

H-SCF / SDF / SEF / SFF MULTI-ROUND SANITARY HOUSINGS

High flow, sanitary grade housings designed for liquid filtration in biotechnology, chemical, electronic, and food & beverage industries

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MULTI-ROUND FILTER HOUSINGS FOR HIGH-VOLUME LIQUID FILTRATION IN SANITARY APPLICATIONS

H-S*F Series Multi-Round Sanitary Filter Housings are specifically designed for liquid filtration at varying flow rates, including high flow rates. The H-S*F Multi-Round housings are strongly recommended for use in life science and high purity filtration applications, as it meets sanitary requirements and GMP standards. Features include mechanical polishing with a Ra of 15 µm (0.3 µm), easy-to-clean, and thorough drainage, which eliminates concerns about remaining liquids. Electro-polishing finish is also an available option for housings with 12 rounds or less.

FEATURE

BENEFIT

Quality surface finishing

With an internal Ra of 0.38 µm (15 µin.) and external Ra of 0.4 µm (16 µin), the sanitary surface finish prevents entrapment or build-up of contaminants. All electro-polishing is also available

Enlarged vent and drain with stepped thread connections

Internal diameter connects with 8mm tube. Integrated vent and drain with stepped thread ensure secure tube connection during drain and vent operations.

Quick-release sectional closure clamp or toggle bolts

Quick disassembly of housing bowl

SPECIFICATIONS

Surface finish

Polish Type: Mirror Polish; Internal Electro-polished option

Surface Option: Internal Ra: 0.38 µm (15 µin.)
External Ra: 0.4µm (16 µin.)

Housing body

304; 316L

Vent/Drain

304; 316L

Vent Clamp / Eyebolt / Leg

304

O-ring/gaskets

Silicone, EPDM, FKM, E-FKM (FEP/PFA Encapsulated FKM)

Max. operating pressure

Design Pressure X: 0.6 MPa (6 bar, 87 psi)
Design Pressure Y: 1.0 MPa (10 bar, 145 psi)

Max. operating temperature

90°C (194°F) / Design temperature: 140°C

Body connection

C-Clamp or Swing Bolt

Inlet/Outlet

Tri-Clamp, Flange

Vent

Tri-Clamp with bleed valve

Pressure gauge

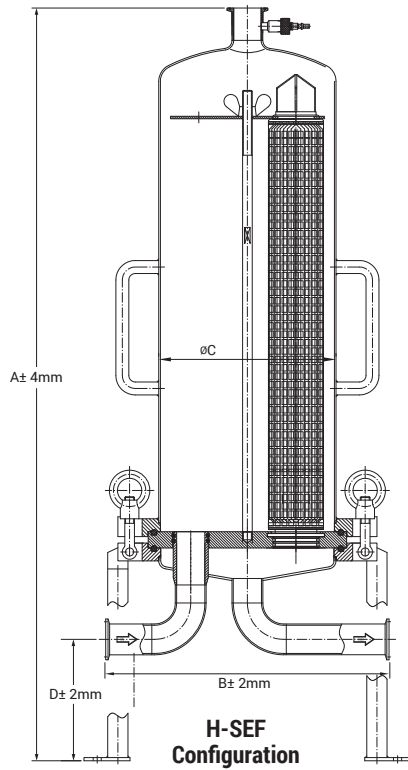
1.5 inch Tri-clamp



Typical Applications

- Biotechnology
- Fine Chemicals
- Beverages
- Life Sciences

DIMENSIONS



	3 round				5 round			
	10"	20"	30"	40"	10"	20"	30"	40"
A	680 mm (26.77")	930 mm (36.61")	1180 mm (46.46")	1430 mm (56.30")	700 mm (27.56")	950 mm (37.40")	1200 mm (47.24")	1450 mm (57.09")
B	350 mm (5.20")				400 mm (15.75")			
C	219 mm (8.03")				250 mm (9.84")			
D	150 mm (5.91")				150 mm (5.91")			

	7 round				9 round		12 round	
	10"	20"	30"	40"	30"	40"	30"	40"
A	720 mm (28.35")	970 mm (38.190")	1220 mm (48.03")	1470 mm (57.87")	1280 mm (50.40")	1530 mm (60.24")	1300 mm (51.18")	1500 mm (59.06")
B	420 mm (16.55")				480 mm (18.90")		500 mm (19.69")	
C	273 mm (10.75")				325 mm (12.80")		350 mm (13.78")	
D	150 mm (5.91")				150 mm (5.91")		150 mm (5.91")	

*Drawings will be provided upon request.

ORDERING INFORMATION

EXAMPLE: **H-SCF0920SSCT38EAXP** = H-SCF configuration, 9 round, 20", 316L, 226, 1.5" Tri-Clamp, EPDM seals, mirror polish, 87 psi, pharmaceutical application

□	□	□	□	□	□	□	□	□	□	□
Housing Configuration	Number of Filters	Filter Length	Material	Cartridge Configuration	Housing Connection	Inlet/Outlet	Seal Material	Design Pressure	Surface Finish	Application
H-SCF = Bottom open, Fixed Filter Plate H-SDF = Top open, Fixed Filter Plate H-SEF = Bottom open, Detachable Filter Plate H-SFF = Top open, Detachable Filter Plate	03 = 3 round 05 = 5 round 07 = 7 round 09 = 9 round 12 = 12 round 21 = 21 round	10 = 10" 20 = 20" 30 = 30" 40 = 40"	F = 304 S = 316L	P = DOE S = 226 T = 222	D = Swing Bolt C = C-Clamp	T38 = 1.5" Tri-clamp (DN38) T50 = 2" Tri-clamp (DN50) F32 = 1.25" Flange (DN32) F40 = 1.5" Flange (DN40) F50 = 2" Flange (DN50) F65 = 2.5" Flange (DN65) F80 = 3" Flange (DN80) F100 = 4" Flange (DN100)	S = Silicone E = EPDM V = FKM P = E-FKM*	X = 0.6 MPa (87 psi) Y = 1.0 MPa (145 psi)	A = Mirror Polish B = Additional internal electro-polishing	P = Pharmaceutical F = Food and Beverage C = Chemical

*FEP/PFA Encapsulated FKM is not applicable for H-SEF and H-SFF type housings.



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