

H-CSD LENTICULAR FILTER HOUSINGS

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

H-CSD LENTICULAR FILTER HOUSINGS

FILTER HOUSINGS FOR USE WITH CSD LENTICULAR FILTER MODULES

Cobetter H-CSD Lenticular Series Filter Housings are designed for use with H-CSD lenticular series filter modules. The housings are designed for sanitary requirements with well-polished surfaces to ensure no residual liquids and easy throughput for cleaning. The housings are available in 304 or 316L stainless steel, which ensures strong corrosion resistance for a wide range of applications.

The bottom in/bottom out flow pattern eliminates turbulent flow, then enhancing filtration efficiency.

Maximum stack height of four stacks meets high flow-rates requirements.

FEATURE	BENEFIT
High flow, efficient footprint for H-CSD Lenticular modules	Provides high purity filtration and high flow in space-saving configurations
Quality surface finishing	With an internal Ra of 0.38 μm (15 $\mu\text{in.}$) and external Ra of 0.4 μm (16 $\mu\text{in.}$), 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: Mechanical Polish; Electro-polish Surface Option: Internal Ra: 0.38 μm (15 $\mu\text{in.}$) External Ra: 0.4 μm (16 $\mu\text{in.}$)
Housing body	304; 316L
Vent/Drain	304; 316L
Swing bolt	304
Feet support	304
O-ring/gaskets	Silicone, FKM, EPDM, E-FKM
Max. operating pressure	0.6 MPa (6 bar, 87 psi)
Max. operating temperature	90°C (194°F) / Design temperature: 140°C
Housing connection	Swing Bolt
Inlet/Outlet	Tri-Clamp
*Drain	0.5" Tri-Clamp with or without bleed valve
*Pressure gauge port	1.5" Tri-Clamp with or without bleed valve
Sterilization	Inline / Autoclave at 121°C

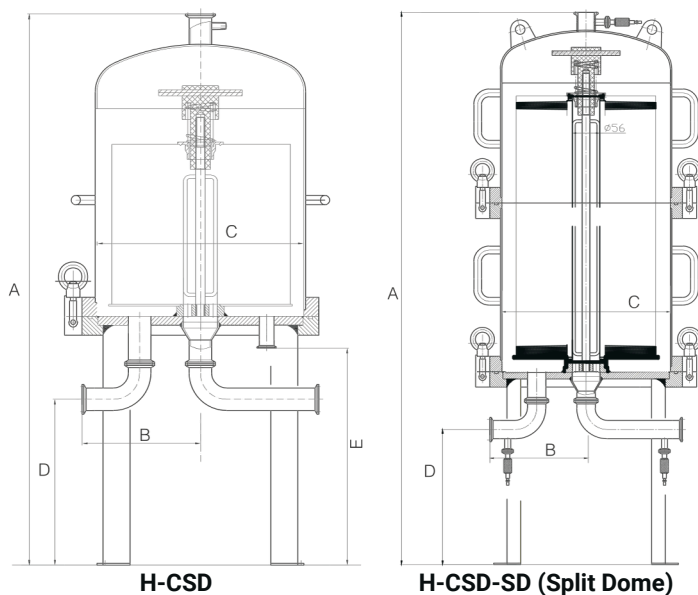
* custom options are available



Typical Applications

- Pre-filtration
- Clarification
- Beverages
- Drinking water
- Fine chemicals
- Pharmaceuticals
- High Loading Liquids

DIMENSIONS



12" Diameter				
	16 Lenses	30 Lenses	48 Lenses	64 Lenses
A	800 mm (31.5")	1070 mm (42.1")	1340 mm (52.8")	1610 mm (63.4")
B	200 mm (7.9")			
C	350 mm (13.8")			
D	150 mm (5.9")			
E	245 mm (9.7")			

16" Diameter drawings can be supplied upon request

ORDERING INFORMATION

EXAMPLE: **H-CSD0112-2FDDT38EAXC** = Solid Dome, 12" 32 lenses, 304 SS, DOE end cap, Swing Bolt, 1.5" Tri-Clamp, EPDM seals, mirror polished, 87 psi, chemical application

H-CSD 01 D D T38 X

Number of Filters
01 = 1 round

Lenses
12-1 = 12" 16Lenses
12-2 = 12" 32Lenses
12-3 = 12" 48Lenses
12-4 = 12" 64Lenses
16-1 = 16" 16Lenses
16-2 = 16" 32Lenses
16-3 = 16" 48Lenses
16-4 = 16" 64Lenses

Material
F = 304
S = 316L

End Cap
D = DOE

Housing Connection
D = Swing Bolt

Seal Material
S = Silicone
E = EPDM
V = FKM
P = E-FKM (FEP/PFA encapsulated FKM)

Surface Finish
A = Mirror Polish
C = Extra Internal Electro-polish

Design Pressure
X = 0.6 MPa (87 psi)

Application
P = Pharmaceutical
F = Food and Beverage
C = Chemical

Housing Dome
_ = Solid Filter Housing Dome
-SD= Split Filter Housing Dome

Inlet/Outlet*
T38 = 1.5" Tri-clamp (DN38)
* additional fittings are available upon request



Lenticular Cartridge



Internal Cartridge Holddown

COPURE
FILTRATION

Website: www.copure.com.au
Email: sales@copure.com.au
Phone: 02 9139 2850