

# CHDA Series - Sanitary Single-Round Liquid Filter Housings



Sanitary Single-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 low flow rate applications with low-to-medium pressure conditions. This design is widely used in pharmaceutical, bio-technology, and food/beverage industries.

## 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 Port: 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.
- With a small footprint and ease of disassembly, this series is ideally suited for use in the manufacture of pharmaceutical and food/beverage product.
- The heavy-duty housing legs have strengthened threads for stability and ruggedness. Adjustable nuts on the legs allow height adjustment for installation convenience.
- Suitable for Suitable for Clean-in-Place and Steam-in Place 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: $Ra \leq 0.4\mu m$

## Materials

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

## 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

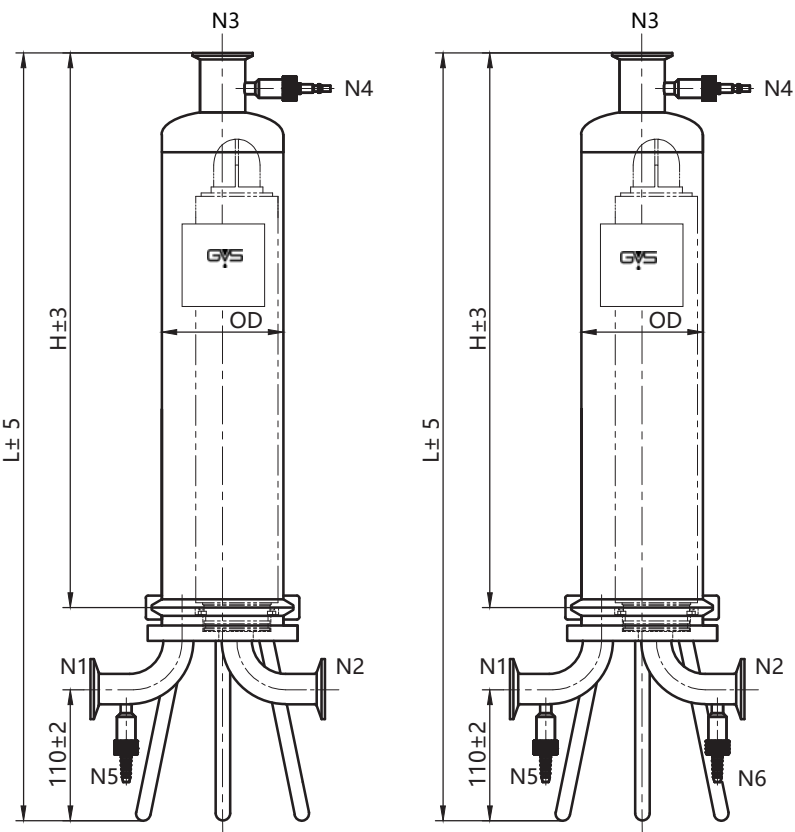
## Operating Conditions

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

## Connection

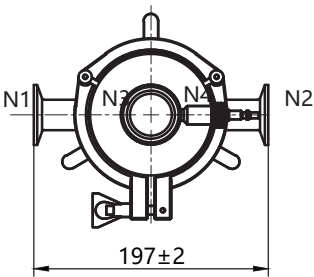
Shell Connection:	Tri-clamp
Inlet & Outlet (N1, N2):	1" Tri-clamp (T25)
Vent Port (N4):	Sanitary hose barb valve fit with integrity test interface
Drain Port (N5, N6):	Sanitary hose barb valve for 8mm i.D. tubing
Pressure Gauge Port (N3):	1.5" Tri-clamp

# Dimensions (mm)



Type A (N6-free)

Type B



Housing Cartridge height (mm) length	H	L
5"	240	420
10"	370	550
20"	620	800
30"	870	1,050
40"	1,120	1,300

Eg.=>CHDAAQJ0105T25SEEY

ORDERING INFORMATION											
Series	Connection	Shell Material	Qty.	Length	Inlet&Outlet	Seal Material	Surface Finish (internal)	Surface Finish (external)	Design Pressure		
CHDAA=CHDA Series Filter	Q = 226 / Fin	J=304	01=1	05 = 5"	T25=TCDN25	S=Silicone	E=Electropolished	E=Electropolished	Y=1.0Mpa		
Housigs(N6-free)	P = 222 / Fin	K=316L		10 = 10"	B25=ASME-BPE	E=EPDM	M=Mech. Polished	M=Mech. Polished			
CHDAB=CHDA Series Filter	T = 226 / Flat			20 = 20"	DN25	V=FKM					
Housings	M = 222 / Flat			30 = 30"	F25=Flange DN25						
				40 = 40"							