



HOUSFLOW CATALOG



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Housflow

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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: $Ra \leq 0.3\mu\text{m}$; External: $Ra \leq 0.4\mu\text{m}$
- 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: $Ra \leq 0.3\mu\text{m}$ External: $Ra \leq 0.4\mu\text{m}$

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

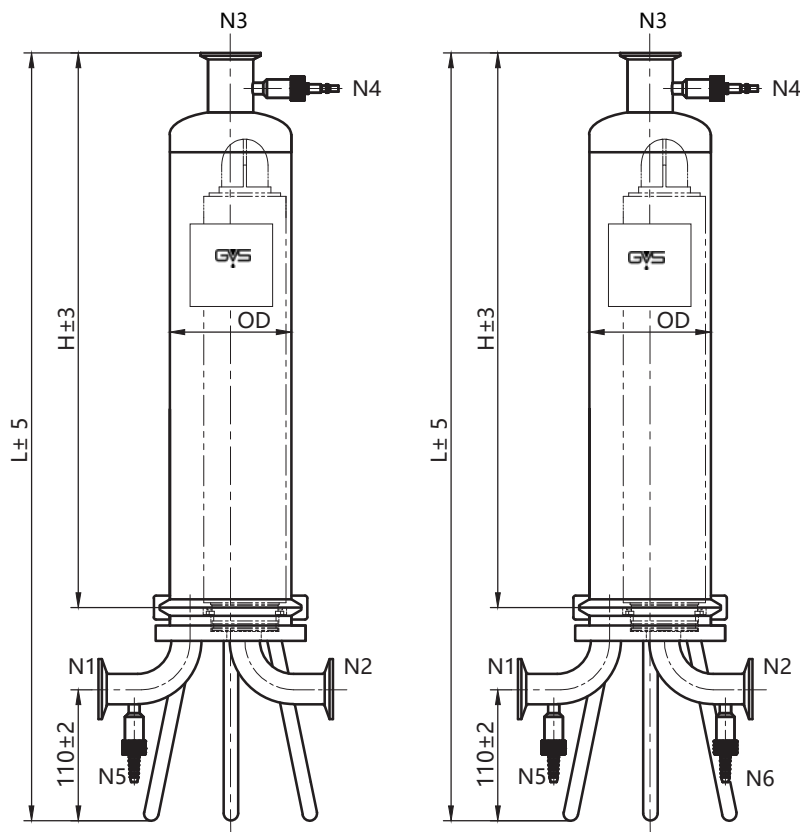
Operating Conditions

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

Connection

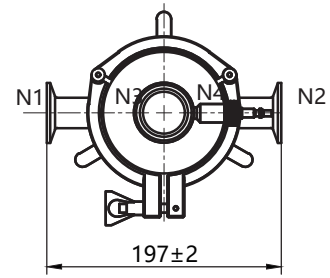
Shell Connection:	Tri-clamp
Inlet & Outlet (N1, N2):	1" Tri-clamp(T25)
Vent Port(N4):	Sanitary hose barb valve fit with integrity test interface
Drain Port (N5, N6):	Sanitary hose barb valve for 8mm i.D. tubing
Pressure Gauge Port(N3):	1.5" Tri-clamp

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			
Housigs	M = 222 / Flat			30 = 30"	F25=Flange DN25				
				40 = 40"					

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 $Ra \leq 0.3\mu\text{m}$.

Features

- Ultra-high degree of polishing: Internal: $Ra \leq 0.3\mu\text{m}$; External: $Ra \leq 0.4\mu\text{m}$
- 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: $Ra \leq 0.3\mu\text{m}$ External: $Ra \leq 0.4\mu\text{m}$

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

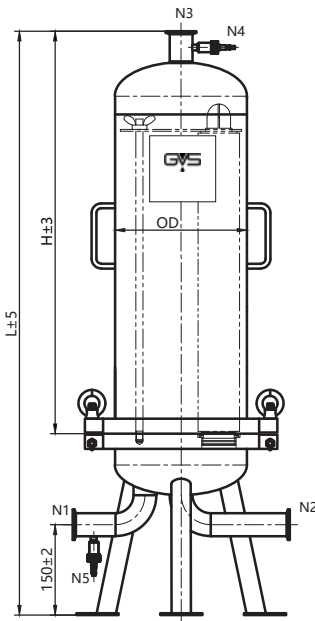
Shell Connection:	Flange eyebolt
Inlet & Outlet (N1, N2):	1.5", 2", 2.5" Tri-clamp
Vent Port(N4):	Sanitary hose barb valve fit with integrity test interface
Drain Port (N5, N6):	Sanitary hose barb valve for 8mm i.D. tubing
Pressure Gauge Port(N3):	1.5" Tri-clamp

Applications

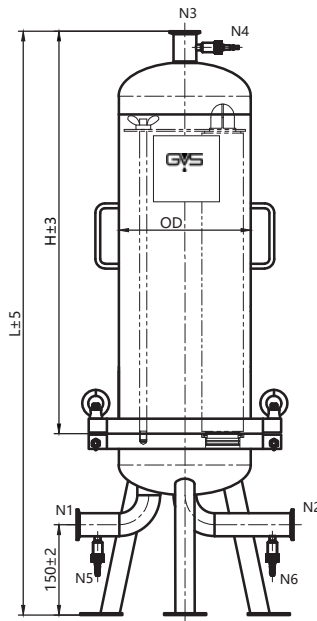
- Pharmaceuticals: filtration of injectables, LVPs, water for injection, antibiotics, and other biological products.
- Food and beverage: filtration of beer, wine, distilled spirits, juices, syrups, and drinking water.
- Petrochemical industry: filtration of oilfield water, organic solvents, acids, and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

Dimensions (mm)

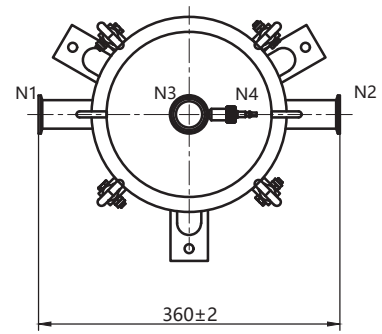
3-Round



Type A (N6-free)

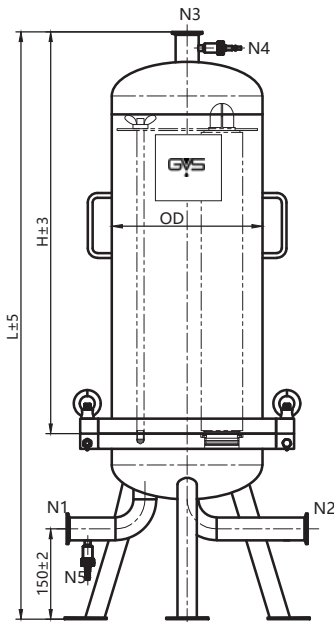


Type B

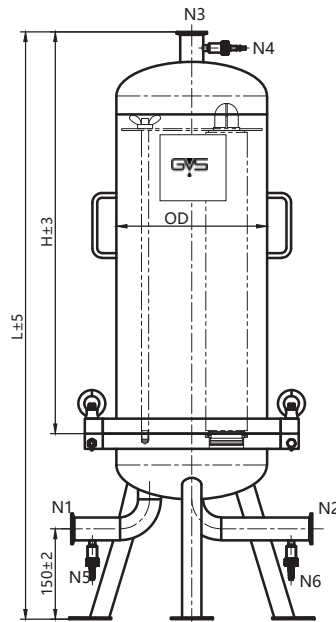


Housing Cartridge height(mm) length	H	L
10"	418	720
20"	668	970
30"	918	1,220
40"	1,168	1,470

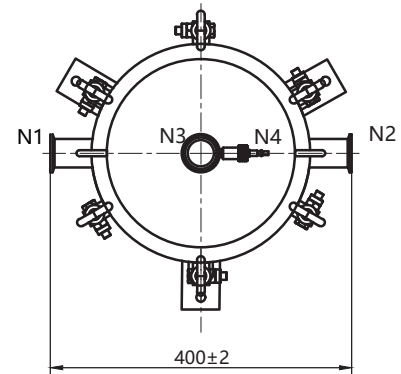
5-Round



Type A (N6-free)

