

H-SICF INDUSTRIAL FILTER HOUSINGS

Filter housings for filtration in biotechnology, chemical, electronic, and food & beverage industries

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FILTER HOUSINGS FOR INDUSTRIAL FILTRATION

Cobetter H-SICF Filter Housings are designed for use in pre-filtration and clarification processes for beverages, drinking water, fine chemicals, pharmaceutical, and other industrial applications. Constructed of 304 or 316L stainless steel, the housing also has a mechanically polished surface finish and can accept filter cartridges with DOE, 222 or 226 end connections, as well as cartridges in 10", 20", 30", or 40" configurations.

In addition, it features a swing bolt closure at the top of the filter housing for easy access and installation. Mirror finishing and internal polishing of 0.6 m Ra are ensured by mechanically polishing the filter housing 5 to 7 times.

FEATURE	BENEFIT
Designed for most common cartridges	Provides safe and secure sealing of cartridges with DOE, 222, or 226 connection.
Quality surface finishing	With an internal Ra of 0.6 µm (24 µin.) and external Ra of 0.8 µm (32 µin), the sanitary surface finish prevents entrapment or build-up of contaminants.
Vent and drain options	Available with vent and drain options to allow easy clean and thorough drainage.

SPECIFICATIONS

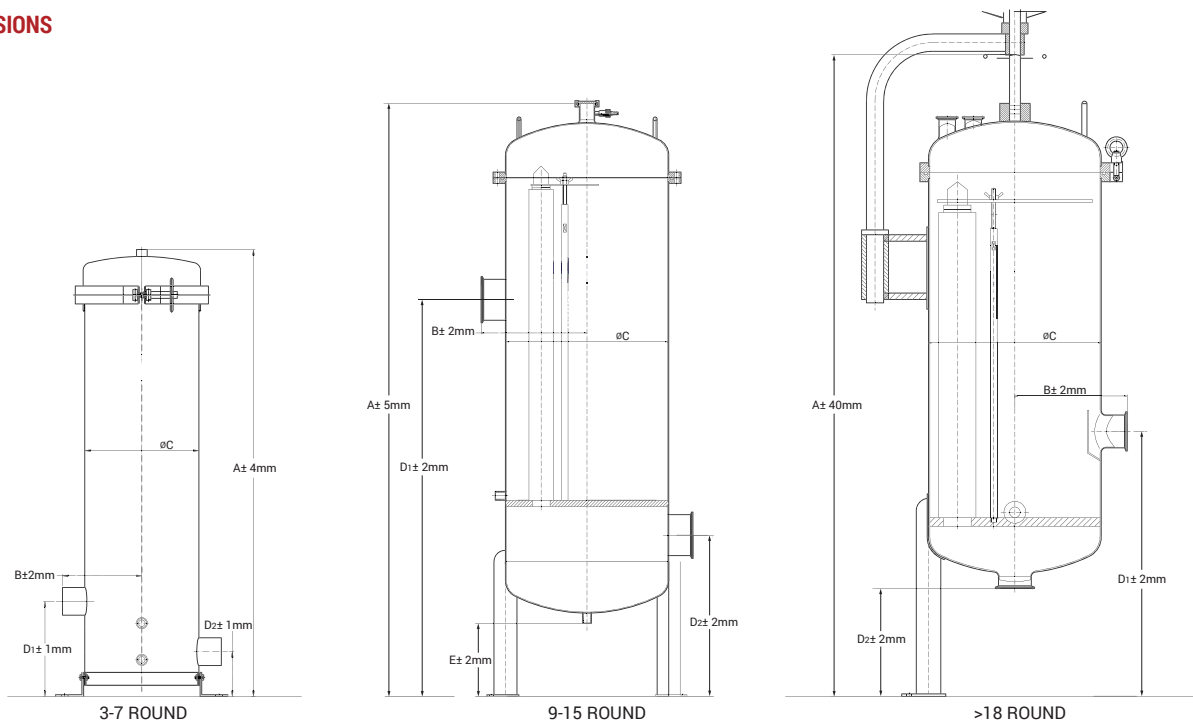
Surface finish	Polish Type: Mirror Polish; Internal Electro-polished option Surface Option: Internal Ra: 0.6 µm (24 µin.) External Ra: 0.8µm (32 µin.)
Housing body	304; 316L
Vent/Drain	304; 316L
Clamp or Swing Bolt	304
Leg	304
O-ring/gaskets	Silicone, FKM, EPDM, PTFE, E-FKM
Max. operating pressure	Design 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	Swing Bolt or C-Clamp or NPT
Inlet/Outlet	Clamp or Flange
Vent	G1/2" (<12 round); G1" (>15 round)
Drain	G3/4" (<12 round); G1" (>15 round)
Pressure gauge	M14 * 1.5 thread



