

CHDE Series - Sanitary Vent Filter Housings



Sanitary Vent Filter Housings are comply with sanitary vessel design requirements. Suitable for gas sterilization filtration in the pharmaceutical and food industries. The top elbow is intended to prevent large particles and debris from entering the housing.

Features

- Ultra-fine polishing: Internal: $Ra \leq 0.3\mu m$, External: $Ra \leq 0.4\mu m$
- Complies with GMP standards.
- Excellent cleanability.
- Design prevents accumulation of liquid.
- Top elbow prevents external particles and debris from entering the housing
- The vent filter housings are available in single-opening A and top elbow B model, compatible with cartridge connection for 222 and 226.

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(10bar/150psi)
Max.Operating Temperature: 140°C(284°F)

Materials

Shell Options: 304 or 316L Stainless Steel

Clamp: 304 Stainless Steel

Seal Materials: Silicone, FKM, EPDM

Connection

Shell Connection: Clamp

Outlet&Inlet (N1, N2): Tri-clamp 1"(T25)

Applications

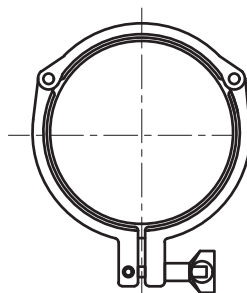
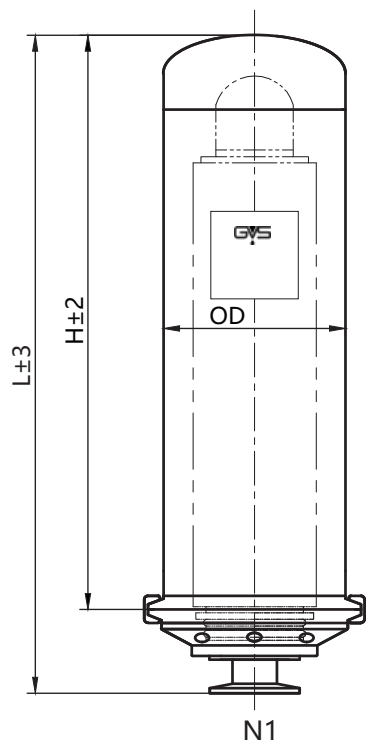
- Allows sterile filtration of vented gas flow in the production and storage of:
 - Pharmaceutical and bio-technology products
 - Fermentation process products
 - Food, beverages, potable water

Eg.=>CHDEAQJ0110T25SEFY

ORDERING INFORMATION									
Series	Connection	Shell Material	Qty.	Length	Inlet&Outlet	Seal Material	Surface Finish (internal)	Surface Finish (external)	Design Pressure
CHDEA = Vent Filter Housing Type A	Q = 226 / Fin	J=304	01=1	05 = 5"	T25=TCDN25	S=Silicone	E=Electropolished	E=Electropolished	Y=1.0Mpa
CHDEB = Vent Filter Housing Type B	P = 222 / Fin	K=316L		10 = 10"	B25=ASME-BPEDN25	E=EPDM	M=Mech. Polished	M=Mech. Polished	
	T = 226 / Flat			20 = 20"	F25=Flange DN25	V=FKM			
	M = 222 / Flat			30 = 30"					
				40 = 40"					

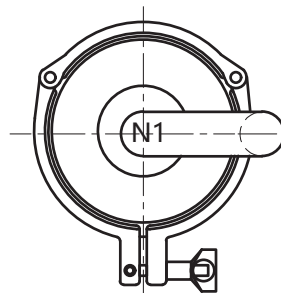
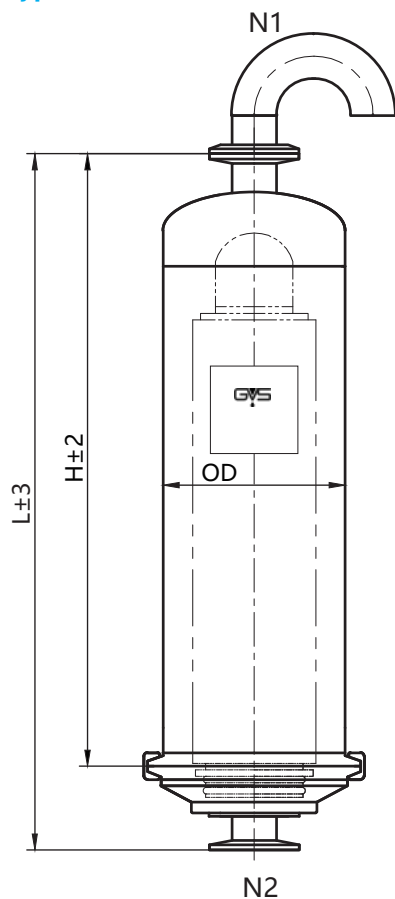
Dimensions (mm)

Type A



Housing Cartridge height(mm) length	H	L
5"	210	260
10"	340	390
20"	590	640
30"	840	890
40"	1,090	1,140

Type B



Housing Cartridge height(mm) length	H	L
5"	188	238
10"	318	368
20"	568	618
30"	818	868
40"	1,1068	1,118