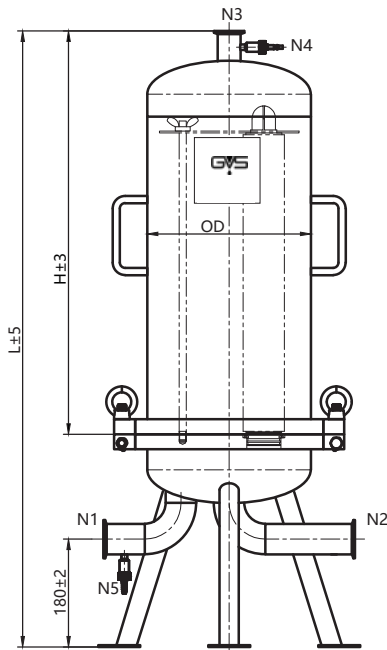


Type B

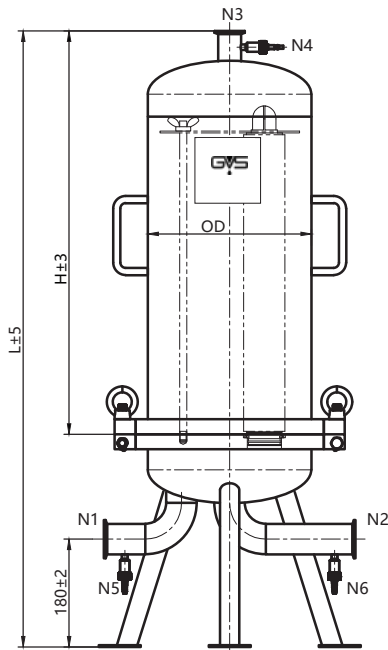


Housing Cartridge height(mm) length	H	L
10"	417	725
20"	667	975
30"	917	1,225
40"	1,167	1,475

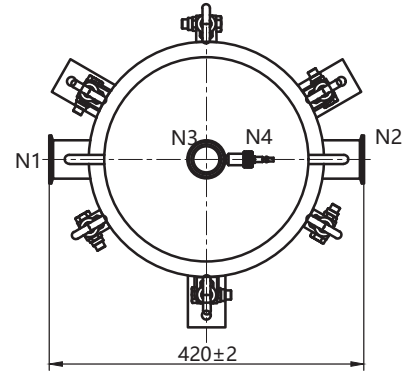
7-Round



Type A (N6-free)

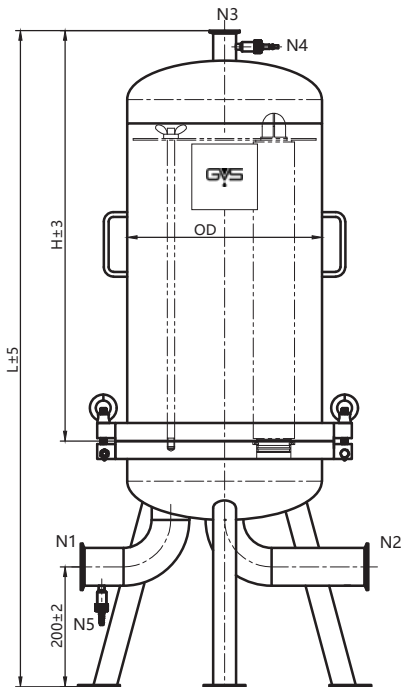


Type B

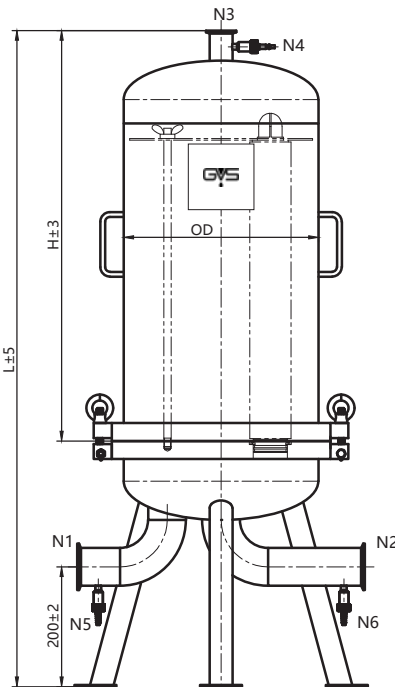


Housing Cartridge height(mm) length	H	L
10"	423	778
20"	673	1,028
30"	923	1,278
40"	1,173	1,528

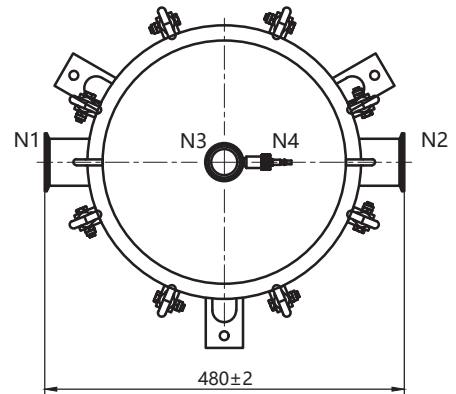
9-Round



Type A (N6-free)

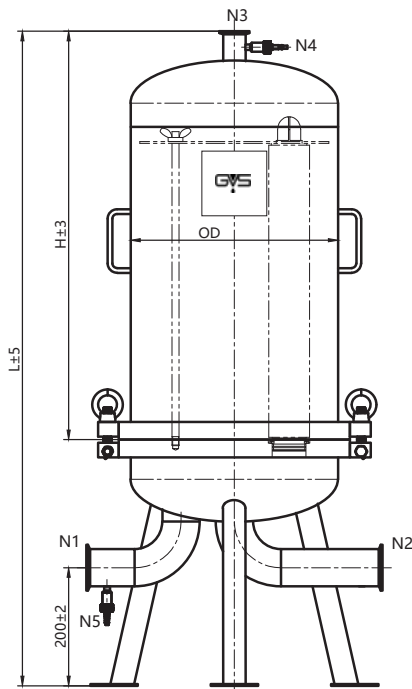


Type B

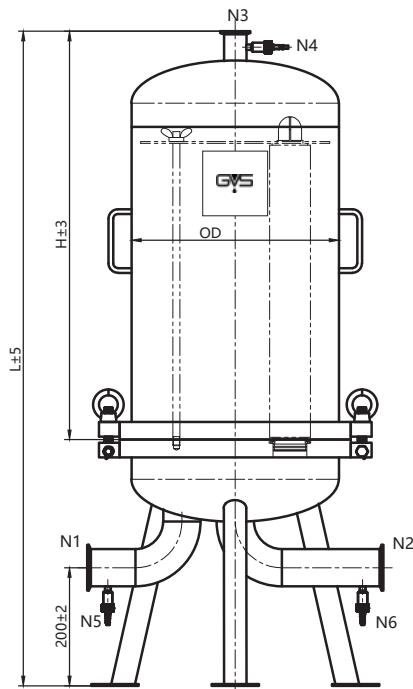


Housing Cartridge height(mm) length	H	L
10"	436	846
20"	686	1,096
30"	936	1,346
40"	1,186	1,596

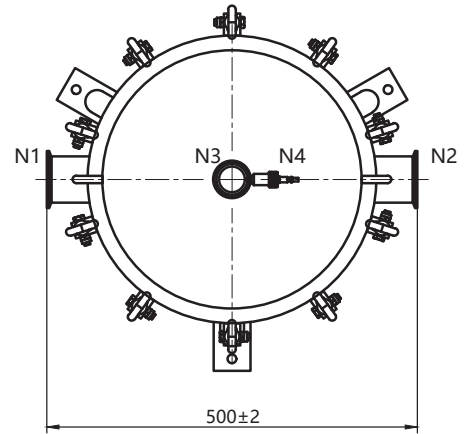
12-Round



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.=>CHDBAQJ0310T38SEEY

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)				

