

**MULTI-ROUND SANITARY
LIQUID FILTER HOUSINGS**

High Flow Rate Sanitary Grade
Electro-polished Housings
(Side In, Bottom Out)

MULTI-ROUND SANITARY LIQUID FILTER HOUSINGS

FOR A VARIETY OF INDUSTRIAL AND SANITARY APPLICATIONS

The Multi-Round Sanitary Filter Housings are designed for use in food & beverage, pharmaceutical, and other applications designed for filtration requiring 15 or more filter elements.

The flow pattern is side-in and bottom out. The housing is available in three configurations including the easy-changeout version which has the filter changeout cover located on a pivot support at the top of the housing.

Sanitary grade finished polishing of Ra < 0.38 μm (15 $\mu\text{in.}$) make these housings suitable for a variety of sanitary industrial and chemical applications.

FEATURE

BENEFIT

Side-in and bottom-out flow pattern with multiple filter changeout configurations

Efficient flow pattern available in top opening and bottom opening configurations to allow efficient filter changeout as well as rigorous cleaning capabilities.

Tri-clamp connection

Design allows for safe, easy sealing of connections

Quality surface finishing

With an internal bowl Ra of 0.38 μm (15 $\mu\text{in.}$) the sanitary surface finish prevents entrapment or build-up of contaminants.

SPECIFICATIONS

Surface finish

Mirror Polish or mirror polish with an Extra Internal Electro-polish

Internal Ra: 0.38 μm (15 $\mu\text{in.}$),
External Ra: 0.4 μm (16 $\mu\text{in.}$)

Housing body

304 or 316L

Vent/Drain

304 or 316L

Clamp, Eyebolt, Leg

304

O-ring/gaskets

Silicone, FKM, EPDM

Design pressure

1.0 MPa (10 bar, 145 psi)

Max. operating temperature

90°C (194°F); Design Temperature: 140°C (284°F)

Connections

Body Connection: Flange (Eyebolt)

Inlet/Outlet: Tri-clamp, Flange

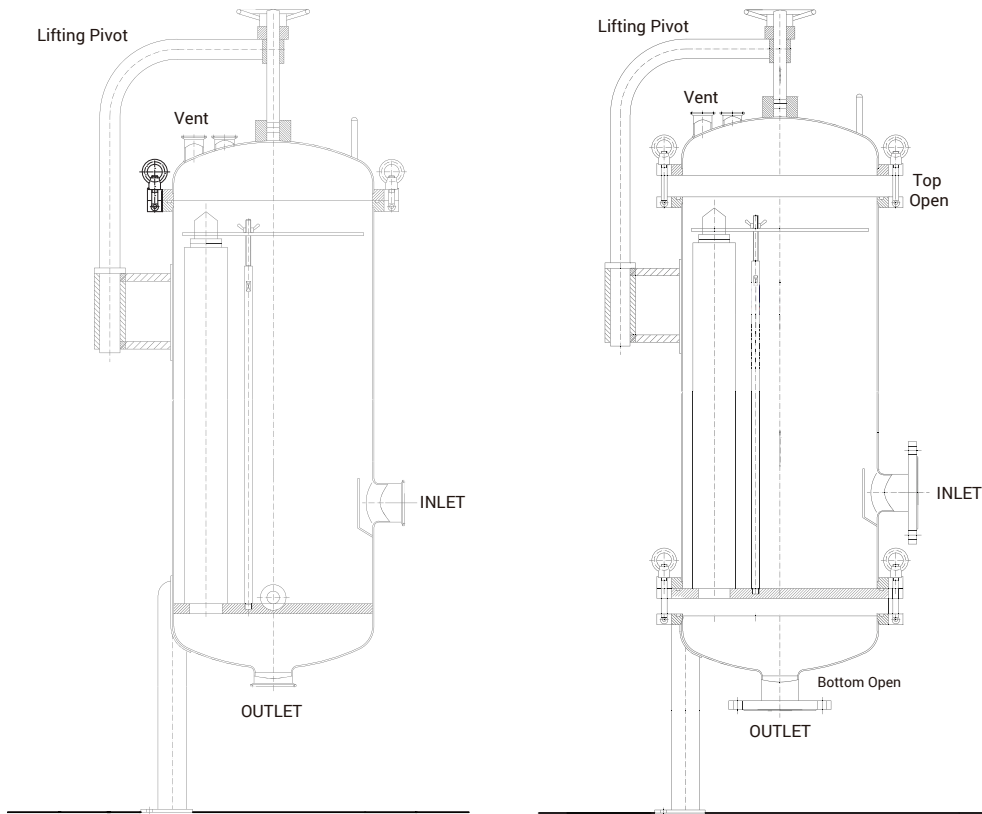
Pressure Gauge: 1.5" Tri-clamp



TYPICAL APPLICATIONS

- Pharmaceuticals
- Solvents
- Potable Liquids
- Industrial Liquids
- Coolants
- Process Water

DIMENSIONS



H-SCFC Liquid Filter Housing

H-SDFC Liquid Filter Housing

ORDERING INFORMATION

EXAMPLE: **H-SCFC1510STCT50EBXP** = H-SCFC model, 15-round, 10", 316L, 222 cartridge configuration, C-Clamp 2" Tri-clamp I/O, with EPDM seals, electro-polished, 87 psi, design pressure, pharmaceutical application

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|--|---|---|--|--|--|---|--|--|--|--|
| | | | | | | | | | | |
| <p>Number of Filters 15 = 15 round 18 = 18 round 21 = 21 round 24 = 24 round 27 = 27 round 30 = 30 round 33 = 33 round 36 = 36 round ... *</p> | <p>Filter Length 10 = 10" 20 = 20" 30 = 30" 40 = 40"</p> | <p>Material F = 304 S = 316L</p> | <p>End Cap S = 226 T = 222 D = DOE</p> | <p>House/Base Connection D = Swing Bolt C = C-Clamp</p> | <p>Seal Material S = Silicone E = EPDM V = FKM</p> | <p>Design Pressure X = Standard Pressure 0.6 mPa (87 psi) Y = 1.0 mPa (145 psi)</p> | <p>Surface Finish A = Mirror Polish B = Extra Internal Electro-polished</p> | <p>Application P = Pharmaceutical F = Food and Beverage C = Chemical</p> | | |
| <p>Housing Configuration H-SCFC = Top open, Fixed Filter Plate H-SDEC = Top and bottom open, Fixed Filter Plate H-SEFC = Top and bottom open, Detachable Filter Plate</p> | | | | | | <p>Inlet/Outlet T50 = 2" Tri-clamp (DN50) T65 = 2.5" Tri-clamp (DN65) T80 = 3" Tri-clamp (DN80) T100 = 4" Tri-clamp (DN100) F80 = 3" Flange F100 = 4" Flange</p> | | | | |

*other options available



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