

## 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
<b>High flow, efficient footprint for H-CSD Lenticular modules</b>	Provides high purity filtration and high flow in space-saving configurations
<b>Quality surface finishing</b>	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.
<b>Vent and drain options</b>	Available with vent and drain options to allow easy clean and thorough drainage.

### SPECIFICATIONS

<b>Surface finish</b>	Polish Type: Mechanical Polish; Electro-polish Surface Option: Internal Ra: 0.38 µm (15 µin.) External Ra: 0.4 µm (16 µin.)
<b>Housing body</b>	304; 316L
<b>Vent/Drain</b>	304; 316L
<b>Swing bolt</b>	304
<b>Feet support</b>	304
<b>O-ring/gaskets</b>	Silicone, FKM, EPDM, E-FKM
<b>Max. operating pressure</b>	0.6 MPa (6 bar, 87 psi)
<b>Max. operating temperature</b>	90°C (194°F) / Design temperature: 140°C
<b>Housing connection</b>	Swing Bolt
<b>Inlet/Outlet</b>	Tri-Clamp
<b>*Drain</b>	0.5" Tri-Clamp with or without bleed valve
<b>*Pressure gauge port</b>	1.5" Tri-Clamp with or without bleed valve
<b>Sterilization</b>	Inline / Autoclave at 121°C

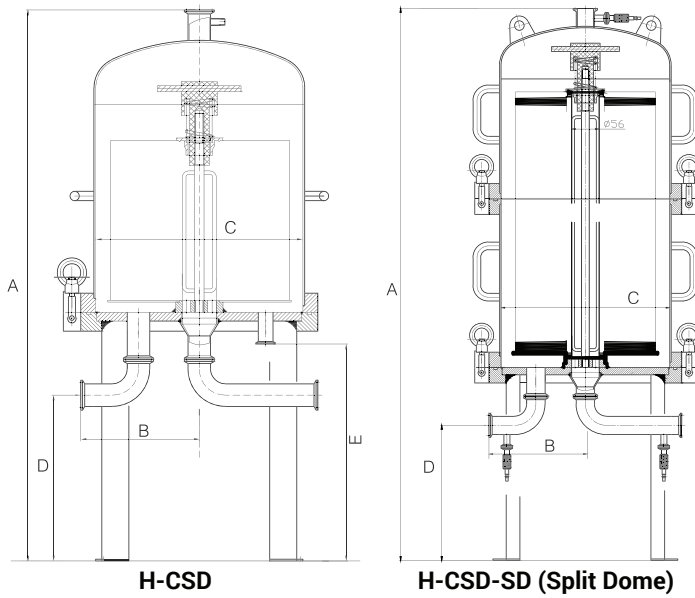
\* custom options are available



### 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] [ ]

- Housing Dome**  
\_ = Solid Filter Housing Dome  
-SD = Split Filter Housing Dome
- 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)
- Inlet/Outlet\***  
T38 = 1.5" Tri-clamp (DN38)  
\* additional fittings are available upon request
- 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



Lenticular Cartridge



Internal Cartridge Holddown



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