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

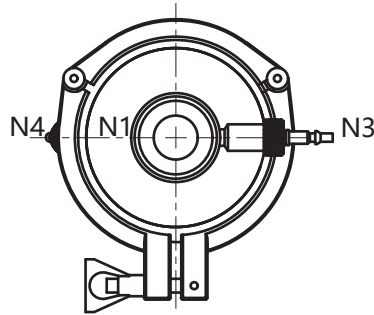
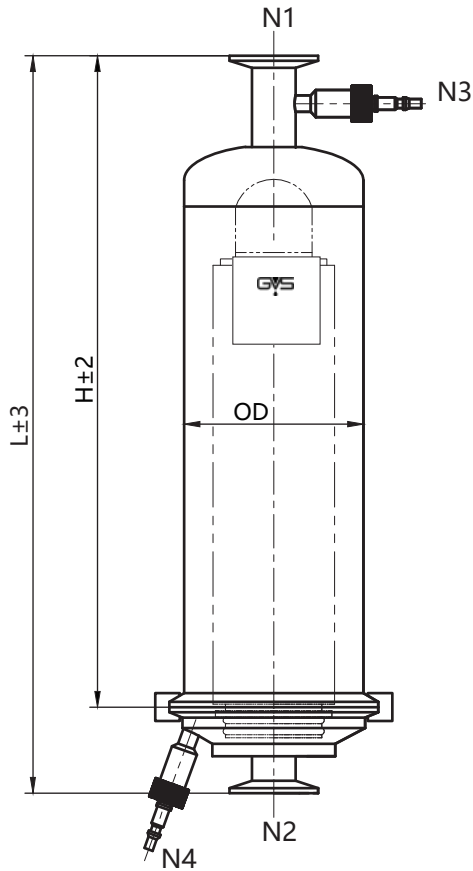
Connection

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 DN25 V=FKM				
	M = 222 / Flat			30 = 30"					
				40 = 40"					

CHDD Series - Sanitary Gas Filter Housings



Sanitary Gas Filter Housings are suitable for removal of particulate from gas streams. When used with appropriate sterilizing-grade filter cartridges, the combination can be used in high-purity sterile gas filtration.

Features

- Ultra-fine polishing: Internal: $Ra \leq 0.3\mu m$; External: $Ra \leq 0.4\mu m$
- Accepts 226-style cartridges with locking tabs to assure safe and secure sealing performance.
- The Tri-Clamp body connection allows easy servicing and cartridge change-out.
- Compatible with cartridge connection for 222 and 226, the housing is applied in high-purity, high-temperature, aseptic, fermentation, etc.

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: 0.6MPa (90psi, Tri-clamp)
Max. Operating Temperature: 1.0MPa (150psi, Flange)
140°C (284°F)

Materials

Shell Options: 304 or 316L Stainless Steel

Drain Port: 304 or 316L

Tri-clamp: 304

Stabilizer Blade: 304

Seal Materials: Silicone, FKM, EPDM

Connection

Shell Connection: Tri-clamp or Flange

Inlet & Outlet (N1, N2): 1", 1.5" Tri-clamp or DN25/
DN50 Flange (PL-RF, HG/
T20592-2009 PN16)

Pressure Gauge Port (N3): M14*1.5 Thread

Drain Port (N4): FNPT 1/4" Thread

Applications

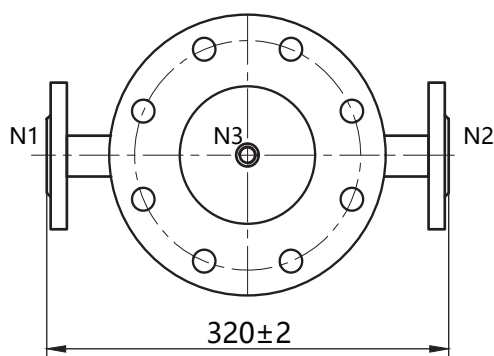
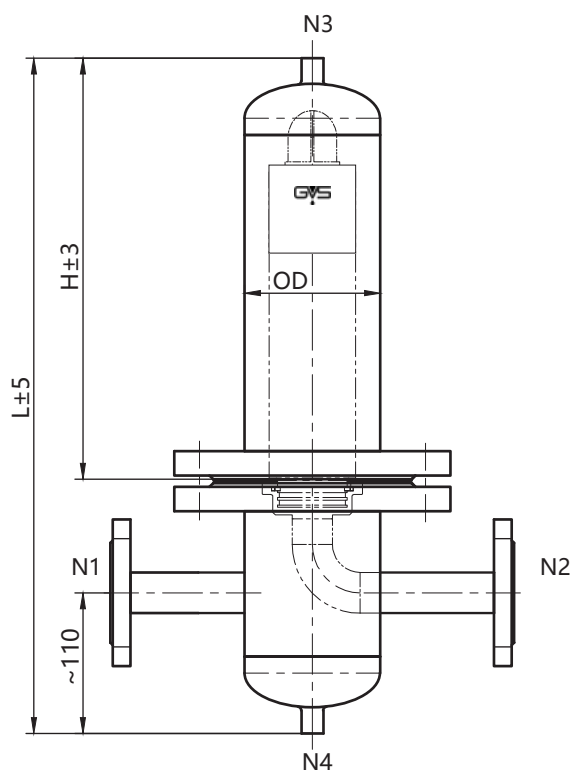
- Pharmaceuticals: gas sterilization and air/gas filtration in the production of biological products
- Food and beverage: gas sterilization and air/gas filtration in the production of food, beverages, and fermented products
- Chemical industry: filtration of industrial gases such as coal gas, hydrogen, nitrogen, and natural gas, among others
- Laboratory: environmental air filtration

Eg. => CHDDQJ0110T25SEEY

ORDERING INFORMATION									
Series	Connection	Shell Material	Qty.	Length	Inlet&Outlet	Seal Material	Surface Finish (internal)	Surface Finish (external)	Design Pressure
CHDD=Sanitary	Q = 226 / Fin	J=304	01=1	05= 5"	T25=TC 1"	S=Silicone	E=Electropolished	E=Electropolished	Y=1.0Mpa
Gas Filter Housing	P = 222 / Fin	K=316L		10 = 10"	T38=TC1.5"	E=EPDM	M=Mech. Polished	M=Mech. Polished	
	T = 226 / Flat			20 = 20"	F25=Flange DN25	V=FKM			
	M = 222 / Flat			30 = 30"	F50=Flange DN50				
				40 = 40"					

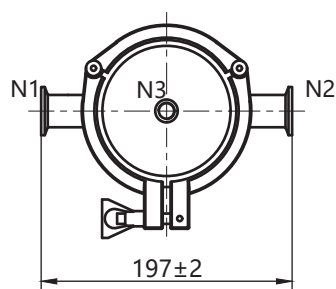
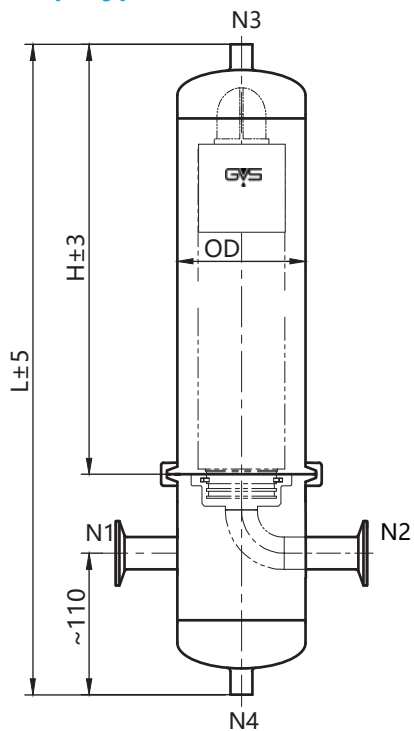
Dimensions (mm)

Flange Type



Housing Cartridge height(mm) length	H	L
5"	210	410
10"	340	540
20"	590	790
30"	840	1,040
40"	1,090	1,290

Tri-clamp Type



Housing Cartridge height(mm) length	H	L
5"	208	380
10"	338	510
20"	588	760
30"	838	1,010
40"	1,088	1,260

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

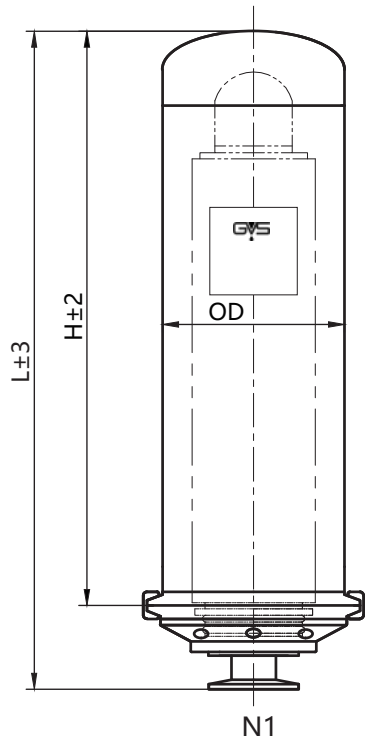
- Allows sterile filtration of vented gas flow in the production and storage of:
 - Pharmaceutical and bio-technology products
 - Fermentation process products
 - Food, beverages, potable water

