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Filtration | Separation | Purification

Lenticular Filter Housing

Lenticular filter housings are widely used for pre filtration processing in the wine and Beer industry as an alternative to the traditional plate and frame filter.

Compared with plate and frame filter, lenticular filter housings have the advantage of no leakage (product loss), and is a hygienic/ sanitary process that is fully enclosed.

Our lenticular filter housings are designed to suit the most popular lenticular filter module by Pall 3M CUNO, Eaton, Begerow, Sartorious etc. Both DOE

gasket) and Double O-ring twist-lok connection styles are available.

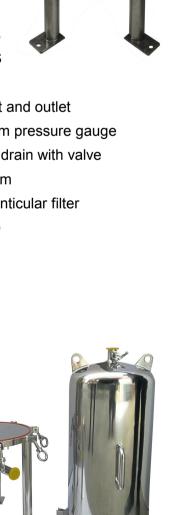
Our Standard filter housing designs are for 15-16 cell, 12" or 16" filter modules. We offer housings that can hold 1, 2, 3, and 4 modules. The lenticular housings are made of high purity ANSI316L stainless steel. Surface finished to Ra<0.2um..

12"	16 Cell (~287mm)	
Flow rate	Filter Area	
6~8 GPM	~1.7 m²	
Diameter	Length	
16"	16 Cell (~287mm)	
Max Flow	Filter Area	
12~16 GPM	~3.7 m²	
	Flow rate 6~8 GPM Diameter 16" Max Flow	

Flow rate applies to filter module 3 micron @ $\triangle P$ (0.1bar) 20°C water test

Standard Features

- Made of ANSI 316L SS
- 87PSI pressure rating
- 1.5" or 2" Triclamp inlet and outlet
- 1.5" Triclamp diaphragm pressure gauge
- 1/2" Triclamp vent and drain with valve
- Surface finish Ra<0.2um
- For DOE Flat gasket lenticular filter
- Swing bolt closure type





Operating Conditions

Design Pressure	0.6Mpa(6bar)	
Max Temp.	130°C(266∘F)	
Sterilization	Inline/Autoclave@121°C	

Surface Finish

Polish type	Mirror polish	Mirror polish		
Finish	Internal Ra:0.2um;	External Ra:0.2um		

Construction

Housing Connection	Swing Bolt
Inlet/Outlet	Tir-clamp
Vent	Tri-clamp 1/2"
Drain	Tri-clamp 1/2"
Pressure Gauge	1.5" Tri-clamp

Material of Construction

Housing body	304,316L
Vent / Drain	304,316L
Swing Bolt	304
Feet Support	304
Sealing	Silicon, EPDM, Viton

Ordering Information					
LCF	6	12DB1	1.5TC	D	S
Filter type		12DB1=12" 1high	Inlet/outlet	Filter Module End cap	Body Closure type
Lenticular filter		12DB2=12" 2high	TC=Tri clamp	D= DOE	S= Swing bolt
Material type	l	12DB3=12" 3high	1.5TC=1.5TC	P= Plug in double O ring	C= Clamp
4=304ss		12DB4=12" 4high	2.0TC=2.0TC	(P is customized feature)	(C only for 12" type)
6=316ss		16DB1=16" 1high			
		16DB2=16" 2high			
		16DB3=16" 3high			
		16DB4=16" 4high			

Customized Features

- Filter housing for Plug in double o ring filter module available
- Flange Union NPT Connection in&outlet available
- Bottom wheels avaiable
- Clamp type body clousure availabe (only for 12" type housing)
- Higher pressure application available

Please call us if you want customized housings







Lenticular housing with wheels