

CHDB Series - Sanitary Multi-Round Liquid Filter Housings



Sanitary Multi-Round Liquid Filter Housings are designed to meet requirements for sanitary construction with smooth crevice-free welding and TC-type sanitary connections. Easy to clean and disassemble. Suitable for higher flow rate applications with low-to-medium pressure conditions. This design is widely used in pharmaceutical, bio-technology, and food/beverage industries. The internal surface can be finely polished down to $Ra \leq 0.3\mu m$.

Features

- Ultra-high degree of polishing: Internal: $Ra \leq 0.3\mu m$; External: $Ra \leq 0.4\mu m$
- Meets GMP standards with smooth crevice-free welding and sanitary design. Excellent cleanability & liquid drainage.
- Vent port feature: Tri-clamp connection for convenience.
- A strengthened closure clamp allows a maximum operating pressure of 1.0MPa.
- The faceplate can be made detachable for full-surface cleaning.
- Suitable for CIP and SIP processes.
- Compatible with cartridge connection for 222 and 226.
- Optional N6 drain port (sampling port).

Surface Finish

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

Operating Conditions

Max. Operating Pressure:	1.0MPa (150psi)
Max. Operating Temperature:	140°C (284°F)

Materials

Shell Options:	304 or 316L Stainless Steel
Drain/Vent Port:	304 or 316L
Tri-Clamp:	304
Stabilizer Blade:	304
Seal Materials:	Silicone, FKM, EPDM

Connection

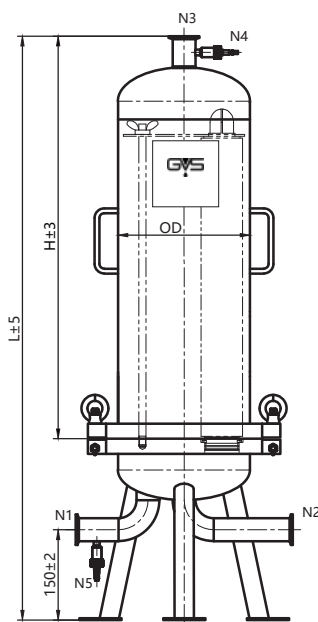
Shell Connection:	Flange eyebolt
Inlet & Outlet (N1, N2):	1.5", 2", 2.5" Tri-clamp
Vent Port(N4):	Sanitary hose barb valve fit with integrity test interface
Drain Port (N5, N6):	Sanitary hose barb valve for 8mm i.D. tubing
Pressure Gauge Port(N3):	1.5" Tri-clamp

Applications

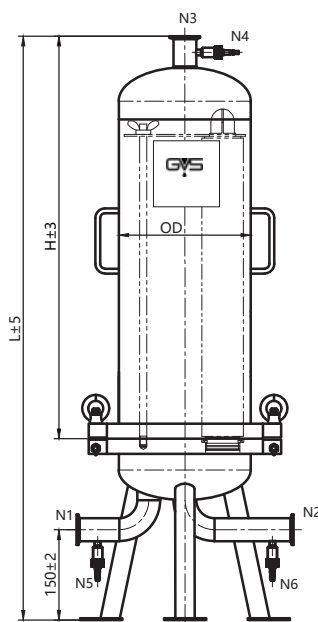
- Pharmaceuticals: filtration of injectables, LVPs, water for injection, antibiotics, and other biological products.
- Food and beverage: filtration of beer, wine, distilled spirits, juices, syrups, and drinking water.
- Petrochemical industry: filtration of oilfield water, organic solvents, acids, and alkaline fluids.
- Microelectronics: pre-filtration of high-purity water

Dimensions (mm)

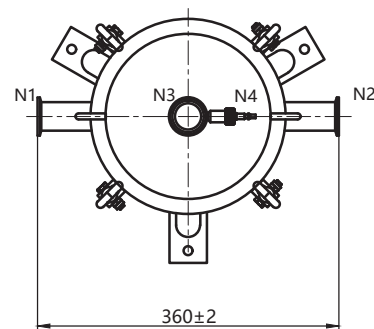
3-Round



Type A (N6-free)

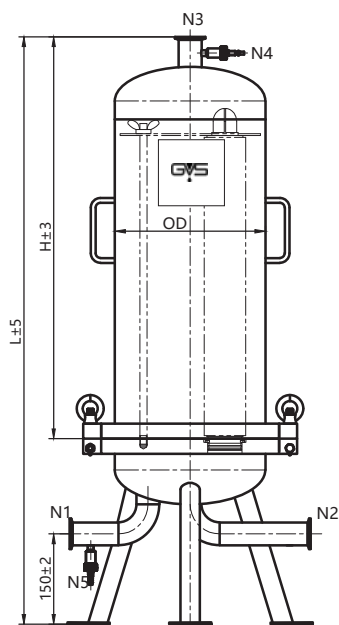


Type B

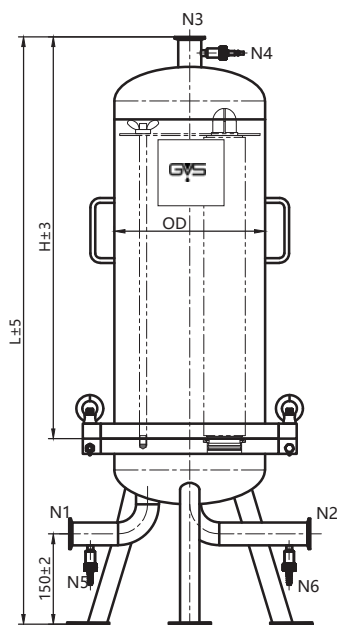


Housing Cartridge height(mm) length	H	L
10"	418	720
20"	668	970
30"	918	1,220
40"	1,168	1,470

