

AFS3-8 -Series Sanitary Multi-Cartridge Vessels

Global Filter has specially designed multi cartridge filter housing for sterile filter applications. We can offer a range of high quality sanitary filter housings in stainless steel. The AFS-Series vessels have proven their quality in the pharmaceutical and beverage industries.

Features

- Hygienic and compact designed filter housing
- Suitable for 3, 5 or 8 filter cartridges
- Filter housing can be fully drained
- Suitable for length 10", 20", 30" or 40" filter cartridges
- Externally mechanically polished
- Various instrument configurations possible
- Suitable for cartridges with end-cap configuration X7 or X3 and X8

Standard Specifications

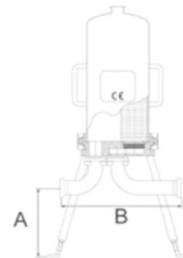
- Design code: EN13445
- PED 2014/68/EU
- Design pressure: -1 to 10 bar(g) at 40°C and -1 to 4 bar (g) at 150°C
- Operating pressure: depending on application
- Operating temperature : depending on application, filter cartridge and gasket
- All parts with fluid contact are stainless steel 316L
- Vessel material stainless steel 1.4404 (316L)
- Tri-clamp closing
- Three adjustable support legs
- Drain connections optional
- Internally mechanically polished (Ra < 0.8 µm)
- On-request internally mechanically polished (Ra < 0.4 µm) and/or electropolishing (internal/external) are possible
- O-ring sealing: standard silicone, FDA / BfR approved, other materials on-request

Typical Applications

- Filtration of beverage
- API
- Filtration of non hazardous fluids
- Fine chemicals

Ordering Information

AFS	# of Cartridges	Cartridge Length	Inlet/Outlet Side	Inlet /Outlet	Drain Connections	Cartridge Style
	3	1 = 10"	1.5 = 1.5"/DN40	B = Weld	0 = No Drains	7 = X7 and X6
	5	2 = 20"	2 = 2.0"/DN50	M = DIN 11851 male part	2 = Two Drains (clamp 1.5")	8 = X8 and X3
	8	3 = 30"	2.5 = 2.5"/DN65	T = Clamp ASME BPE		
		4 = 40"	3 = 3"/DN80			



A = Height Inlet / Outlet
 B = Distance Inlet / Outlet



Dimensions	Cartridge length	Number of cartridges		
		3	5	8
Diameter [mm]		168	219	273
Total height [mm]	10"	816	825	846
	20"	1065	1075	1096
	30"	1314	1325	1346
	40"	1564	1575	1596
Additional height required for lifting bowl [mm]	10"	290		290
	20"	540	540	540
	30"	790	790	790
	40"	1040	1040	1040
Volume [dm³]	10"	7.3	11	21.3
	20"	12.6	20	35.5
	30"	17.8	29.1	49.7
	40"	23.1	38.2	63.9
Total weight empty [kg]	10"	17.4	18	27
	20"	19.4	22	30
	30"	21.4	22	33
	40"	23.4	24	36

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