

## PPS Non-Metallic Series Filter Housings

### Durable, Corrosion Resistant Design for Liquid Applications

- Polypropylene Head with choice of Polypropylene or SAN<sup>1</sup> Shells
- Cost Effective Alternative to Stainless Steel in Aggressive Fluid Applications
- Housing Designed to Accept DOE and Pall M10 (Code 10) and M20 (Code 20) Internal O-ring Seal Filter Cartridges
- Manufactured from Materials, which are Listed for Food Contact Applications in Title 21 of the U.S. **Code of Federal Regulations**
- 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

### Housing Specifications

#### Maximum Operating Pressure:

125 psig (8.6 bar) @ 125°F (52°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 <sup>2</sup>	Shell
PPS-U:	Polypropylene	Polypropylene
PPS-UP:	Polypropylene	SAN (Styrene Acrylonitrile) <sup>1</sup>

#### Connections:

Inlet/Outlet: 3/4" NPT

#### Shell O-rings:

Buna N (standard), Viton<sup>3</sup> A, Silicone Elastomer

#### Standard Colors:

PPS-U: Blue head and blue shell  
PPS-UP: Blue head and clear shell

#### Options:

Pressure Relief Button: Specify -PR on ordering information  
Mounting Bracket Assembly: Order Separately  
"U" Style Bracket: Part # T11018031  
"L" Style Bracket: Part # T11018030

<sup>1</sup> SAN available in 10" only

<sup>2</sup> 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.

<sup>3</sup> Registered trademark of DuPont Dow.



### Cartridge Specification Table

Configuration	Cartridge Lengths (inches)	
	10 (25.4 cm)	20 (50.8 cm)
DOE (Pleated)	9.8 (24.9 cm)	20 (50.8 cm)
DOE (Depth)	9.875 (25.1 cm)	20 (50.8 cm)
M10/M20	10 (25.4 cm)	20 (50.8 cm)

*NOTE: If 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

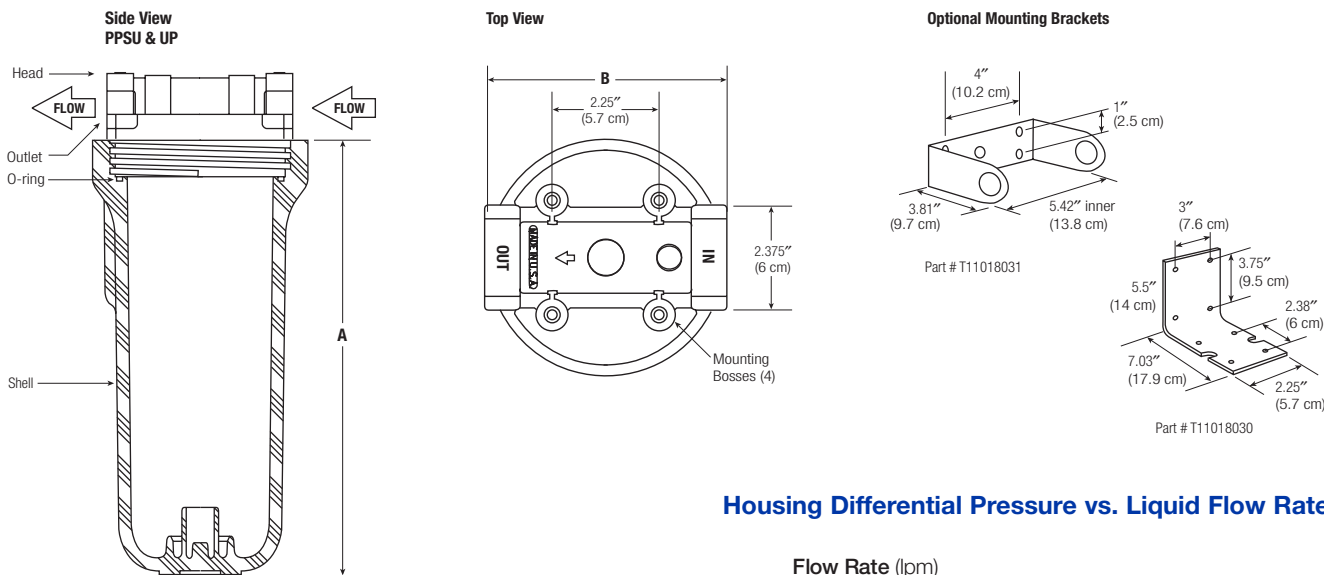
*Use of this product in a manner other than in accordance with Pall's current recommendations may lead to injury or loss. Pall cannot accept liability for such injury or loss.*

**PPS NON-METALLIC SERIES FILTER ASSEMBLIES SHOULD NOT BE USED WITH FLUIDS INCOMPATIBLE WITH THE MATERIALS OF CONSTRUCTION, INCLUDING CLEANING AGENTS. INCOMPATIBLE MATERIALS ARE THOSE, WHICH CHEMICALLY ATTACK, SOFTEN, STRESS CRACK OR ADVERSELY AFFECT THE MATERIALS OF CONSTRUCTION IN ANY WAY. USERS SHOULD CHECK THE COMPATIBILITY OF PROCESS FLUIDS BEFORE USE.**

## Dimensional Data (nominal)

Model	Liquid Flow Rate <sup>3</sup> (gpm)	Dimensions (inches)		Weight (pounds)
		A	B	
PPS10U- <sup>3</sup> / <sub>4</sub>	to 7.5 (28 lpm)	12 1/4 (31.1 cm)	5 1/8 (13 cm)	4.0 (1.8 kg)
PPS10UP- <sup>3</sup> / <sub>4</sub>	to 7.5 (28 lpm)	12 1/8 (30.8 cm)	5 1/8 (13 cm)	3.0 (1.4 kg)
PPS20U- <sup>3</sup> / <sub>4</sub>	to 15 (57 lpm)	22 3/8 (56.8 cm)	5 1/8 (13 cm)	4.4 (2.0 kg)

<sup>3</sup> Dependent upon cartridge selection, fluid viscosity, and allowable pressure drop.



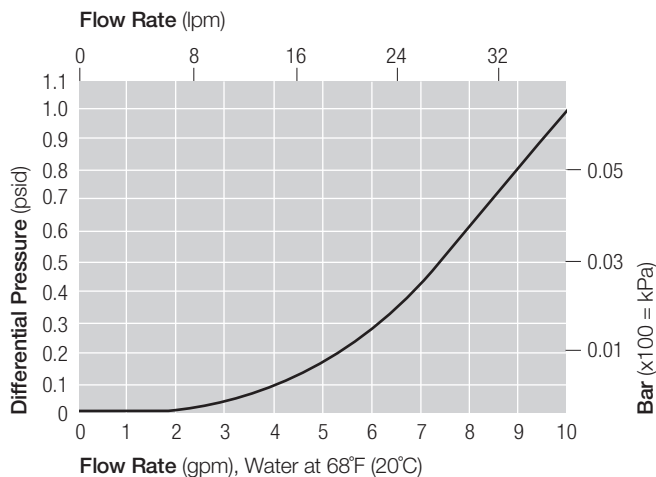
## Part Numbers/Ordering Information

PPS ● ▶ - 3/4 - [ (e.g., PPS20U-<sup>3</sup>/<sub>4</sub>-PR)

Code	Cartridge Lengths	Code	Materials of Construction (Shell)
●		▶	
10	10"	U	Polypropylene (20" only)
20	20"	UP	SAN (10" only)

Code	Pressure Relief
[	
PR	Pressure Relief Button
Blank	No Pressure Relief Button

## Housing Differential Pressure vs. Liquid Flow Rate



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



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