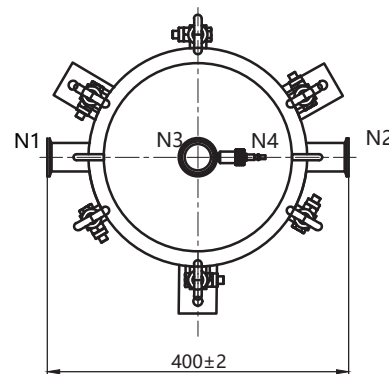
5-Round



Type A (N6-free)

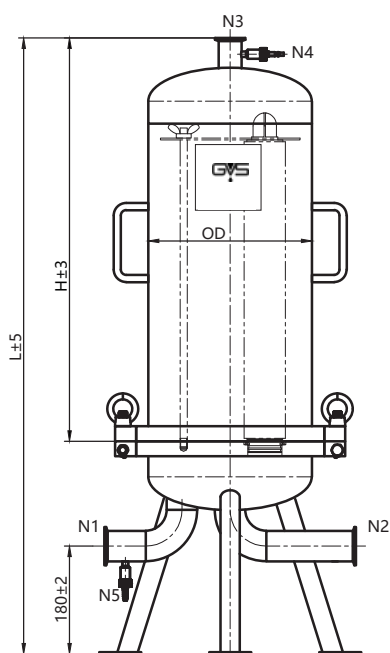


Type B

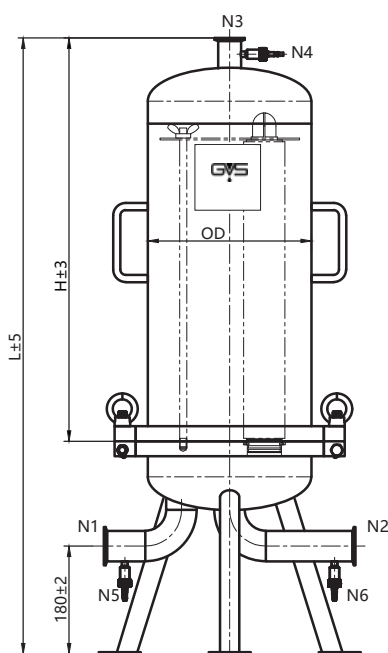


Housing Cartridge height(mm) length	H	L
10"	417	725
20"	667	975
30"	917	1,225
40"	1,167	1,475

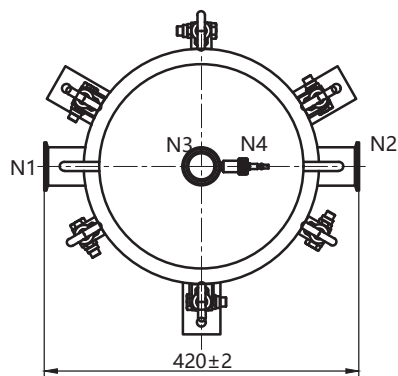
7-Round



Type A (N6-free)

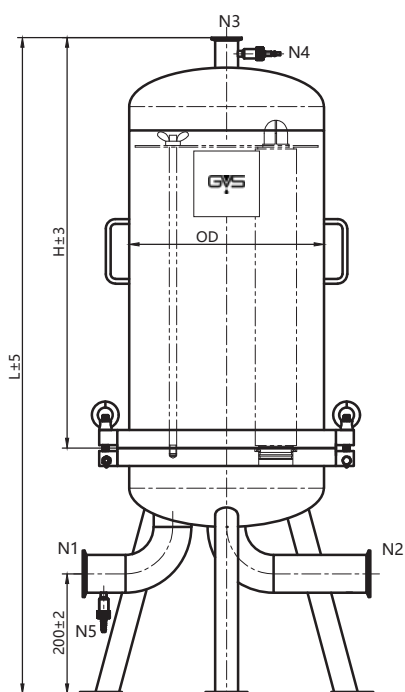


Type B

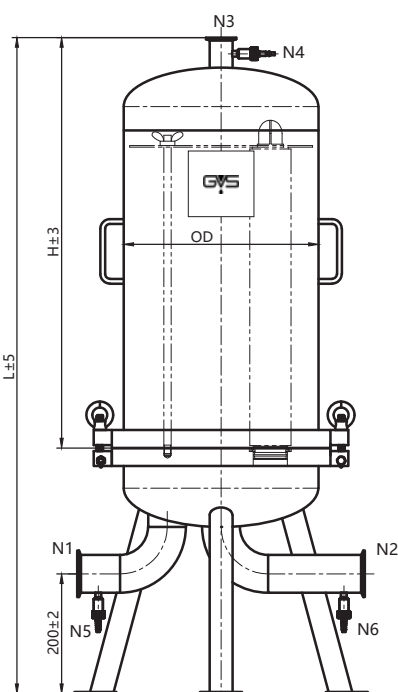


Housing Cartridge height(mm) length	H	L
10"	423	778
20"	673	1,028
30"	923	1,278
40"	1,173	1,528

