

VP Series Filter Housing



Description

The VP series filter housing is constructed from virgin polypropylene and contains no talc, fillers, glass, colorants, plasticizers, or lubricants. This makes the VP housing the ideal choice for low flow liquid applications such as slurries, compatible chemicals, and DI water.

- Accepts single open ended 222 O-ring style filter cartridges
- Virgin polypropylene
- Accepts 4" / 102 mm or 10" / 254 mm nominal cartridge lengths
- Optional mounting bracket in stainless steel (not included)

Specifications

Materials of Construction

Head/Bowl:

- Virgin polypropylene

Shell O-ring:

- EPDM, Buna N, Viton¹ A

Configurations

Inlet/Outlet connections:

- 3/4" FNPT

Vent/Drain:

- 1/4" NPT

Cartridge adaptor:

- Code 3, 8

Operating Conditions

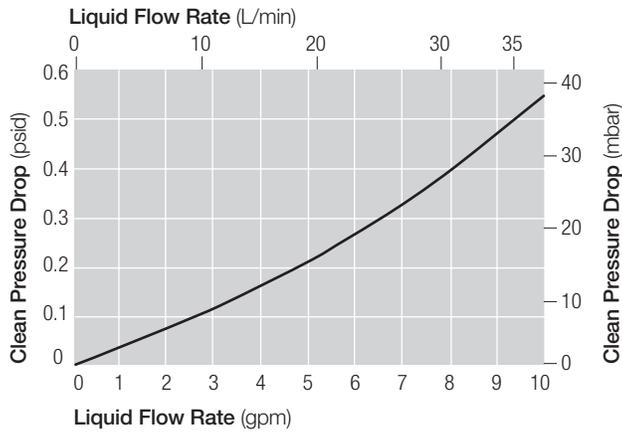
Maximum operating pressure:

- 100 psig / 6.9 bar @ 125°F / 52°C
- 125 psig / 8.6 bar @ 68°F / 20°C

Note: Maximum operating pressure ratings are vessel ratings only. Safe operating temperature and pressure will depend on filter cartridge, gasket use and fluid compatibility. For inquiries on compatibility, contact Pall Microelectronics.

¹ Viton is a trademark of DuPont Dow Elastomers

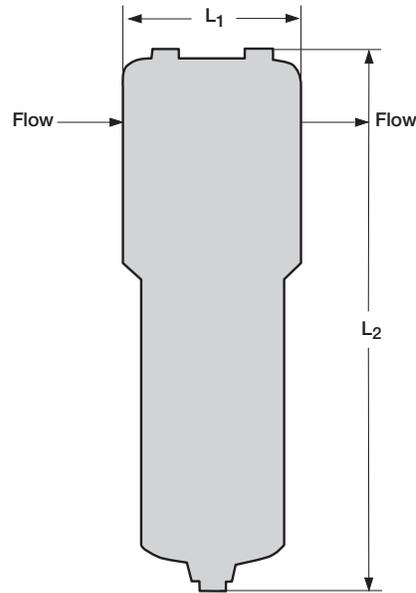
Pressure Drop vs. Liquid Flow Rate²



² For liquids other than water, multiply the pressure drop by the specific gravity of the fluid.

Pressure drop curve represents an empty housing.

Dimensions



Dimensions

Model	Liquid Flow Rate (gpm / L/min)	Dimensions (in / mm)	
		L ₁	L ₂
VP4 - 3/4" - 222	4 / 15	4 7/8" / 124	8 7/8" / 225
VP10 - 3/4" - 222	10 / 38	4 7/8" / 124	17 1/2" / 445

Part Numbers / Ordering Information

Part Number	Cartridge Length (in / mm)	Inlet/Outlet	O-Ring
VP4 - 3/4" - 222	4 / 102	3/4" FNPT	EPDM
VP4 - 3/4" - 222 - N	4 / 102	3/4" FNPT	Buna N
VP4 - 3/4" - 222 - V	4 / 102	3/4" FNPT	Viton A
VP10 - 3/4" - 222	10 / 254	3/4" FNPT	EPDM
VP10 - 3/4" - 222 - N	10 / 254	3/4" FNPT	Buna N
VP10 - 3/4" - 222 - V	10 / 254	3/4" FNPT	Viton A

Unit conversion: 1 bar = 100 kilopascals



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