

PPS Non-Metallic Series Filter Housings



Data Sheet MEPPSEN

Durable, Corrosion Resistant Design for Liquid Applications

- Polypropylene head with choice of polypropylene or SAN¹ shells
- Cost effective alternative to stainless steel in aggressive fluid applications
- Housing designed to accept DOE and Pall's M10 (Code 10) and M20 (Code 20) internal O-ring seal filter cartridges
- Fixed guides ensure proper alignment and seating of cartridges
- Optional mounting bracket assemblies in two styles
- SAN / polypropylene combination offers excellent compatibility and on-site observation of flow, life and performance
- Available with pressure relief button on inlet side of cap



Specifications

Materials of Construction

		PPS-U	PPS-UP
Head ²		Polypropylene	Polypropylene
Shell		Polypropylene	SAN (Styrene Acrylonitrile) ¹
Standard Colors		Blue head and blue shell	Blue head and clear shell
Shell O-rings		Nitrile (standard), Silicone elastomer, Fluorocarbon elastomer	
Connections	Inlet / Outlet	3/4" NPT	
Options	Pressure Relief Button	Specify - PR on ordering information	
	Mounting Bracket Assembly	Order separately "U" Style Bracket: Part # T11018031 "L" Style Bracket: Part # T11018030	
Maximum Operating Pressure		0.86 MPa @ 52 °C / 125 psig @ 125 °F	

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 Pall or your local Pall distributor.

¹ SAN available in 25.4 cm (10 in) only

² Housing head has mounting bosses which accept self-tapping screws for attaching the "L" style bracket to housing. "U" style bracket mounts over the inlet/outlet piping.

Cartridge Specification Table

Configuration	Cartridge Lengths	
	254 mm / 10 in	508 mm / 20 in
DOE (Pleated)	249 mm / 9.8 in	508 mm / 20 in
DOE (Depth)	251 mm / 9.875 in	508 mm / 20 in
M10 / M20	254 mm / 10 in	508 mm / 20 in

NOTE : If a silicone free housing is required, Pall recommends using the LMO metallic housing.

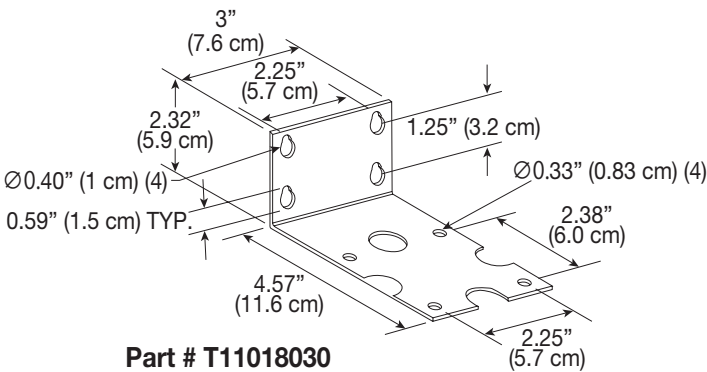
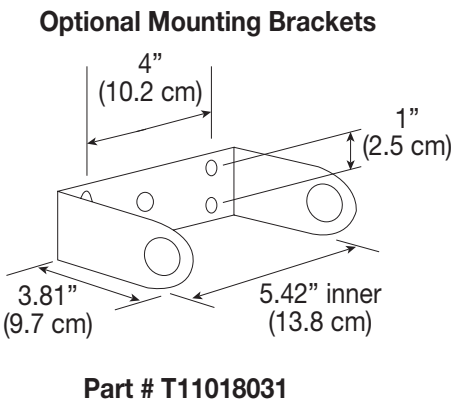
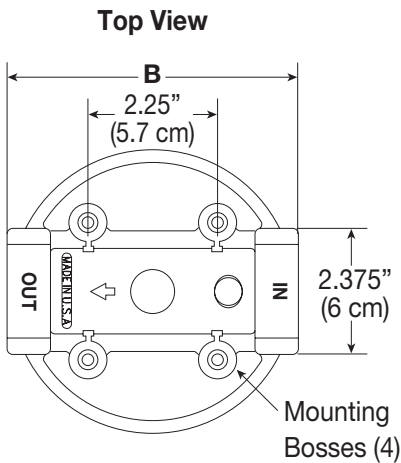
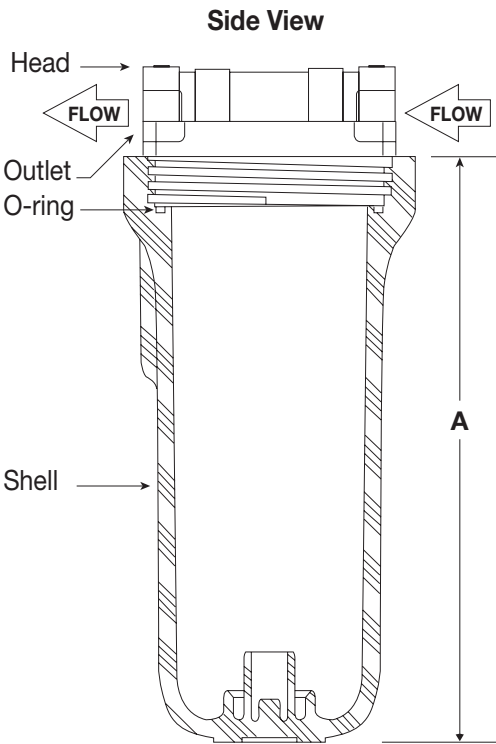
Selection Criteria