Eg.=>CHDEAQJ0110T25SEEY

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"					

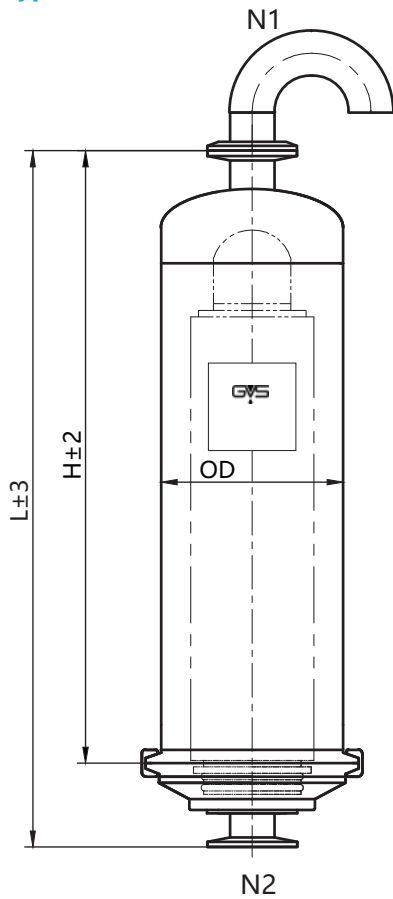
Dimensions (mm)

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

CHDH Series - Sanitary Depth-Stack Filter Housings



Sanitary Depth-Stack Filter Housings are a new type of depth-stack filter housing. Designed to meet requirements for sanitary construction with smooth crevice-free welding and TC-type sanitary connections. Easy to clean and disassemble. The co-linear inlet and outlet flow paths beneath the vessel shell serve to minimize liquid turbulence. Available for 8", 12" and 16" diameter cartridges up to four high modules to meet high flow rates requirements.

Features

- Ultra-high degree of polishing: Internal: $Ra \leq 0.3\mu m$; External: $Ra \leq 0.4\mu m$
- Liquid turbulence is minimized with co-linear inlet-outlet porting beneath the housing shell.
- Specially designed drain valves can optionally be installed on the inlet and outlet ports for easy liquid drainage.
- Allows vertical stacking of up to four depth-stack cartridges and provides high flow rates at high retention efficiency.
- Segmented cartridge design makes it more convenient to replace depth stack cartridges and helps to reduce liquid loss.
- The housing is fitted with DOE and stack with support plates part or handle, 3 modules for 8" and 4 modules for 12" and 16".
- 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 (10bar150psi)
Max. Operating Temperature:	80°C (176°F)

Materials

Shell Options:	304 or 316L Stainless Steel
Vent Port:	304 or 316L
Eyebolts:	304
Legs:	304
Seal Materials:	Silicone, FKM, EPDM

Connection

Shell Connection: Inlet & Outlet (N1,N2):	Eyebolt 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 (N3):	1.5" TC

Applications

- Pharmaceuticals: filtration of injectables, LVPs, water for injection, and other biological products
- Food and beverage: filtration of beer, wine, and distilled spirits, juices, syrups, and edible oils
- Chemical industry: filtration of grease and dirt, sludge, and gelatinous materials

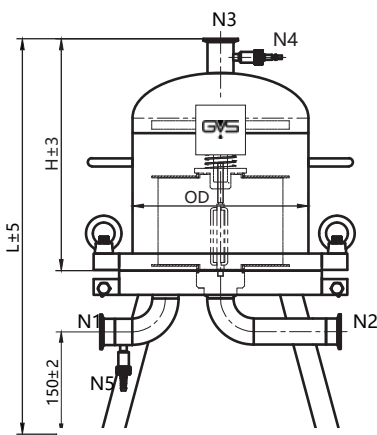
Cartridge Sealing System

A spring-loaded sealing system provides optimal sealing compression to help prevent filter bypass even under the most arduous process conditions.

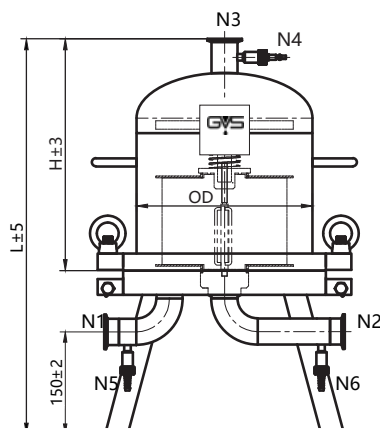


Dimensions (mm)

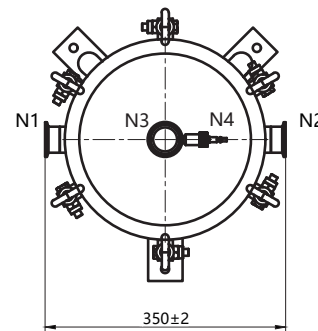
8"



Type A (N6-free)

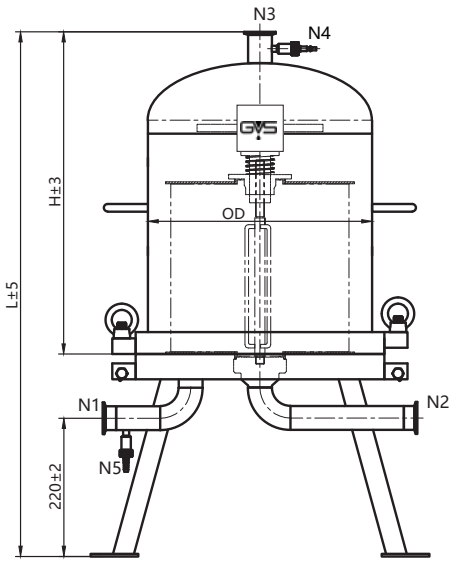


Type B

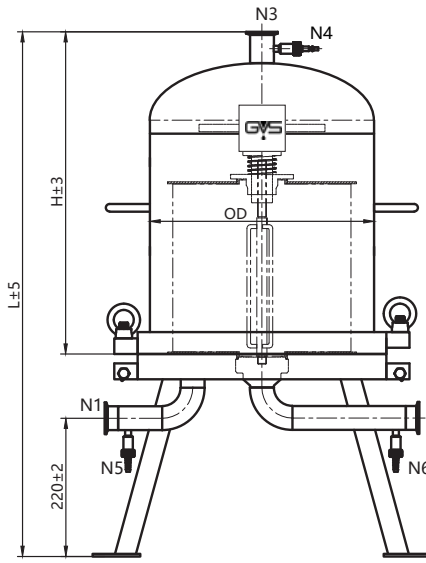


Housing Cartridge height (mm) length	H	L
8	337	572
16	477	712
24	617	852

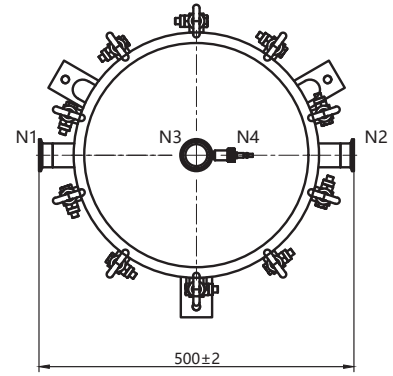
12"



Type A (N6-free)

