FBDSCF01EN

CF Series Filter Housings

Single-Round Filter Housing for Sanitary Liquid Filtration

Description

CF Series sanitary housings are designed specifically for liquid filtration in the food and beverage industry[1].

- Enhanced cleanability and microbiological safety due to crevice-free, polished and hygienic design
- Corrosion resistance and durability with 316L stainless steel wetted parts and high-quality welds
- Cost-effective without sacrificing quality and performance

CF Housings are available in a standard sanitary design allowing a variety of connection options.

Feature and Benefits

- Suitable for flow rates up to 91 liters/min (24 USgpm) depending on cartridge type and size.
- Suitable for CIP and SIP.
- Beveled housing tube sheet and aseptic-style housing seal provides enhanced drainability and a crevice-free connection between the housing head and bowl.
- Mechanical polished bowl and elbows and milled head ensure optimal cleanability in critical areas while maintaining cost-effectiveness.
- Operator-friendly V-Clamp housing closure simplifies handling.



CF Series Single-Round Filter Housing

European Regulation

ATEX regulation	II -/2 G Ex h IIC T3....T6 -/Gb X II -/2 D Ex h IIIC 150 °C....85 °C -/Db X			
Service conditions PED fluid group	gr.2 - Liq, gas			
Limited to clean in place (CIP) PED fluid group Pressure (PS) min-max bar (psi) Temperature (TS) min-max °C (°F)	gr.1 - Liq +0 +4 bar (+0 +58 psi) +10 +80 °C (+50° +176 °F)			
Vessel certification	PED 2014/68/EU			
Design code	EN 13445			
Cartridges number x height	01 x 10"	01 x 20"	01 x 30"	01 x40"
PED category	ART. 4.3	ART. 4.3	I	I

[1] Please contact Pall to ensure the products meet specific National Legislation and/or Regional Regulatory requirements for food contact use.

Technical Information

Series	CF
N° Cartridges	01
Vessel material	316L / 1.4404
Vessel gasket compliance	FDA 21 + USP cl. VI EU 1935/2004
External surface bowl and bends	Mechanical polished
Internal surface bowl and bends	Brushed
External surface baseplate	Milled
Internal surface baseplate	Milled
Internal roughness (2)	Ra ≤ 0.8 µm (Ra ≤ 32 µin)
Cartridges socket	226 / CODE 7
Vent connection **[G]**	Clamp ASMPE BPE 1 1/2"
Design code	EN 13445

Housing Volumes

Cartridges number x height	01 x 10"	01 x 20"	01 x 30"	01 x 40"
Total vessel volume [litres]/[US gallons]	3/(0.79)	4.8/(1.26)	6.7/(1.77)	8.6/(2.27)

Size and Weight

Cartridges number x height	01 x 10"	01 x 20"	01 x 30"	01 x 40"
Bowl weight [kg]/[lb]	2.0/(4.40)	3.0/(6.61)	4.0/(8.81)	5.0/(11.02)
Total net weight [kg]/[lb]	7.0/(15.43)	8.0/(17.63)	9.0/(19.84	10/(22.04)

