid viscosity and allowable pressure drop at various flow rates. Refer to cartridge nomograph to determine initial pressure drop of filter cartridge.

⁴ NOT AVAILABLE with cast iron head and carbon shell.



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