

# INOX SANITARY FILTER HOUSING

## PSFH-SEP

### Materials of Construction

|                          |  |
|--------------------------|--|
| Housing Body:            | Mechanically Polished 316L Stainless Steel |
| Housing Base:            | Mechanically Polished 316L Stainless Steel |
| External Surface Finish: | $Ra \leq 0.4\mu$                           |
| Internal Surface Finish: | $Ra \leq 0.3\mu$                           |
| Cartridge Locator Plate: | Mechanically Polished 316L Stainless Steel |
| Inlet/Outlet Pipes:      | Mechanically Polished 316L Stainless Steel |
| Tri-Clover Clamps:       | 304 Stainless Steel                        |
| Gauge:                   | 316L Stainless Steel/Glycerine Filled      |
| Legs:                    | 304 Stainless Steel                        |
| Seal:                    | EPDM (Teflon/Viton)                        |

### Features & Benefits

- Mechanically polished finish to  $Ra \leq 0.3\mu$  provides the required internal surface for high purity applications.
- Tri-clover clamps are used as standard to secure the housing body and base together and connect the pressure gauge to the top of the housing.
- All housings include a diaphragmed 11 bar pressure gauge.
- Multi-round housings come with blanking plates and Tri-clamps to use when required for the Vent and Drain ports.
- Housings feature a vent/test port for pressure release and integrity testing ability.
- The cartridge locator plate accepts cartridges with 226 double O-ring seal and locking tabs, with the option of a fin or recessed end-cap.
- Multi-round housings come with two drain ports, enabling one to be used as a sampling port.



### Quality Standards

PED (2014/68/EU) Article 4, Paragraph 3 Compliant, Group 2 Liquids  
FDA Compliant Materials

## Technical Data

| Part Number                                   | PSFH-SEP-1             |       |      | PSFH-SEP-3         | PSFH-SEP-5         |      | PSFH-SEP-7         |      |
|---|------------------------|-------|------|--------------------|--------------------|------|--------------------|------|
| Housing Type                                  | 1 Round Housing        |       |      | 3 Round Housing    | 5 Round Housing    |      | 7 Round Housing    |      |
| Accommodates Filter Lengths"                  | 10, 20, 30             |       |      | 30                 | 30, 40             |      | 30, 40             |      |
| Maximum Nominal Filter Cartridge Diameter"    | 2¾                     |       |      | 2¾                 | 2¾                 |      | 2¾                 |      |
| Overall Housing Height mm                     | 10"                    | 20"   | 30"  | 30"                | 30"                | 40"  | 30"                | 40"  |
|   | 623                    | 873   | 1123 | 1255               | 1285               | 1535 | 1293               | 1543 |
| Overall Housing Width mm                      | 210                    |       |      | 360                | 420                |      | 440                |      |
| Minimum/Maximum Operating Temperature °C (°F) | 0 (32) - 120 (248)     |       |      | 0 (32) - 120 (248) | 0 (32) - 120 (248) |      | 0 (32) - 120 (248) |      |
| Hydrostatic Test Pressure bar (psi)           | 10 (145)               |       |      | 10 (145)           | 10 (145)           |      | 10 (145)           |      |
| Design Pressure bar (psi)                     | 8 (116)                |       |      | 8 (116)            | 8 (116)            |      | 8 (116)            |      |
| Inlet/Outlet Ports" (Tri-Clamp)               | 10" & 20"              |       | 30"  | 2                  | 2                  |      | 2                  |      |
|   | 1                      | 1, 1½ |      |                    |                    |      |                    |      |
| Gauge Port"                                   | 1½                     |       |      | 1½                 | 1½                 |      | 1½                 |      |
| Vent Port "                                   | ¼ <sub>10</sub>        |       |      | ½                  | ½                  |      | ½                  |      |
| Drain Port(s) "                               | ¼ <sub>10</sub>        |       |      | ½                  | ½                  |      | ½                  |      |
| Compatible Filter End-Caps                    | FG, FH, ZH             |       |      |                    |                    |      |                    |      |
| Maximum Flow Rates lpm*                       | 10"=20, 20"=40, 30"=60 |       |      | 30" = 180          | 30"=300, 40"=400   |      | 30"=420, 40"=560   |      |

\*Based on SPECTRUM PPP 20µm filter cartridge, at a pressure drop of 0.2 bar, water at 20°C

## Part Number Guide

| Product | Material | Cartridge Qty | Cartridge Size " | Port Size " |        |
|---------|----------|---------------|------------------|-------------|--------|
| PSFH    | SEP      | 1             | 10, 20           | 1           |        |
|         |          |               | 30               | 1, 1½       |        |
|         |          | 3             | 30               | 2           |        |
|         |          |               | 5                |             | 30, 40 |
|         |          |               | 7                |             | 30, 40 |

e.g. PSFH-SEP-3-30-1