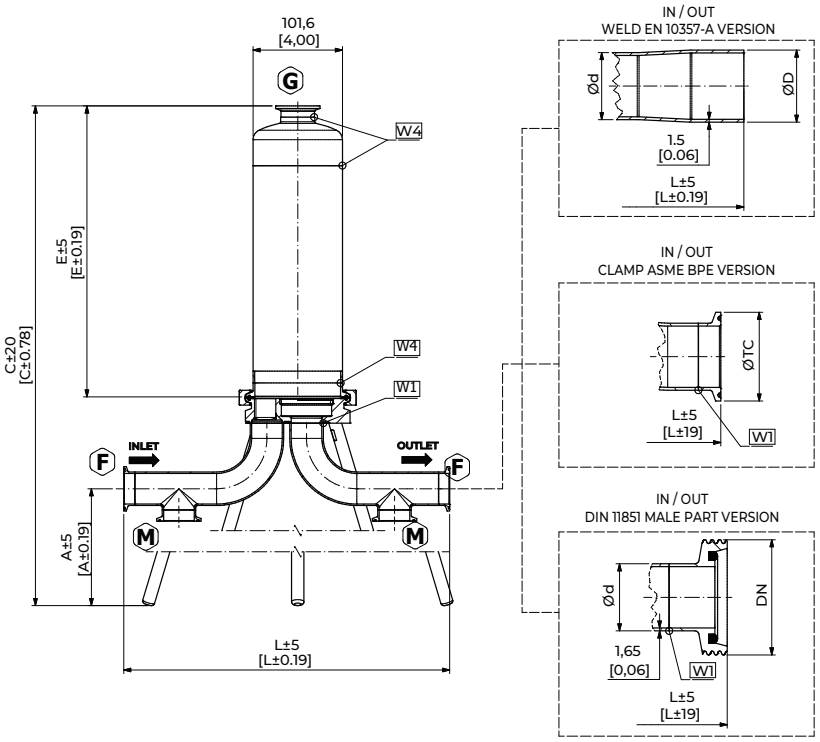
Working Parameter[2]

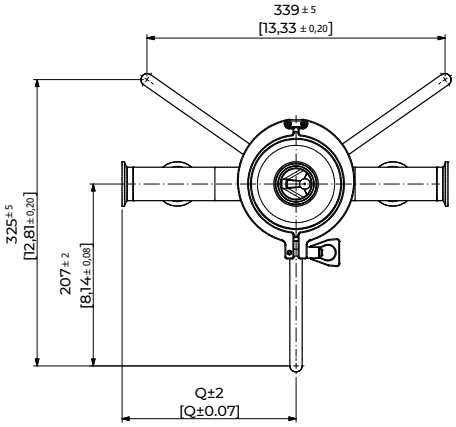
Design pressure (PS) min-max	-1 - 10 bar (-14.5 - 145 psi)
Design temperature (TS) min-max °C (°F)	-20 - 40 °C (-4 - 104 °F)
Design pressure (PS) min-max bar (psi)	-1 - 4 bar (-14.5 - 58 psi)
Design temperature (TS) min-max °C (°F)	-20 - 150 °C (-4° - 302 °F)

[2] Maximum operating pressure ratings are vessel ratings only. Safe operating temperature and pressure will depend on filter cartridge and seal used. For compatibility details, please contact Pall.

For applications involving fluids below 0 °C (32 °F), please contact Pall.

Refer to Pall Food and Beverage filter cartridge literature for additional guidelines on use.