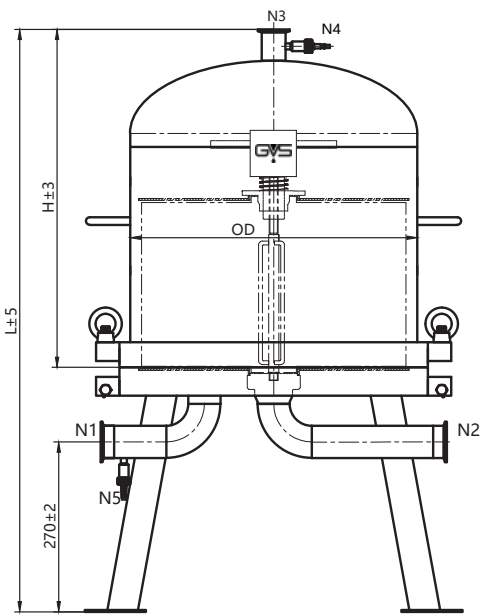


Type B

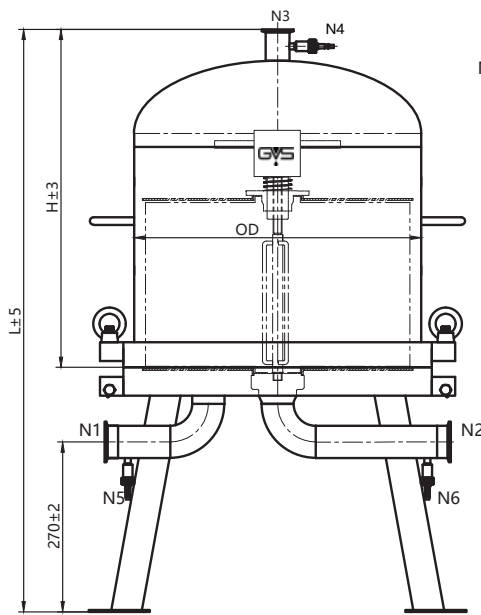


Housing Cartridge height(mm) length	H	L
16	512	825
32	792	1,105
48	1,072	1,385
64	1,352	1,665

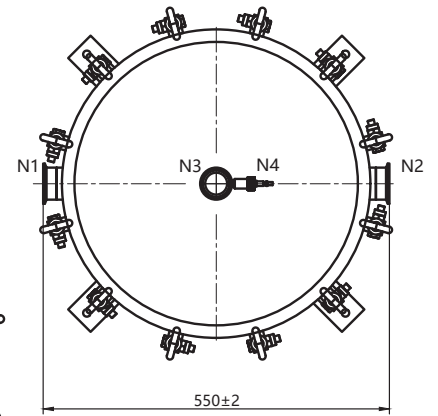
16"



Type A (N6-free)



Type B



Housing Cartridge height(mm) length	H	L
16	537	915
32	817	1,195
48	1,097	1,475
64	1,377	1,755

Eg.=>CHDHAFJ0801T38SEEY

ORDERING INFORMATION								
Series	Connection	OD	Cells	Inlet&Outlet	Seal Material	Surface Finish (internal)	Surface Finish (external)	Design Pressure
CHDHAF= H Series Filter	J=304	08= 8"	01= 8(8")	T38=TC1.5"/ for 8",12"	S=Silicone	E=Electropolished	E=Electropolished	Y=1.0Mpa
Housings(N6-free)	K=316L	12 = 12"	05= 16	T50=TC2"/ for 16"	E=EPDM	M=Mech. Polished	M=Mech. Polished	
CHDHBF= H Series Filter		16 = 16"	07 = 24(8")		V=FKM			
Housings			10 = 32(12",16")					
			13 = 48(12",16")					
			15 = 64(12",16")					

CHDM Series - High Flow Filter Housings



CHDM Series - High Flow vertical Filter Housings are designed to accommodate HF series High Flow filter cartridges intended for use primarily for higher fluid flow applications, especially in water treatment. Housings are available in a range of sizes accommodating from 1 to 5 cartridges in lengths of 40" . Constructed of high quality 304 or 316L stainless steel suitable for use in high temperatures, with tolerance to acids, alkalis, and organic chemicals. The vertical option minimizes the system's footprint. Customized configurations are available to suit customers' specific needs.

Features

- Using quality stainless steel components to build all housings, ensures consistent quality and performance.
- Large cartridge size with expansive filtration area provides for high-volume liquid filtration at high retention efficiency with a low initial investment.
- Housings are manufactured with crevice-free internals, fine polishing inside to ensure surface smoothness. Preferable for potable water and food/beverage production

Surface Finish

Finish Processing Options: Internal: Mech Polished / Passivated
External: Mech Polished / Passivated / Abrasive Blasted

Materials

Shell Options: 304 or 316L
Vent Port: 304 or 316L
Eyebolts: 304
Legs: 304
Seal Materials: Silicone, FKM, EPDM

Operating Conditions

Max. Operating Pressure: 1.0MPa (150psi)
Max. Operating Temperature: 80°C (176°F)

Connection

Num	Name	Specification	Connection	Note
N1	Inlet	pl-rf	Flange	HG/T20592-2009 PN16
N2	Outlet	pl-rf	Flange	HG/T20592-2009 PN16
N3	Vent	FNPT1/4"	Thread	-
N4	Pressure Gauge Connection	M14*1.5	Thread	-
N5	Outlet	FNPT1/4"	Thread	-

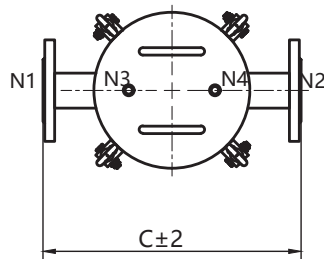
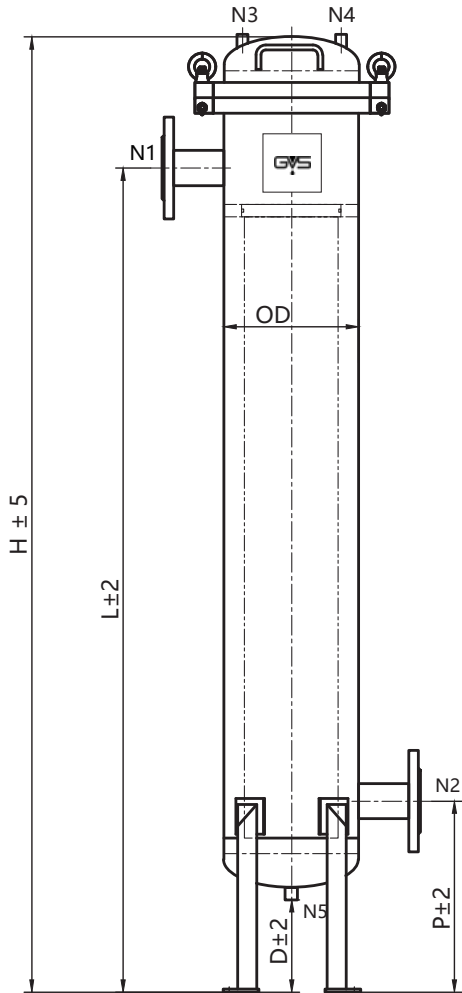
Applications

- Pre-filtration of RO systems; Bottled water production
- Filtration of process water, condensate water, cooling water, waste water
- Chemical industry filtration of acids, alkaline liquids, organic solvents
- Energy industry condensate & cooling waters
- Food and beverage: filtration of drinks, beverages and drinking water

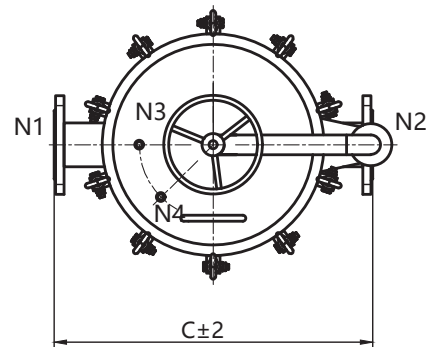
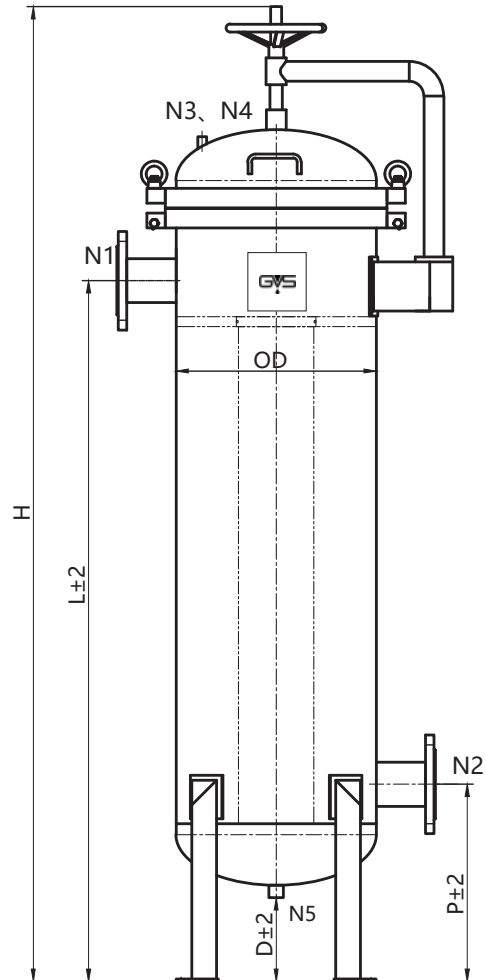
Eg.=>CHDMHJ0140F50SEEY

