

## 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 cartridges<sup>1</sup>
- 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 <sup>2</sup> | 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 compatible<sup>3</sup> 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.

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

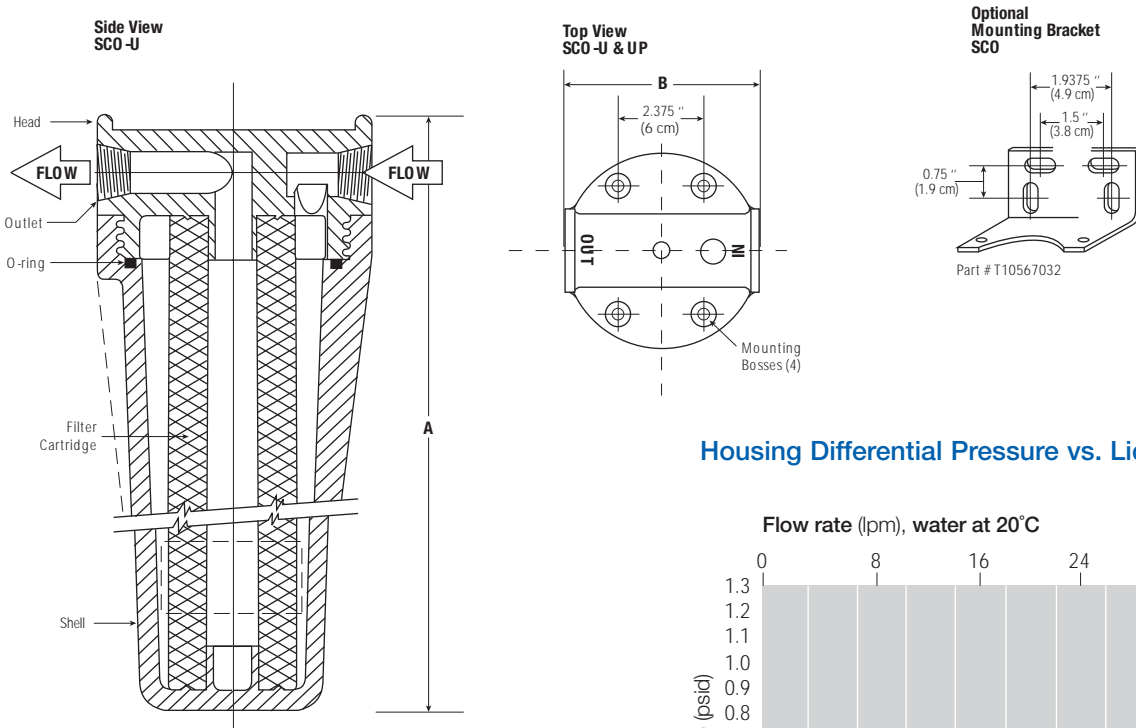
<sup>2</sup> Housing head has mounting bosses, which accept self-tapping screws for attaching bracket to the housing.

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

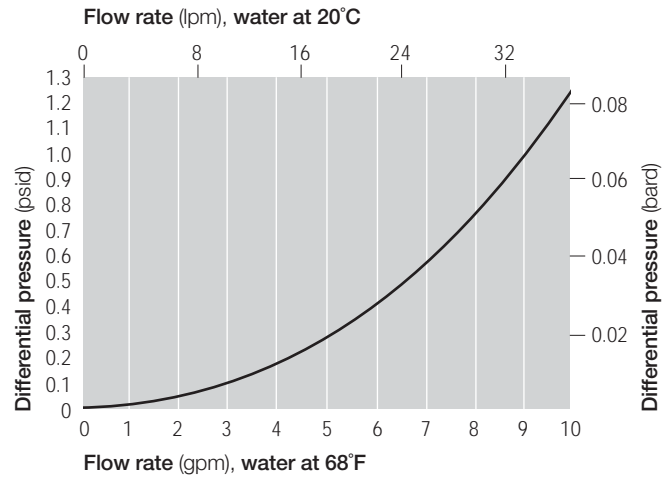
## Dimensional Data (nominal)

| Model  | Liquid Flow Rate <sup>4</sup> 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)      |

<sup>4</sup> 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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