

H-SCF / SDF / SEF / SFF Multi-Round Sanitary Housings

High Flow Rate Sanitary Grade

H-SCF Multi-Round Sanitary Filter Housing designed for liquid filtration with varying flow rates.

Strongly recommended for use in life science filtration applications, it meets sanitary requirements and GMP standards. Features include mechanical polishing with a Ra of 0.3µm, easy-to-clean, and thorough drainage, which eliminates concerns about remaining liquids. In addition, the filter housing is available with a detachable plate for thorough cleaning with strict cleaning requirements.

It is also available in an electro-polish finish for filter housings with 12 rounds or less.

Configurations

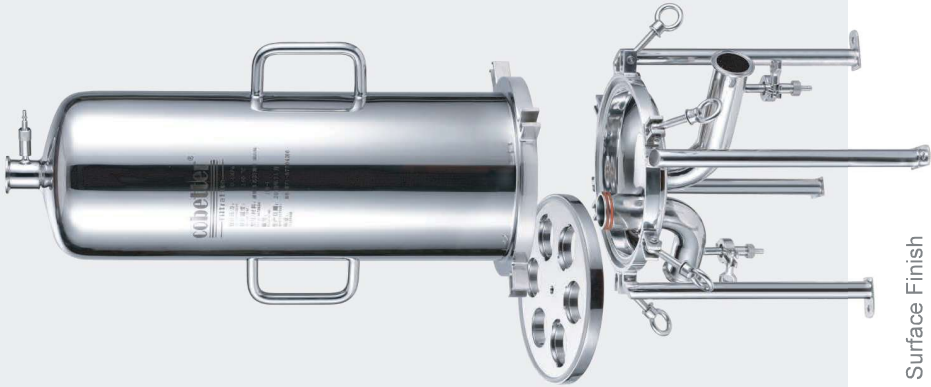
- H-SCF: bottom-opening, fixed plate; bottom-in bottom-out flow pattern
- H-SDF: top-opening and bottom-opening, fixed plate; bottom-in bottom-out flow pattern
- H-SEF: bottom-opening, detachable plate; bottom-in bottom-out flow pattern
- H-SFF: top-opening and bottom-opening, detachable plate; bottom-in bottom-out flow pattern

Operating Conditions

Max. Operating Pressure	0.6 Mpa (6 bar) / 1.0 Mpa (10 bar)
Max. Operating Temperature	90°C (194°F) / Design Temperature: 140°C
Steam Sterilization	In-situ / Autoclave @ 121°C / 30 min

Connection

Body Connection	Flange / Swing Bolt
Inlet / Outlet	Tri-clamp
Vent	Tri-clamp; ID 4mm and for 8mm tube
Pressure Gauge	1.5 inch Tri-clamp



Surface Finish

Filter Type	Minim Polished (Internal Tri-clamp, External Polished)
Surface Option	Internal Ra: 0.39µm; External Ra: 0.4µm

Material of Construction

Housing Body	304; 316L
Vent / Drain	304; 316L
Vent Clamp	304
Eyebolt	304
Leg	304
O-ring/Gaskets	Silicon, Viton, EPDM

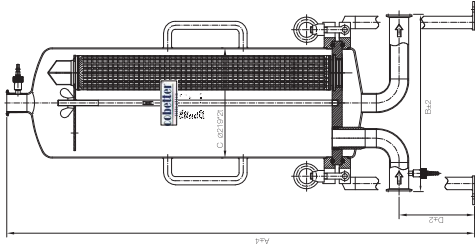
Design Features

- Ultra-fine polishing - Internal Ra: 0.39µm; External Ra: 0.4 µm. Absolute sanitary polish - all electro-polished finish is available for filter housings with 12 rounds or less.
- Tri-clamp connection for vent, - no blind spots
- Adjustable nuts on legs ensure stable operation
- Detachable plate - optional for complete cleaning in critical applications



Drawings & Dimensions

	3 round				5 round				7 round			
	10"	20"	30"	40"	10"	20"	30"	40"	10"	20"	30"	40"
A	680	930	1180	1430	700	950	1200	1450	720	970	1220	1470
B	350	350	350	350	400	400	400	400	420	420	420	420
C	219	219	219	219	250	250	250	250	273	273	273	273
D	150	150	150	150	150	150	150	150	150	150	150	150
	9 round				12 round							
	30"	40"	30"	40"	1280	1530	1300	1500				
					480	480	500	500				
					325	325	350	350				
					150	150	150	150				



Ordering Information

	Material	End Cap	Housing Connection	Inlet / Outlet	Sealing Material	Surface Finish	Design Pressure	Application
H-SCF	F	S	D	T38	S	A	X	P
H-SDF	F	S	D	T38	S	A	X	P
H-SEF	F	S	D	T38	S	A	X	P
H-SFF	F	S	D	T38	S	A	X	P



2014-08-04