ORDERING INFORMATION									
Series	Connection	Shell Material	Number Round	Number Round	Inlet&Outlet	Seal Material	Surface Finish (internal)	Surface Finish (external)	Design Pressure
CHDM=High Flow Filter Housings	HF=HF Series Cartridges	J=304 K=316L	01 = 1	20 = 20"	F50=DN50/(for Single-round)	S=Silicone	M=Mech. Polished	M=Mech. Polished	Y=1.0Mpa
			02 = 2	40 = 40"	F80=DN80/(for 2-round)	E=EPDM	P=Passivated		
			03 = 3	60 = 60"	F100=DN100/(for 3-round)	V=FKM	S=Abrasive Blasted		
			04 = 4		F125=DN125/(for 4/5-round)				
			05 = 5						

Single-round 40"



Multi-round 40"



Cartridges (mm)	H	L	P	N	C	D	OD
1	1550	1340	310	DN50	420	150	ø219
2	1980	1420	400	DN80	645	170	ø406
3	2030	1440	420	DN100	695	170	ø456
4	2090	1470	450	DN125	750	170	ø508
5	2120	1480	460	DN125	800	170	ø558

CHDN Series - Bag Filter Housings



CHDN Series - Bag Filter Housings from Filtration are offered in a range of sizes and port options to meet your needs for liquid filtration. The housings are fabricated using best-practice, industry leading production methods to deliver high quality and best value. These are an excellent choice for liquid filtration covering a wide range of applications: food and beverage, fine chemicals, process fluids. The single-bag and multi-bag housings can be customized depending on the user's specific needs.

Features

- Using quality stainless steel components to build all housings, ensures consistent quality and performance.
- The three-point clamping closure ensures excellent sealing performance.
- The swingbolt closure with eyebolts allows for easy handling and servicing.
- Strengthened filter baskets provide more robust construction and longer service life.
- Housings are manufactured with crevice-free internals, fine polishing inside to ensure surface smoothness.
- Preferable for potable water and food/beverage production.
- Compatible with 1# bag and 2# bag.

Surface Finish

Finish Processing Options: Internal: Mech Polished / Passivated
 External: Mech Polished / Passivated / Abrasive Blasted

Operating Conditions

Max. Operating Pressure: 1.0MPa (150psi)
 Max. Operating Temperature: 80°C (176°F)

Materials

Shell Options: 304 or 316L
 Eyebolts: 304
 Legs: 304
 Seal Materials: FKM, EPDM

Connection

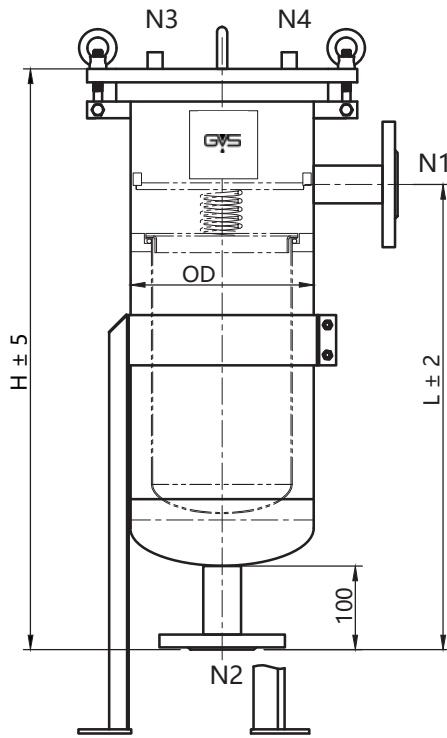
Num	Name	Connection	Note
N1	Inlet	FlangePL-RF/tc	HG/T20592-2009 PN16
N2	Outlet	FlangePL-RF/tc	HG/T20592-2009 PN16
N3	Vent	FNPT1/4" Thread	-
N4	Pressure Gauge Connection	M14*1.5 Thread	-

Applications

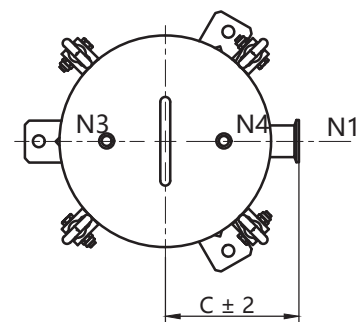
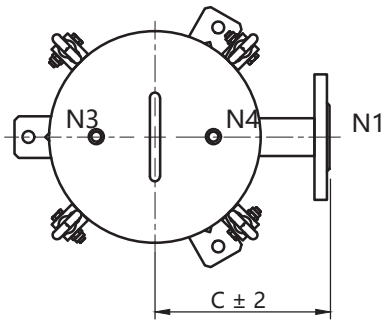
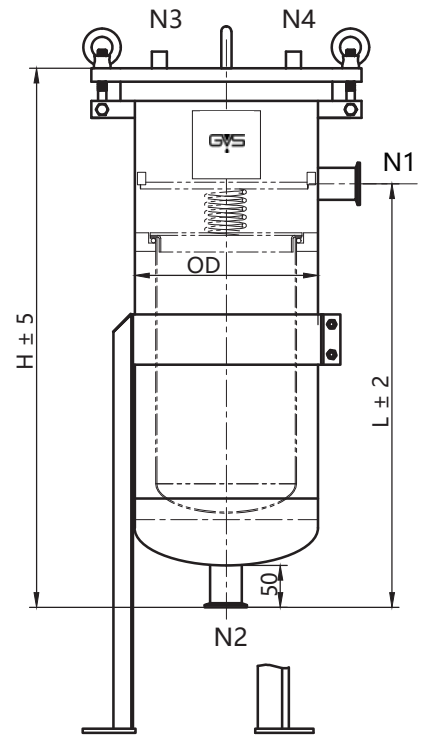
- Pre-filtration of RO systems, Bottled water production
- Filtration of process water, condensate water, cooling water, & waste water
- Chemical industry filtration of acids, alkaline liquids, & organic solvents
- Energy industry condensate & cooling waters

Dimensions (mm)

