

SCO Series Filter Housings

Durable, Corrosion Resistant Plastic Single Cartridge Housing

- Cost effective polypropylene or styrene acrylonitrile (SAN) single cartridge housings
- Designed for liquid filtration in light industrial and light commercial applications
- Housing designed to accept 25.4 cm (10 in) DOE filter cartridges and internal 120 O-ring seal filter cartridges¹
- Fixed guides in head and shell ensure proper alignment and seating of cartridges
- Available with various mounting options for user convenience
- Head available with brass mounting inserts

Housing Specifications

Maximum operating pressure

SCO U: 8.6 bar (125 psig) @ 52°C (125°F)

SCO UP: 8.6 bar (125 psig) @ 38°C (100°F)

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

Construction	Head ²	Shell
SCO U:	Polypropylene	Polypropylene
SCO UP:	Polypropylene	SAN

Connections

Inlet/outlet: 3/4" NPT

Shell O-ring

Nitrile

Standard colors

SCO U: Blue head and blue bowl

SCO UP: Blue head and clear bowl

Mounting bracket assembly

An optional mounting bracket assembly is available for quick and easy installation. Head available with mounting inserts.



Selection Criteria

	SCO-U	SCO-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

This housing is not recommended for compressed air or gas service. It is suitable for use with fully compatible³ liquids only. This housing is not recommended for acid service at the pressure shown. Please contact Pall for detailed compatibility information.

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.

¹ 24.77 cm (9.75 in) cartridges require the use of a 1/4 inch spacer.

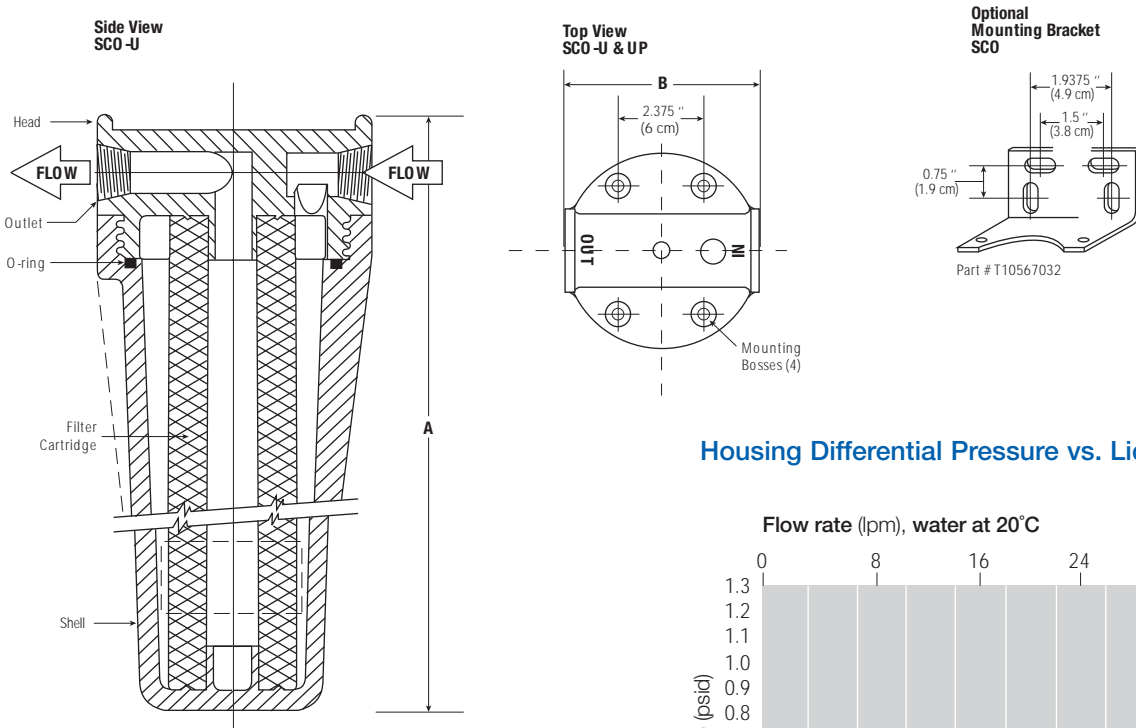
² Housing head has mounting bosses, which accept self-tapping screws for attaching bracket to the housing.

³ Which do not soften, swell or adversely effect the product or its materials of construction.

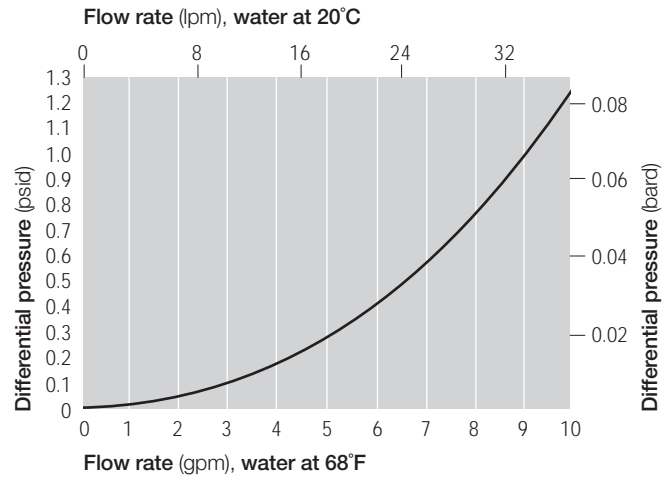
Dimensional Data (nominal)

Model	Liquid Flow Rate ⁴ lpm (gpm)	Dimensions cm (in)		Weight kg (lb)
		A	B	
SCO UP	to 37.9 (10)	32.1 (12.6)	13.7 (5.4)	1.6 (3.5)
SCO U	to 37.9 (10)	32.1 (12.6)	13.7 (5.4)	1.6 (3.5)

⁴ Dependent upon cartridge selection, fluid viscosity and allowable pressure drop.



Housing Differential Pressure vs. Liquid Flow Rate



Unit conversion: 1 bar = 100 kpa
For liquids other than water, multiply differential pressure by the specific gravity of the fluid.

Ordering Information

Pall Part Number = SCO 10 1 2 - 3/4

Table 1

Code	Materials of construction
U	Polypropylene
UP	Polypropylene and SAN

Table 2

Code	Inserts
Blank	No inserts
I	Inserts in head



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Produced in the USA

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