

## LMO Vari-Seal™ Series Filter Housings

### Unique, Variable-Length Filter Cartridge Sealing System

- Fail-safe cartridge sealing device provides pre-closure assurance of no fluid bypass
- Accepts cartridge length variations up to 3.8 cm (1.5 in)
- Seals nearly all conventional DOE filter cartridges
- Ensures sealing of non-compressible cartridges such as pleated and metallic elements
- High pressure models available for applications up to 69 bar (1000 psig) @ 121°C (250°F)

### Housing Specifications

#### Maximum operating pressure

Standard: 17.2 bar (250 psig) @ 121°C (250°F)

High pressure: 51.7 bar (750 psig) @ 121°C (250°F)

VHP: 69 bar (1000 psig) @ 121°C (250°F)

#### Materials of construction

316 stainless steel

#### Connections

Inlet/Outlet: ¾" NPT

Drain: ¼" NPT

**Shell O-rings** Ethylene propylene (standard), nitrile, FEP, fluorocarbon elastomer, neoprene, silicone elastomer

#### Eye nut option

Eye nuts can be substituted for standard hex nuts. Order Part #10640-030. Eye nuts are standard with flanged units.

#### Flange option

150 lb., 300 lb., or 600 lb. ANSI raised face ¾" flanges are available.

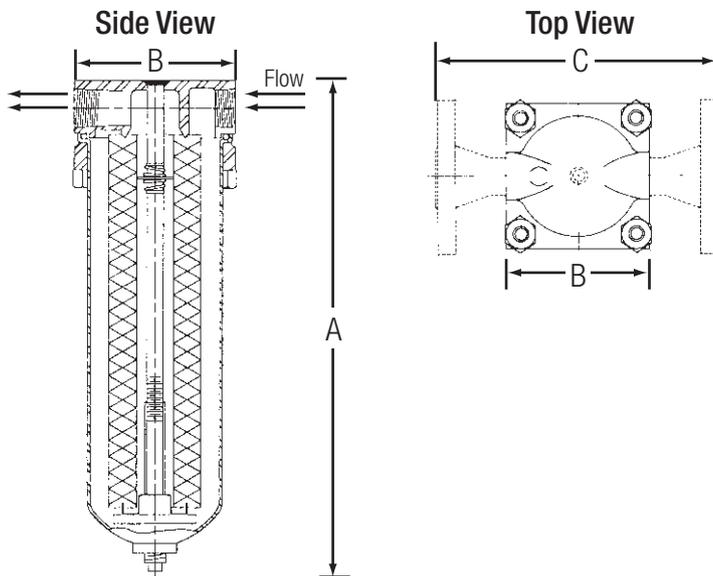


## Dimensional Data (nominal)

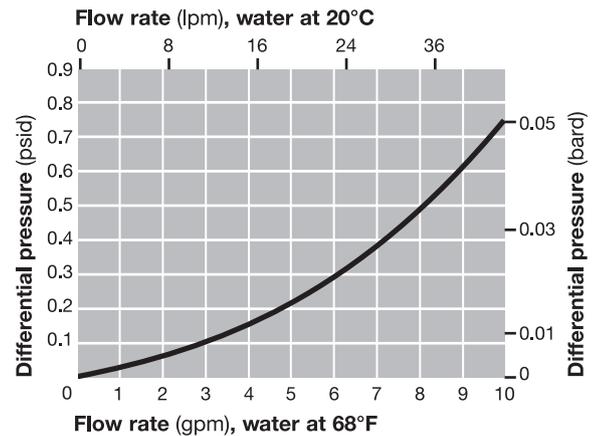
Model	Liquid <sup>1</sup> Flow Rate lpm (gpm)	Gas <sup>2</sup> Flow Rate scfm	Pipe Connections cm (in)	Dimensions cm (in)			Weight kg (lb)	Sealing Latitude cm (in)
				A	B	C		
LMOVS10S - ¾	to 37.9 (10)	125	1.9 (¾ NPT)	33 (13)	11.1 (4.375)	21.6 (8.5)	4.1 (9)	22.2 - 26 (8.75 - 10.25)
LMOVS20S - ¾	to 75.7 (20)	125	1.9 (¾ NPT)	58.4 (23)	11.1 (4.375)	21.6 (8.5)	5.9 (13)	47.6 - 51.4 (18.75 - 20.25)
LMOVS10S - ¾ (V)HP	to 37.9 (10)	225	1.9 (¾ NPT)	33 (13)	11.1 (4.375)	22.5 (8.875)	4.1 (9)	47.6 - 51.4 (8.75 - 10.25)
LMOVS20S - ¾ (V)HP	to 75.7 (20)	225	1.9 (¾ NPT)	58.4 (23)	11.1 (4.375)	22.5 (8.875)	5.9 (13)	47.6 - 51.4 (18.75 - 20.25)

<sup>1</sup> Dependent upon cartridge selection, fluid viscosity and allowable pressure drop.

<sup>2</sup> Housing pressure drop less than 0.07 bar (1 psig).



## Housing Differential Pressure vs. Liquid Flow Rate



Unit Conversion: 1 bar = 100 kPa

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

## Ordering Information

Pall Part Number = LMOVS  S - ¾

Table 1

Code	Cartridge lengths (cm/in)
10	25.4/10
20	50.8/20

Table 2

Code	Connection styles
Blank	NPT
F	Flange

Table 3

Code	Pressure ratings
Blank	17.2 bar (250 psig) @ 121°C (250°F)
HP	51.7 bar (750 psig) @ 121°C (250°F)
VHP	68.9 bar (1000 psig) @ 121°C (250°F)



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