Single-bag 1#Flange

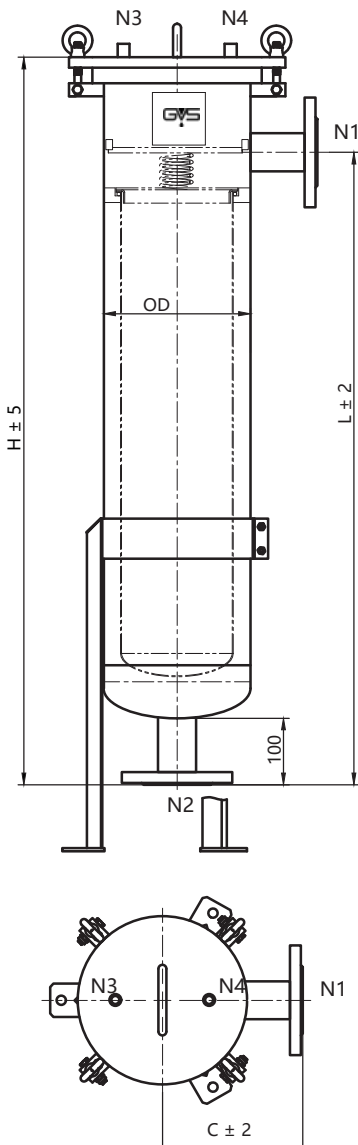


Single-bag 1#TC

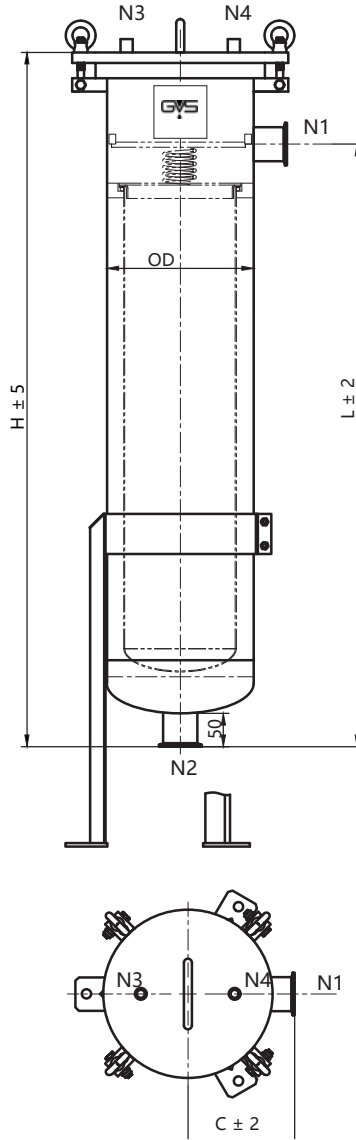


Mode	(mm)	H	L	P	N	C	OD
1# Single-bag TC		645	505	-	1.5"	150	ø219
1# Single-bag Flange		695	555	-	DN40	210	ø219
2# Single-bag TC		1045	905	-	2"	150	ø219
2# Single-bag Flange		1095	950	-	DN50	210	ø219
2#2 bags Flange		1680	1120	400	DN80	645	ø406
2#3 bags Flange		1730	1140	420	DN100	695	ø456
2#4 bags Flange		1790	1170	450	DN125	750	ø508
2#5 bags Flange		1820	1180	460	DN125	800	ø558

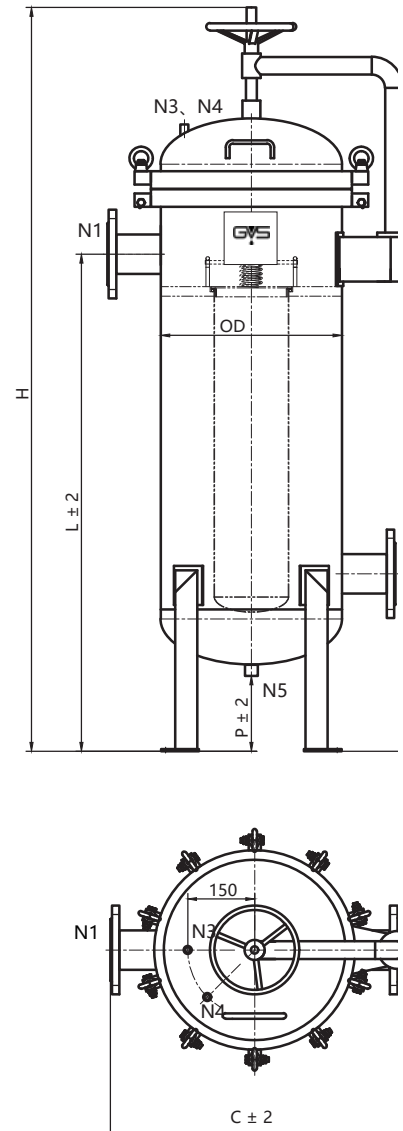
Single-bag 2#Flange



Single-bag 2#TC



Multi-bag 2#Flange



Eg.=>CHDNJ0101T38SMMY

ORDERING INFORMATION

Series	Shell Material	Number Round	FilterBag	Inlet&Outlet	Seal Material	Surface Finish (internal)	Surface Finish (external)	Design Pressure
CHDN=Bag Filter	J=304	01=1	01=1#	T38=TC 1.5"/(for Single-bag 1#)	S=Silicone	M=Mech. Polished	M=Mech. Polished	Y=1.0Mpa
	K=316L	02=2	02=2#	T50=TC 2"/(forSingle-bag2#)	E=EPDM	P=Passivated	P=Passivated	
		03=3		F40=Flange DN40/(for Single-bag 1#)	V=FKM		S=Abrasive Blasted	
		04=4		F50=Flange DN50/(for Single-bag 2#)				
		05=5		F80=Flange DN80/(for 2 bags 2#)				
		06=6		F100=Flange DN100/(for 3 bags 2#)				
		07=7		F125=Flange DN125/(for 4/5 bags 2#)				
		08=8						

CHDSBC Series - Multi-Cartridge Liquid Filter Housings



w/ Swing Bolt Closure

Manufactured of AISI304 or AISI316L stainless steel for high-purity industrial filtration requirements. The flexible design accommodates DOE, 222/FIN, and 222/FLAT style cartridges. They accept standard 2.5" to 2.85"OD filter cartridges in configurations of up to 50-around and up to 40" cartridge length.

This housing series offers a great many options for cartridge quantity, flow rate capacity, and porting. They're the standard choice to support higher flow rate applications with abundant options for cartridge media types and retention ratings.

Features

- Rugged swing-bolt closure allows easy access for cartridge changes.
- Strengthened, welded legs provide a stable and durable installation.
- 150 psi (10 bar) operating pressure rating.
- Davit arm hand wheel features improved ease of operation (12 around and up).
- Can provide flow rates to 1,200 GPM and beyond.

Applications

- Suitable for the broadest range of industrial applications from process fluid streams for water, aqueous solutions, oils, and fine chemicals
- Used in food and beverage production: filtration of juices, syrups, food ingredients, and bottled water

Product Quality

- Manufactured within an ISO 9001:2015 certified quality management system.
- Certification of Quality document can be provided upon request.

Materials of Construction

Shell Components	AISI304 or AISI316L Stainless Steel
Seal Options	EPDM (standard), SILICONE, NBR, FKM

Surface Finish

Surface Quality	Glass beaded finish is standard Industrial electropolish option
-----------------	---

Operating Conditions

Operating Temperature	121°C (250°F) max.
Design Pressure	10 bar (150 psi)

Cartridge Type



Pleated



Melt Blown



String Wound



DOE



222/Fin

End Cap

CHDSBC Series - Multi-Cartridge Liquid Filter Housings

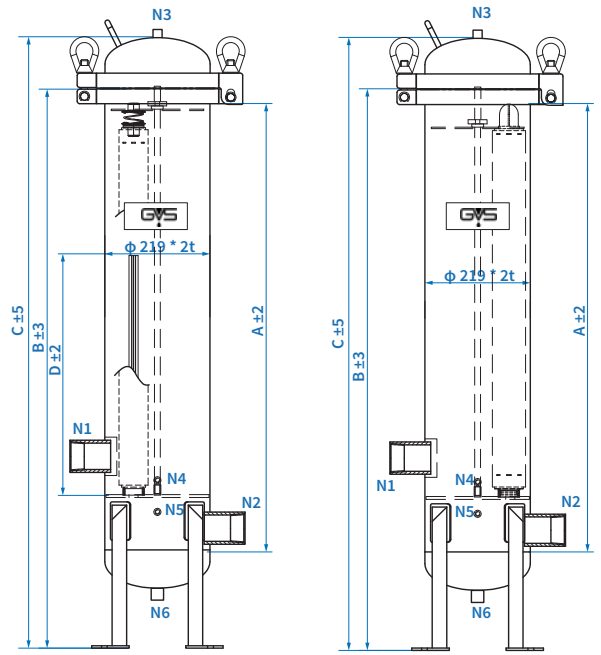
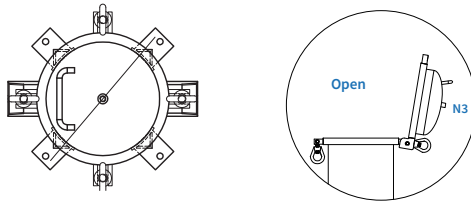


Dimensions (mm)

Industrial Cartridge Housing - 5X

Num	Name	Specification	Connection mode
N1	Inlet	FNPT 2"	Thread
N2	Outlet	FNPT 2"	
N3	Vent	FNPT 1/4"	
N4	Gauge	FNPT 1/4"	
N5	Gauge	FNPT 1/4"	
N6	Drain	FNPT 1/2"	