	PPS-U	PPS-UP
Ultra Violet Light	Recommended	Fair
Strong Acid	Recommended	Fair
Weak Acid (< 20 %)	Recommended	Recommended
Organic Solvent	Recommended	Not recommended
Strong Oxidizing Agent	Recommended	Not tested
Weak Base (< 20 %)	Recommended	Recommended
Strong Base	Recommended	Fair

Dimensions (nominal)

Part Numbers	Liquid Flow Rate ³	Dimensions		Weight
		A	B	
PPS10U- 3/4	to 28 lpm / 7.5 gpm	311 mm / 12.25 in	130 mm / 5.125 in	1.8 kg / 4.0 lb
PPS10UP- 3/4	to 28 lpm / 7.5 gpm	308 mm / 12.125 in	130 mm / 5.125 in	1.4 kg / 3.0 lb
PPS20U- 3/4	to 28 lpm / 7.5 gpm	568 mm / 22.375 in	130 mm / 5.125 in	2.0 kg / 4.4 lb

³ Dependent upon cartridge selection, fluid viscosity, and allowable pressure drop.



Part Numbers / Ordering Information

PPS 1 2 - 3/4 3

Table 1

Code	Cartridge Lengths
10	254 mm / 10 in
20	508 mm / 20 in

Table 2

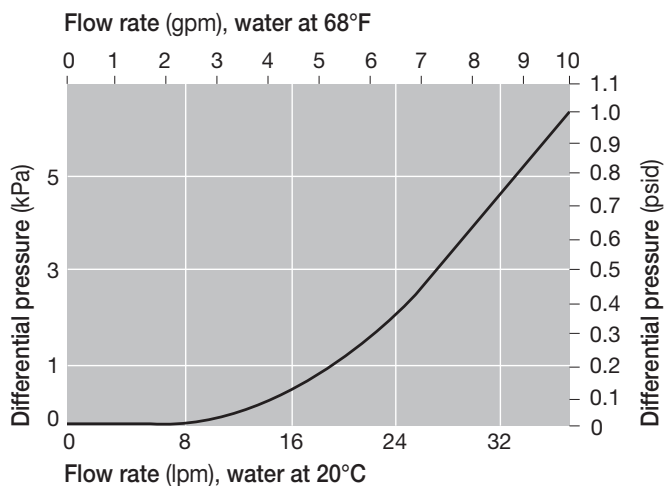
Code	Materials of Construction (Shell)
U	Polypropylene (20 in only)
UP	SAN (10 in only)

Table 3

Code	Pressure Relief
PR	Pressure relief button
Blank ⁴	No pressure relief button

⁴ Available only with PPS10U - 3/4 and PPS10UP - 3/4 models.

Housing Differential Pressure vs. Liquid Flow Rate



This housing is not recommended for compressed air or gas service. It is suitable for use with fully compatible* liquids only. This housing is not recommended for acid service at the pressure shown. Please contact Pall for detailed compatibility information.

* which do not soften, swell or adversely affect the product or its materials of construction.

NOTE: Use of this product in a manner other than in accordance with Pall's current recommendations may lead to injury or loss. Pall cannot accept liability for such injury or loss.



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Pall Corporation has offices and plants throughout the world. To locate the Pall office or distributor nearest you, visit www.pall.com/contact.

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

IF APPLICABLE Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

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