

Masterfilter LCFG Lenticular Filter Housing

The Masterfilter *LCFG* lenticular filters are enclosed filter housings consisting of a bottom part with three legs and a detachable housing dome. The bottom part with the inlet and outlet socket contains the centering and mounting unit for holding the lenticular filter with a flat adapter or double O-ring adapter type. The connection between the flat bottom part and the housing dome is designed through a quick closure device like V-band clamp or Rathermann clamp. The module filter housings are available in different sizes and designs.

Applications

- Chemicals
- Cosmetics
- Food and beverage
- Pharmaceuticals
- Biopharmaceuticals

Features and Benefits

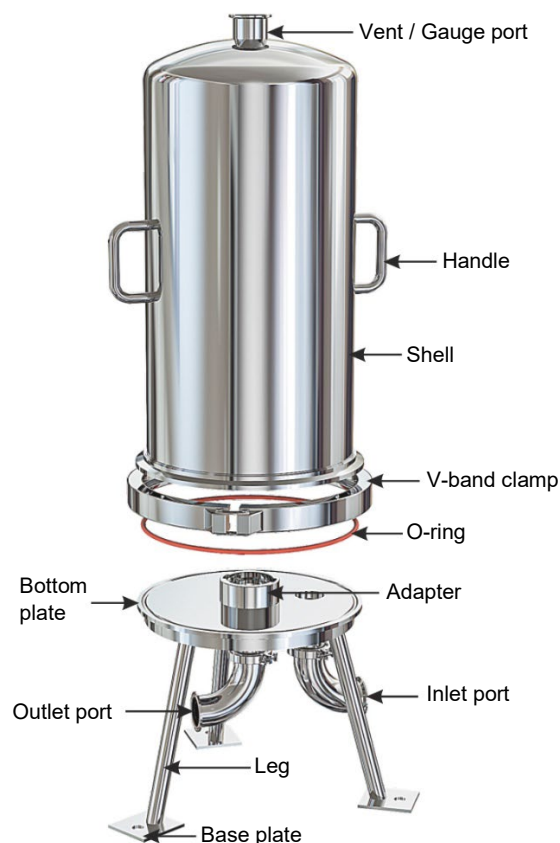
- Closed systems ensures product purity and no product losses
- Requires less space than classified filtration due to vertical design
- Maximum reliability against product contamination
- Maximum operating safety due to specific design
- Available with Rathmann styled bolting clamps or V-band clamp closure options
- Can be sterilized by autoclaving or steam sterilization or disinfection with hot water or chemicals

Technical Parameters

- No. of Elements: 1 to 4
- Filter connection: Double open end or Code 7
- Filter diameter: 12 or 16 inch
- Inlet / Outlet: 2" TC (DIN32676-C)
- Surface inside: $R_a < 0.4 \mu\text{m}$ electropolished or $< 0.8 \mu\text{m}$ mech. polished
- Surface outside: $R_a < 0.8 \mu\text{m}$ mech. polished
- Connection Top: 1.5" TC (DIN32676-C)
- Drain (in/out): 1.5" TC (DIN32676-C)
- Sealing: Silicone (FDA/USP VI)
- Max. Pressure rating: 10 bar
- Max. Design temperature: 130 °C
- Material of construction: 316L
- Design standard: ASME SEC VII DIV1
CE PED, ATEX



Lenticular Filter Housing

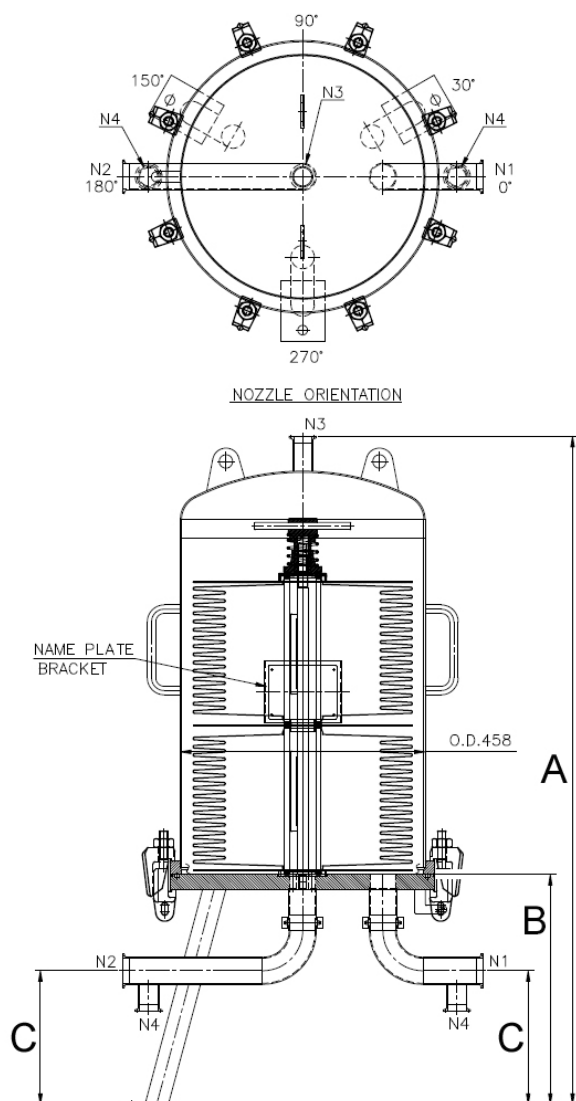


Masterfilter LCFG Lenticular Filter Housings

Module Filter Housing



Dimensions [mm]



N1 = Inlet port
N2 = Outlet port
N3 = Air vent
N4 = Drain

Module Diameter	No. of Elements	A	B	C
12"	1	825	555	180
	2	1130		
	3	1410		
	4	1685		
16"	1	825	555	180
	2	1130		
	3	1410		
	4	1685		

Part Numbers

Series	Material	No. of Elements	Connection	Diameter (inch)	Inlet/Outlet	Pipe class	Surface inside	Vent	Drain
LCFG	4	1	DOE	12	T50	C	E	A	W
		2	HSF	16			M		
		3							
		4							

4 = 316L

DOE = Double open end
HSF = Code 7

12 = 12"
16 = 16"

T50 = 2" TC

E = RA < 0.4 µm
M = RA < 0.8 µm

A = 1.5" TC
W = 1.5" TC

e.g. part number: LCFG-4-1-DOE-12-T50-C-E-A-W

Contact Masterfilter:

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