Typical Applications

- Gas filtration
- Pre-filtration
- Clarification
- Beverages
- Drinking water
- Fine chemicals
- Pharmaceuticals

DIMENSIONS



	3 round			5 round		7 round		11 round		15 round		18 round		24 round	
	20"	30"	40"	30"	40"	30"	40"	30"	40"	30"	40"	30"	40"	30"	40"
A	777 mm (30.59")	1027 mm (40.43")	1277 mm (50.28")	1027 mm (40.43")	1277 mm (50.28")	1037 mm (40.83")	1287 mm (50.67")	1396 mm (54.96")	1646 mm (64.80")	1463 mm (57.60")	1713 mm (64.44")	1710 mm (67.32")	1960 mm (77.17")	1720 mm (67.72")	1970 mm (77.56")
B		132 mm (5.20")		132 mm (5.20")		155 mm (6.10")		215 mm (8.47")		240 mm (9.45")		240 mm (9.45")		290 mm (11.42")	
C		204 mm (8.03")		204 mm (8.03")		250 mm (9.84")		350 mm (13.78")		400 mm (15.75")		400 mm (15.75")		500 mm (19.69")	
D1		170 mm (6.69")		170 mm (6.69")		170 mm (6.69")		961 mm (37.84")		980 mm (38.58")		635 mm (25.00")		660 mm (25.98")	
D2		125 mm (4.92")		125 mm (4.92")		125 mm (4.92")		360 mm (14.17")		400 mm (15.75")		250 mm (9.84")		250 mm (9.84")	

ORDERING INFORMATION

EXAMPLE: **H-SICF0920SSCT38EAXP** = 9 round, 20", 316L, 226, 1.5" Tri-Clamp, EPDM seals, mirror polish, 87 psi max, pharmaceutical

H-SICF

03	05	07	09	11	12	15	18	...	75	F	S	D	C	L	A	X	Y	
Number of Filters										Material		Housing Connection			Seal Material		Application	
03 = 3 round 05 = 5 round 07 = 7 round 09 = 9 round 11 = 11 round 12 = 12 round 15 = 15 round 18 = 18 round ... 75 = 75 round										F = 304 S = 316L		D = Swing Bolt C = C-Clamp L = NPT			S = Silicone E = EPDM V = FKM F = PTFE P = E-FKM		P = Pharmaceutical F = Food and Beverage C = Chemical	
Filter Length										Cartridge Configuration			Inlet/Outlet		Surface Finish		Design Pressure	
10 = 10" 20 = 20" 30 = 30" 40 = 40"										P = DOE S = 226 T = 222 J = DOE&222			T38 = 1.5" Tri-clamp (DN38) T50 = 2" Tri-clamp (DN50) F32 = 1.25" Flange (DN32, 3-5 elements) F40 = 1.5" Flange (DN40, 7-12 elements)		A = Mirror Polish		X = 0.6 MPa (87 psi) Y = 1.0 MPa (145 psi)	
*Custom housings rounds and fittings available																		



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