



Depth-Stack Sanitary Filter Housings



Depth-Stack Sanitary Filter Housings are a new type of depth-stack filter housing. Designed to meet requirements for sanitary construction with smooth crevice-free welding and TC-type sanitary connections. Easy to clean and disassemble. The co-linear inlet and outlet flow paths beneath the vessel shell serve to minimize liquid turbulence. Available for 8", 12" and 16" diameter cartridges up to four high modules to meet high flow rates requirements.

Features

- Ultra-high degree of polishing: Internal: $Ra \leq 0.3 \mu m$
External: $Ra \leq 0.4 \mu m$
- Liquid turbulence is minimized with co-linear inlet-outlet porting beneath the housing shell.
- Specially designed drain valves can optionally be installed on the inlet and outlet ports for easy liquid drainage.
- Allows vertical stacking of up to four depth-stack cartridges and provides high flow rates at high retention efficiency.
- Segmented cartridge design makes it more convenient to replace depth-stack cartridges and helps to reduce liquid loss.

Surface Finish

Finish Process Options:	Passivated, Electropolished, Mech. Polished
Polish Quality:	Internal: $Ra \leq 0.3 \mu m$ External: $Ra \leq 0.4 \mu m$

Materials

Shell Options:	304 or 316L Stainless Steel
Vent Valve:	304 or 316L
Eyebolts:	304
Legs:	304
Seal Materials:	Silicone, FKM, EPDM

Operating Conditions

Design Pressure:	0.6MPa (90psi)
Max. Operating Temperature:	150°C (302°F)

Connection

Shell Connection:	Eyebolt
Inlet & Outlet:	Tri-clamp or Flange
Vent Valve/Drain Valve:	Inner bore 4mm Connects with 8mm pipe
Pressure Gauge:	1.5" TC

Applications

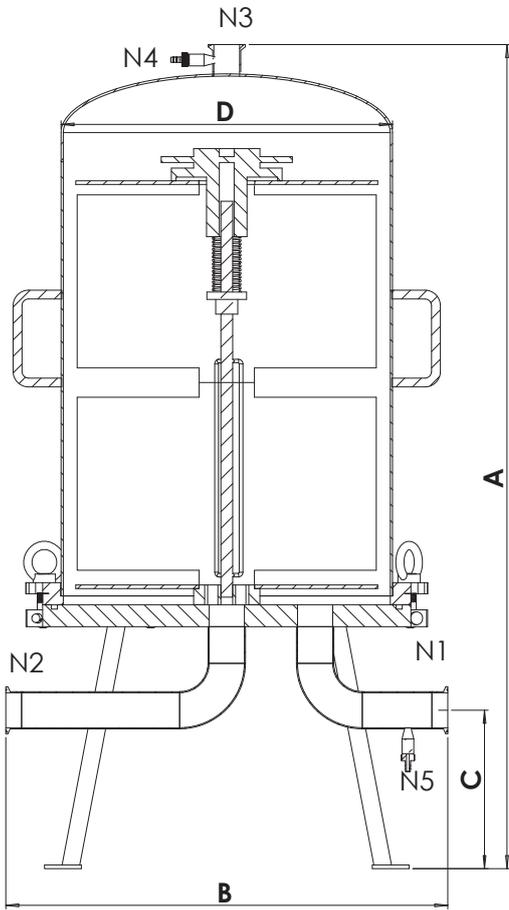
- Pharmaceuticals: filtration of injectables, LVPs, water for injection, and other biological products
- Food and beverage: filtration of beer, wine, and distilled spirits, juices, syrups, and edible oils
- Chemical industry: filtration of grease and dirt, sludge, and gelatinous materials

Cartridge Sealing System

A spring-loaded sealing system provides optimal sealing compression to help prevent filter bypass even under the most arduous process conditions.



Dimensions (mm)



OD	No. of Cells	No. of Modules	A	B	C	D
8"	8	1	590	350	150	Φ250
	2*8	2	730			
	3*8	3	870			
	4*8	4	1,010			
12"	9	1	729	500	220	Φ350
	12	1	773			
	15/16	1	846			
	2*12	2	989			
	2*16	2	1,126			
	3*12	3	1,205			
	3*16	3	1,406			
	4*16	4	1,686			
16"	9	1	786	550	270	Φ350
	12	1	835			
	15/16	1	899			
	2*12	2	1,051			
	2*16	2	1,179			
	3*16	3	1,459			
	4*16	4	1,739			

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