

H-SPF IN-LINE SANITARY FILTER HOUSINGS

SINGLE-ROUND FILTER HOUSING FOR LOW-VOLUME LIQUID FILTRATION IN SANITARY APPLICATIONS

H-SPF In-Line Sanitary Filter Housings are specifically designed as a single-round filter housing for low volume liquid filtration. The H-SPF is strongly recommended for use in life science 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.

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	Quick disassembly of housing bowl
	Provides increase pressure endurance by 20% compared to normal clamps
	Provides perfect sealing for PTFE o-rings with max. operating pressure up to 10 bar (145 psi)
Adjustable nut on legs	Allows for filter length to be adjusted

SPECIFICATIONS

Surface finish	Polish Type: Mirror Polish; Internal Electro-polished option
	Surface Option: Internal Ra: 0.38 µm (15 µin.)
	External Ra: 0.4 µm (16 µin.)
Housing body	304; 316L
Vent/Drain	304; 316L
Clamp	304
Leg	304
O-ring/gaskets	Silicone, FKM, EPDM
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



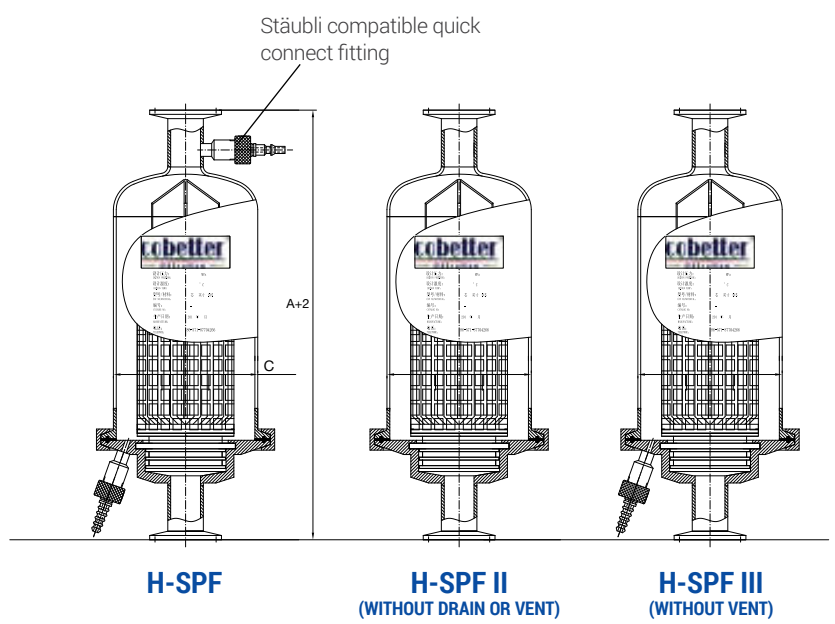
Typical Applications

- Culture Medium
- Fermentation Broths
- Gel Materials
- High Viscosity Materials
- Serums
- Liquid Filtration

In-line steam sterilization	In-situ / Autoclave for 30 min at 121°C
Body connection	Tri-clamp, strengthened clamp
Inlet/Outlet	1", 1.5", and 2" Tri-clamp (DN25)
Vent	Bleed valve with Stäubli compatible fitting
Drain	4 mm - 8 mm (hose barb) bleed valve
Pressure gauge	1.5 inch tri-clamp

DIMENSIONS

Cartridge	Dim 'A'
2.5"	240 mm (9.5")
5"	315 mm (12.4")
10"	425 mm (16.7")
20"	685 mm (27.0")
30"	935 mm (36.8")



ORDERING INFORMATION

EXAMPLE: **H-SPF0110STT25SAXP** = inlet & outlet drains, 10", 316L, 222, 1" TC I/O, with Silicone seals, mirror polish, 87 psi max, pharmaceutical

H-SPF [] **01** [] [] [] [] [] [] [] [] []

- Drain**
 (blank) = Drain & vent valve
 II = No drain or vent valve
 III = Drain valve only
- Filter Length**
 2.5 = 2.5"
 05 = 5"
 10 = 10"
 20 = 20"
 30 = 30"
- Material**
 F = 304
 S = 316L
- End Cap**
 S = 226
 T = 222
 D = DOE
- Housing Connection**
 T = Tri-clamp
- Seal Material**
 S = Silicone
 E = EPDM
 V = FKM
- Inlet/Outlet**
 T20 = 3/4" Tri-clamp (DN20)
 T25 = 1" Tri-clamp (DN25)
 T38 = 1.5" Tri-clamp (DN38)
 T50 = 2" Tri-clamp (DN50)
- Surface Finish**
 A = Mechanical Mirror Polish
 B = Additional Internal Electro-polished
- Design Pressure**
 X = 0.6 MPa (87 psi)
 Y = 1.0 MPa (145 psi)
- Application**
 P = Pharmaceutical
 F = Food and Beverage
 C = Chemical



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