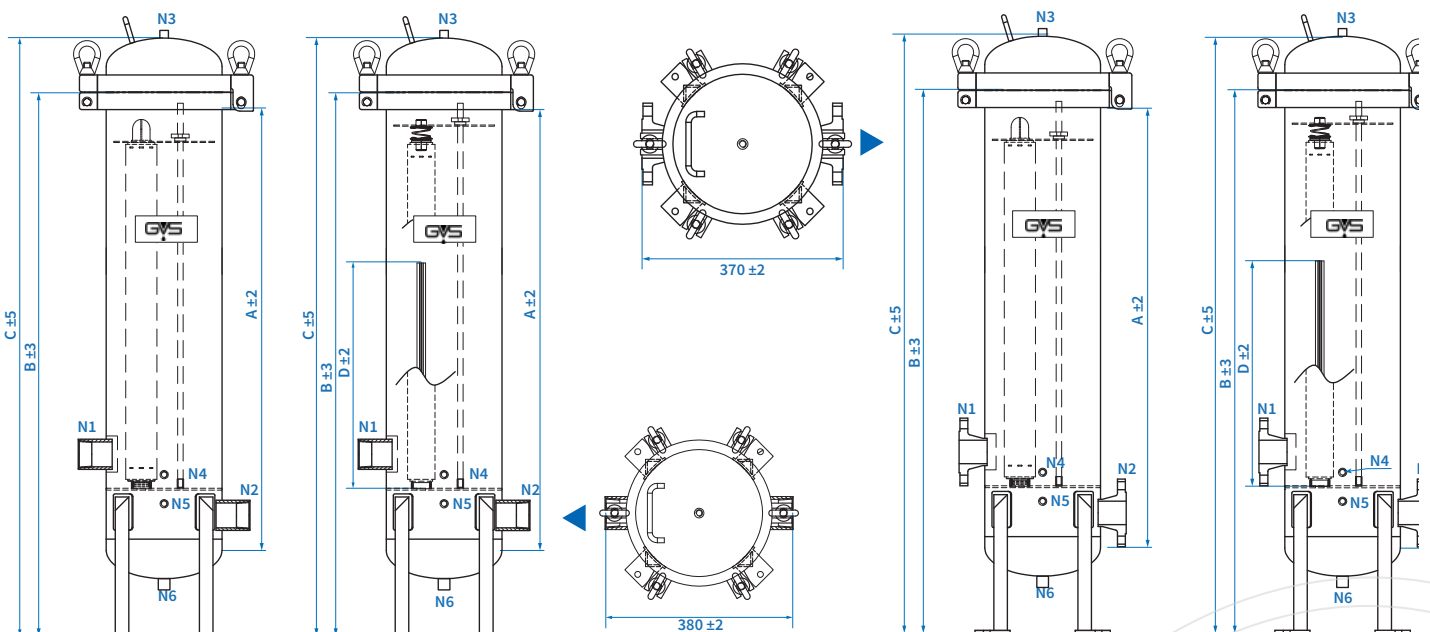
Size	A	B	C	D
10"	430	665	770	120
20"	680	915	1020	247
30"	930	1165	1270	498
40"	1180	1415	1520	746



Industrial Cartridge Housing - 7X

Size	A	B	C	D
10"	450	700	820	120
20"	700	950	1070	247
30"	950	1200	1320	498
40"	1200	1450	1570	746

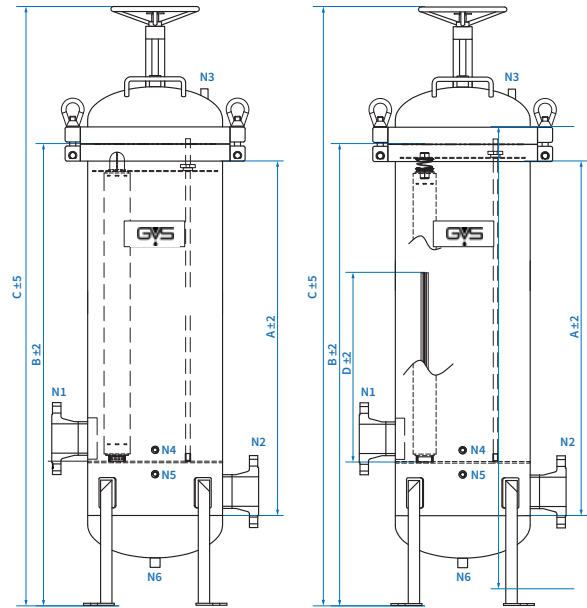
Num	Material	Name	Specification	Connection mode
N1	304	Inlet	FNPT 2"	Thread
	316L	Outlet	WN50-150RF	Flange
N2	304	Inlet	FNPT 2"	Thread
	316L	Outlet	WN50-150RF	Flange
N3	304/316L	Vent	FNPT 1/4"	Thread
N4		Gauge	FNPT 1/4"	
N5		Gauge	FNPT 1/4"	
N6		Drain	FNPT 1/2"	



Dimensions (mm)

Industrial Cartridge Housing - 12X

Num	Name	Specification	Connection mode
N1	Inlet	FNPT 2"	Thread
N2	Outlet	FNPT 2"	
N3	Vent	FNPT 1/4"	
N4	Gauge	FNPT 1/4"	
N5	Gauge	FNPT 1/4"	
N6	Drain	FNPT 1/2"	



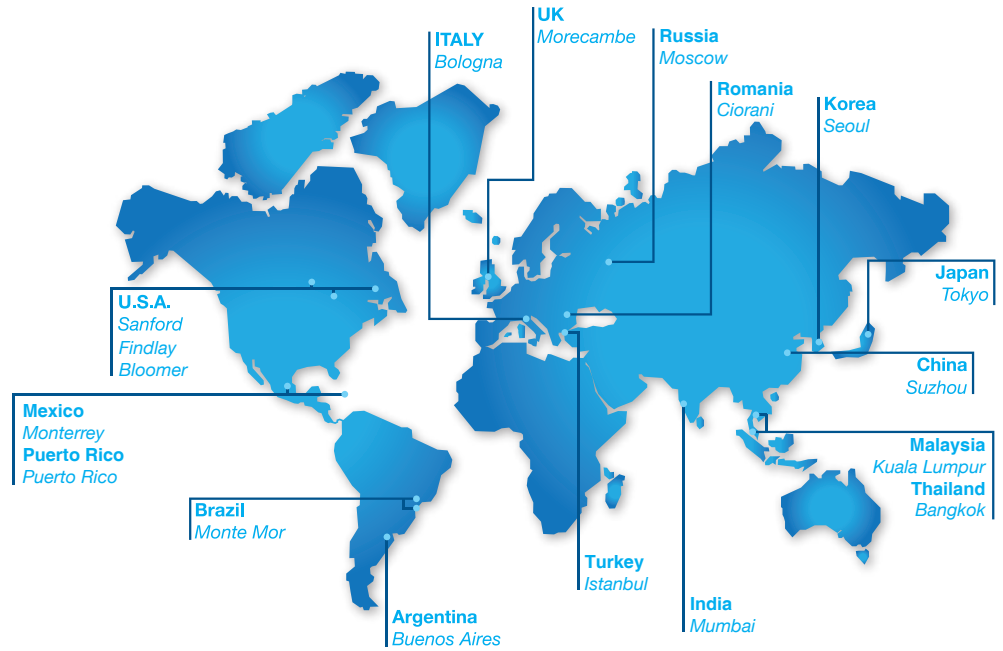
Industrial Cartridge Housing - 7X

Size	A	B	C	D
10"	430	665	770	120
20"	680	915	1020	247
30"	930	1165	1270	498
40"	1180	1415	1520	746

Eg. => CHDSBC4120N304SEP

ORDERING INFORMATION							
Series	Ctg Qty	Cartridge Length	Main Ports	Material	Seals	Option, Standard	
CHDSBC	4	4 Cartridges	1 10"	20N 2"FNPT	304 AISI304	E EPDM	EP Electropolished
	5	5 Cartridges	2 20"	30N 3"FNPT	316L AISI316L	B NBR	
	7	7 Cartridges	3 30"	20F 2"RF FLANGE		S Silicone	
	12	12 Cartridges	4 40"	30F 3"RF FLANGE		V FKM	
	21	21 Cartridges		40F 4"RF FLANGE			
	36	36 Cartridges		60F 6"RF FLANGE			
	51	51 Cartridges					





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PRODUCT COLLECTION - Housing

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