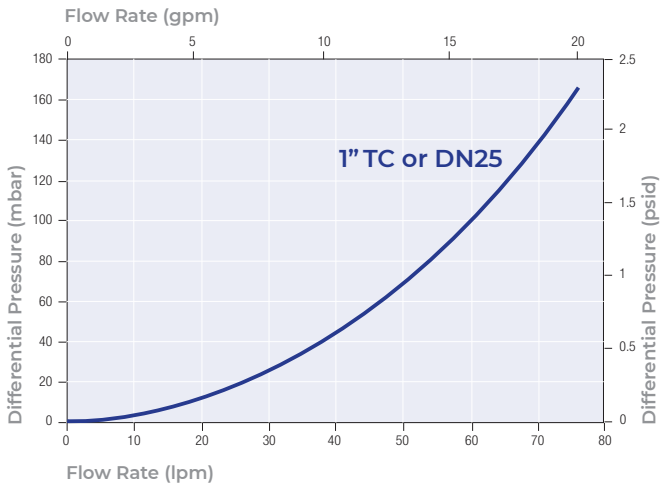


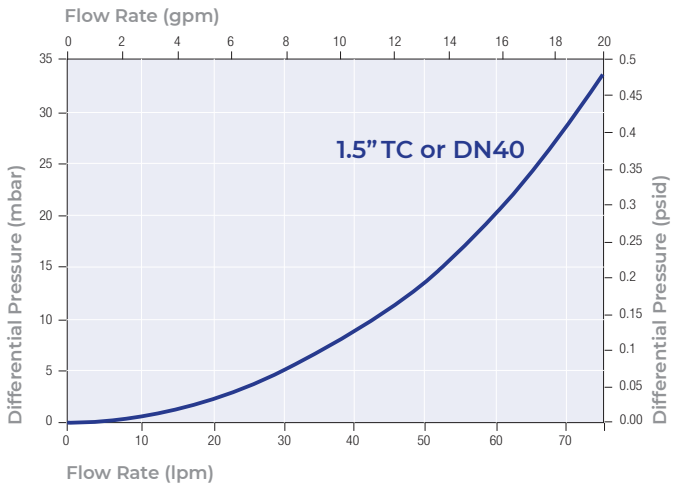


Dimensional Data Connection

	W1 (Ød 25.4 [1"])	W15 (Ød 38.1 [1.5"])	T1	T15	D025 (Ød 25.4 [1"])	D040 (Ød 38.1 [1.5"])
A mm (inch)	375 (14.76")	355 (13.98")	375 (14.76")	355 (13.98")	375 (14.76")	355 (13.98")
L mm (inch) without drain	243 (9.57")	274 (10.79")	188 (7.4")	220 (8.66")	220 (8.66")	258 (10.16")
L mm (inch) with drain	324 (12.76")	426 (16.77")	269 (10.59")	370 (14.57")	300 (11.81")	415 (16.34")
Q mm (inch) without drain	130 (5.12")	152 (5.98")	103 (4.06")	122 (4.8")	118 (4.65")	144 (5.67")
Q mm (inch) with drain	181 (7.13")	225 (8.86")	154 (6.06")	198 (7.8")	169 (6.65")	220 (8.66")

CF 01 Housing Differential Presure Flow





Ordering Information

This information is a guide to the part number structure and possible options.
For availability of specific options and housing details, please contact Pall.

Part Number: CF01 ☐ 7 ☐ ☐ ☐ AF0

Table 1 Table 2 Table 3 Table 4

Example part number: **CF0117W1DH4AF0**
See bold reference code in tables.

Table 1: Cartridge Height

Code	Height
1	10"
2	20"
3	30"
4	40"

Table 2: In/Out Connection (F)

Code	Description
W1	Weld EN 10357-A DN25 (25.4x1.6 resp 1x0.06)
W15	Weld EN 10357-A DN40 (38.1x1.6 resp 1.5x0.06)
T1	Clamp ASME BPE 1"
T15	Clamp ASME BPE 1 1/2"
D025	DIN 11851 Male DN25
D040	DIN 11851 Male DN40