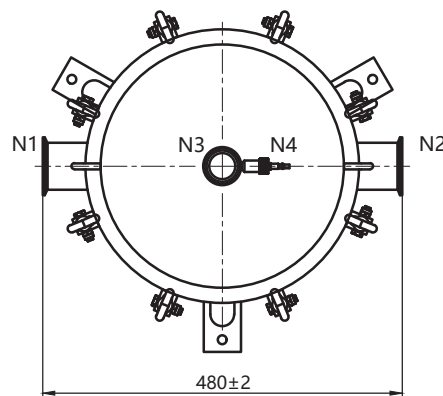
9-Round



Type A (N6-free)

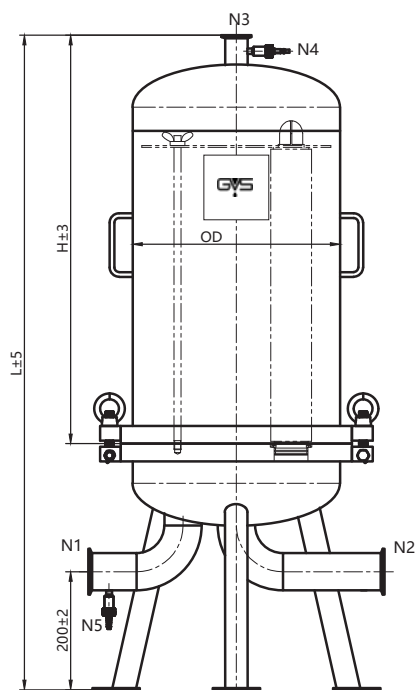


Type B

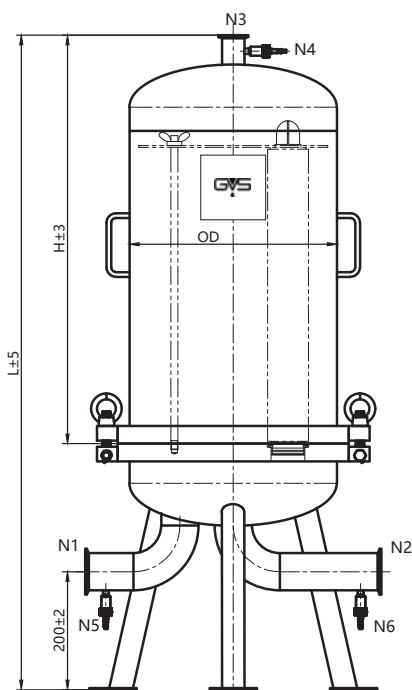


Housing Cartridge height(mm) length	H	L
10"	436	846
20"	686	1,096
30"	936	1,346
40"	1,186	1,596

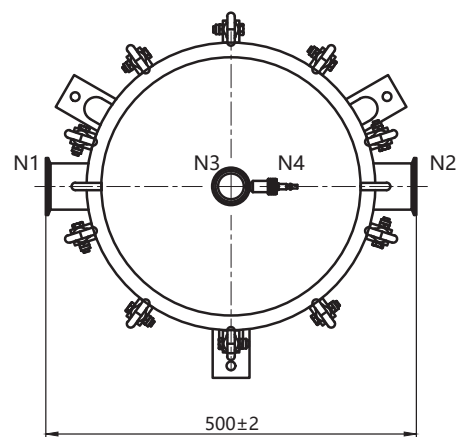
12-Round



Type A (N6-free)



Type B



Housing Cartridge Height(mm) length	H	L
10"	442	858
20"	692	1,108
30"	942	1,358
40"	1,192	1,608

Eg.=>CHDBAQJ0310T38SEFY

ORDERING INFORMATION									
Series	Connection	Shell Material	Qty.	Length	Inlet&Outlet	Seal Material	Surface Finish (internal)	Surface Finish (external)	Design Pressure
CHDBA=B Series Filter	Q = 226 / Fin	J=304	03 = 3	10 = 10"	T38=TC 1.5"(Only for 3	S=Silicone	E=Electropolished	E=Electropolished	Y=1.0Mpa
Housings(N6-free)	P = 222 / Fin	K=316L	05= 5	20 = 20"	cartridges)	E=EPDM	M=Mech. Polished	M=Mech. Polished	
CHDBB=B Series Filter	T = 226 / Flat		07 = 7	30 = 30"	T50=TC 2"	V=FKM			
Housings	M = 222 / Flat		09 = 9	40 = 40"	(for 5, 7 cartridges)				
			12 = 12		T63=TC 2.5"(for 9, 12 cartridges)				