MicroVantage™ SFH Series
Sanitary Filter Housings

- Designed for critical applications requiring high purity and durability
- All wetted parts are 316L Stainless Steel electro-polished with standard 25RA internal finish and 32RA external finish.
- In-line single cartridge design
  - Tri-clamp closure for easy cartridge change-outs
  - Ideal for vent applications
- T-style housing design
  - Available for 1 through 21 cartridges
  - Tri-clamp closure for single cartridge housing
  - Swing bolt closures for rugged design and secure sealing
  - Removable bottom seal plate allows ease of cleaning
- Available with 226 or 222 style cartridge connectors
- 1 ½" TC Gauge Port and ½" TC vent and drains are standard
- Optional Sanitary Twist Valve is available for easy sampling of process fluid

**Applications**
- Ultrapure Water
- Fine Chemicals
- Electronics
- Pharmaceuticals
- Food & Beverage
- Wine/Beer
- Vent
- DI Water

**Specifications**

<table>
<thead>
<tr>
<th>Maximum Operating Pressure</th>
<th>150 psig (10.3 bar) @ 225° F (107° C)</th>
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</thead>
</table>
| Inlet and Outlet Connections | Inlet/Outlet: Tri-Clamp
  Drain Ports: 1/2" Tri-Clamp
  Gauge Port with Vent: 1 1/2" Tri-Clamp with 1/2" Tri-Clamp |
| Materials of Construction | Head and Shell: 316L Stainless Steel
  Connections: 316L Stainless Steel
  Closure: 316L Stainless Steel
  Mounting Legs: 316L Stainless Steel |
| Gaskets | Silicone
  Optional: EPR, Viton, Teflon, Teflon Encapsulated Silicone and Teflon Encapsulated Viton |
| Finish | Internal surfaces: 25RA Electro-polished
  External surfaces: 32RA Electro-polished |
| Cartridge Type | 222 or 226 cartridges (maximum 2 3/4" OD) |
| Custom Options | Sanitary Twist Valve’s for vent and drains
  See Ordering Guide for complete listing |
### Dimensions

**SIFH In-Line**  
**SFH T-Style Clamp**  
**SFH T-Style Swing Bolt**

### Ordering Guide (Example: 7SFH3-SB226-2TC25-11S)

<table>
<thead>
<tr>
<th>MODEL &amp; NUMBER OF COLUMNS</th>
<th>LENGTH OF CARTRIDGES</th>
<th>CLOSURE STYLE</th>
<th>CARTRIDGE CONNECTOR</th>
<th>CONNECTION</th>
<th>INTERNAL FINISH++</th>
<th>VENT</th>
<th>DRAIN</th>
<th>GASKET</th>
</tr>
</thead>
</table>
| 1SFH                      | 5 = 5"               | C = Tri Clamp | 222 = 226 Style Cartridge | 1.5TC = 1.5 TC | 25 N = None | 1 = 1/2" TC ferrule with solid end caps  
and 1 1/2" TC gauge port  
2 = 1/2" TC ferrules with sanitary twist valve  
1 1/2" TC gauge port | S = Silicone  
E = EPR  
V = Viton  
T = Teflon  
TS = Teflon Encapsulated Silicone  
TV = Teflon Encapsulated Viton |
| 1SFH                      | 1 = 10"              |               | 226 = 226 Style Cartridge | 1TC = 1 TC  
2TC = 2" TC  
3TC = 3" TC  
4TC = 4" TC | 25 N = None | 1 = 1/2" TC ferrule with solid end caps  
2 = 1/2" TC ferrules with sanitary twist valve  
1 1/2" TC gauge port | S = Silicone  
E = EPR  
V = Viton  
T = Teflon  
TS = Teflon Encapsulated Silicone  
TV = Teflon Encapsulated Viton |
| 1SFH                      | 2 = 20"              |               | 226 = 226 Style Cartridge | 1TC = 1 TC  
2TC = 2" TC  
3TC = 3" TC  
4TC = 4" TC | 25 N = None | 1 = 1/2" TC ferrule with solid end caps  
2 = 1/2" TC ferrules with sanitary twist valve  
1 1/2" TC gauge port | S = Silicone  
E = EPR  
V = Viton  
T = Teflon  
TS = Teflon Encapsulated Silicone  
TV = Teflon Encapsulated Viton |
| 1SFH                      | 3 = 30"              |               | 226 = 226 Style Cartridge | 1TC = 1 TC  
2TC = 2" TC  
3TC = 3" TC  
4TC = 4" TC | 25 N = None | 1 = 1/2" TC ferrule with solid end caps  
2 = 1/2" TC ferrules with sanitary twist valve  
1 1/2" TC gauge port | S = Silicone  
E = EPR  
V = Viton  
T = Teflon  
TS = Teflon Encapsulated Silicone  
TV = Teflon Encapsulated Viton |
| 1SFH                      | 4 = 40"              |               | 226 = 226 Style Cartridge | 1TC = 1 TC  
2TC = 2" TC  
3TC = 3" TC  
4TC = 4" TC | 25 N = None | 1 = 1/2" TC ferrule with solid end caps  
2 = 1/2" TC ferrules with sanitary twist valve  
1 1/2" TC gauge port | S = Silicone  
E = EPR  
V = Viton  
T = Teflon  
TS = Teflon Encapsulated Silicone  
TV = Teflon Encapsulated Viton |

* 5" length available in 1SFH and 1SFH models.  
** Tri-clamp closure and 1" TC connections only available on 1SFH models.  
+ Standard connection sizes are: 2" TC for 3SFH, 5SFH and 7SFH models. 3" TC for 12SFH models and 4" TC for 21SFH models. ++ Contact factory for alternate finishes.

### Customization

Housings may be customized to meet your precise requirements. Contact Shelco’s technical support staff or your distributor for more information.