

CHDC Series - Sanitary In-Line Filter Housings



Sanitary In-Line Filter Housings are the ideal choice when the application calls for a compact and cost-effective design. Suitable for filtration of liquids and gases. Uses a convenient clamp body closure and drain/vent ports.

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/Drain Valve: the threaded sleeve is separated from stepped hose barb, so the connection tube will not rotate when venting or draining.
- A strengthened closure clamp allows a maximum operating pressure of 1.0MPa.
- 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 (150psi)
Max. Operating Temperature:	140°C (284°F)

Materials

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

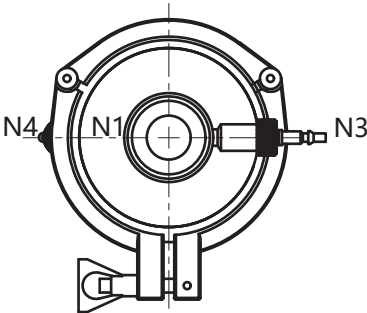
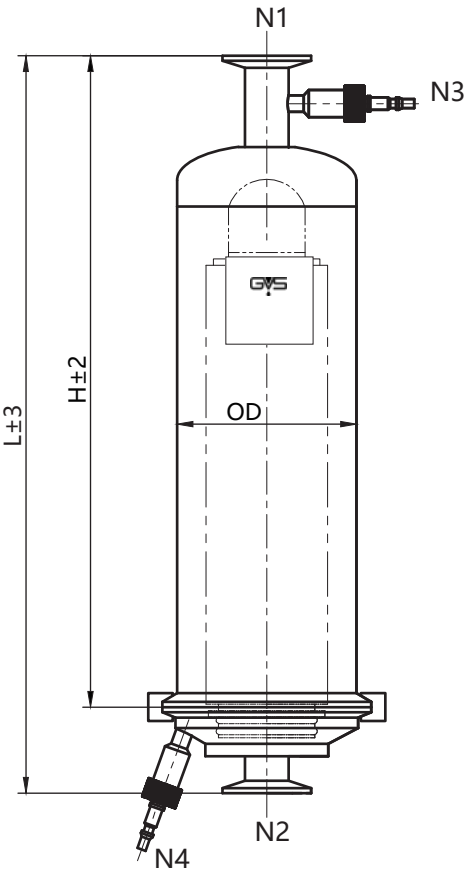
Connection

Shell Connection:	Tri-clamp
Inlet & Outlet (N1, N2):	1" Tri-clamp (T25)
Vent Port (N3):	Sanitary hose barb valve fit with integrity test interface
Drain Port (N4):	Sanitary hose barb valve for 8mm i.D. tubing

Applications

- Particle filtration of pipeline liquids.
- In-line gas filtration or as a respirator.
- Filtration of beverages, edible oils, etc.

Dimensions (mm)



Housing Cartridge height (mm) length	H	L
5"	238	288
10"	368	418
20"	618	668
30"	868	918
40"	1,118	1,168

Eg.=>CHDCQJ0105T25SEEY

ORDERING INFORMATION									
Series	Connection	Shell Material	Qty.	Length	Inlet&Outlet	Seal Material	Surface Finish (internal)	Surface Finish (external)	Design Pressure
CHDC=Sanitary In-Line	Q = 226 / Fin	J=304	01=1	05 = 5"	T25=TCDN25	S=Silicone	E=Electropolished	E=Electropolished	Y=1.0Mpa
Filter Housing	P = 222 / Fin	K=316L		10 = 10"	B25=ASME-BPE	E=EPDM	M=Mech. Polished	M=Mech. Polished	
	T = 226 / Flat			20 = 20"	DN25F25=Flange				
	M = 222 / Flat			30 = 30"	DN25 V=FKM				
				40 = 40"					