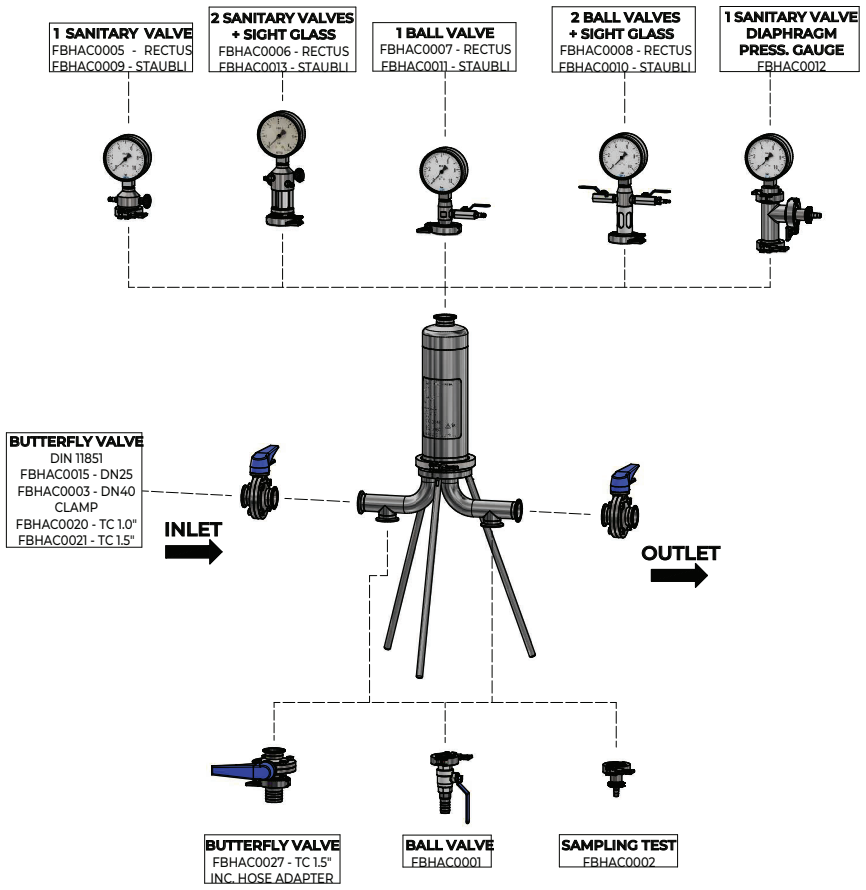
Table 3: Drain (M)

Code	Description
0	No drain
D	If pipe Ø25.4 is supplied, clamp ASME BPE 1.0" If pipe Ø38.1 is supplied, clamp ASME BPE 1.5"

Table 4: Gasket Material

Code	Description
H4	Silicone
J	EPDM

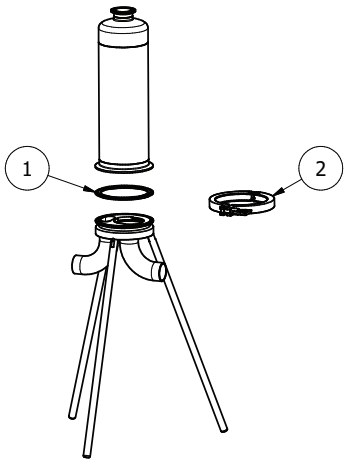
Accessories (Designed to work at 0-10 bar) *



* All vent units supplied with pressure gauge.

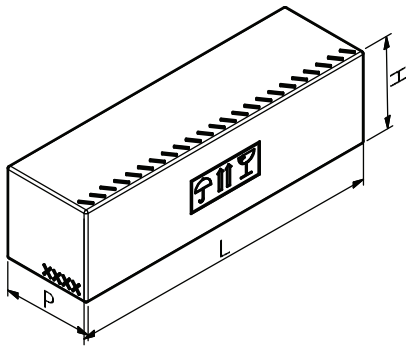
Spare Parts

POS.	Description	Part Number
1	Gasket	FBHSP0001 - SILICONE FBHSP0002 - EPDM
2	Clamp closure	FBHSP0003



Packaging — Size and Weight

Cartridges number x height	01 x 10"	01 x 20"	01 x 30"	01 x 40"
Bowl weight [kg]/[lb]	2.0/(4.40)	3.0/(6.61)	4.0/(8.81)	5.0/(11.02)
Total net weight [kg]/[lb]	7.0/(15.43)	8.0/(17.63)	9.0/(19.84)	10/(22.04)
Total weight packed [kg]/[lb]	8.0/(17.53)	9/(19.84)	10.0/(22.04)	12/(26.45)
Packaging size (LxPxH) [cm]/[inch]	87x27x17 (34.25x10.62x6.69)	87x27x17 (34.25x10.62x6.69)	112x27x17 (44.09x10.62x6.69)	137x27x17 (53.93x10.62x6.69)



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IF APPLICABLE Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

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