

High chemical resistance for acid and sea water

Allfil standard cartridge filter housings HCP-3 and HCP-5 series are available in 6 bar and 10 bar. The housings are very suitable for use in brackish water, seawater applications and also have high resistance against acids. The housing are designed according to the PED 2014/68/UE. The position of the inlet and outlet can be changed if another position is preferred. Options: valves, pressure gauges, automatic air release. Allfil calculates the chemical, temperature and pressure influences on the housing.

Technical data

Material:
Housing: Polypropylene, polyethylene
Bolts: Stainless steel
Oring: EPDM, Viton

Dimensions

Number of cartridges :
3 – diameter 225mm
5 – diameter 250mm

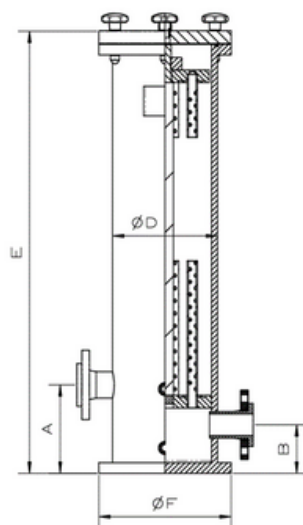
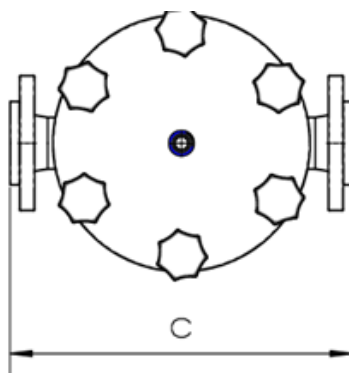
Cartridge length:
10 – 10" [25,4cm]
20 – 20" [50,8cm]
30 – 30" [76,2cm]
40 – 40" [101,6cm]
CM – custom

Connections

inlet/Outlet: DN 25 do 100, ½" do 2"
Drains /Vent: ½" BSP

Operating parameters

Max operating temperature:
60°C
Max pressure @ 40 °C
6 bar lub 10 bar



	HCP-3		HCP-5		
Dimensions	Inlet/ Outlet	Inlet/ Outlet	Inlet/ Outlet	Inlet/ Outlet	Inlet/ Outlet
in mm	DN 32/40/50	DN 65/80	DN 32/40/50	DN65/80	DN100
A	210	260	210	260	290
B	115	125	115	125	135
C	370	400	420	450	450
D	225	225	250	250	250
F	290	290	315	315	315
E 10" (6 bar/10 bar)E	550/580	580/610	550/580	580/610	600/630
E 20" (6 bar/10 bar)	800/830	830/860	800/830	830/860	850/880
E 30" (6 bar/10 bar)	1050/1080	1080/1110	1050/1080	1080/1110	1100/1130
E 40" (6 bar/10 bar)	1320/1350	1350/1380	1320/1350	1350/1380	1370/1400

ORDERING INFORMATION

HCP **3** **40** **P** **P** **F2** **10/40** **E**

TYPE OF SERIES

HCP - plastic filter-cartridge housing

NUMBER OF CARTRIDGES:

3 - 3 cartridges
5 - 5 cartridges

CARTRIDGE LENGTH:

10 - 10" [25,4cm]
20 - 20" [50,8cm]
30 - 30" [76,2cm]
40 - 40" [101,6cm]
CM - CUSTOM

END OF CARTRIDGE CONFIGURATION:

P Double Open End
P2 226/Flat Single Open End
P3 222/Flat Single Open End
P7 226/Fin Single Open End
P8 222/Fin Single Open End

MATERIAL:

P Polypropylene
HD-PE Polyethylene

Connections:

M1 Muff 1 inch, thread BSP inside
M2 Muff 2 inch, thread BSP inside
N1 Nipple 1 inch, thread BSP outside
N2 Nipple 2 inch, thread BSP outside
F1 Flange 1 inch (DN 25)
F1.25 Flange 1 ¼ inch (DN 32)
F1.50 Flange 1 ½ inch (DN 40)
F2 Flange 2 inch (DN 50)
F2.50 Flange 2 ½ inch (DN 65)
F3 Flange 3 inch (DN 80)
F4 Flange 4 inch (DN 100)

Max pressure/ Max temperature

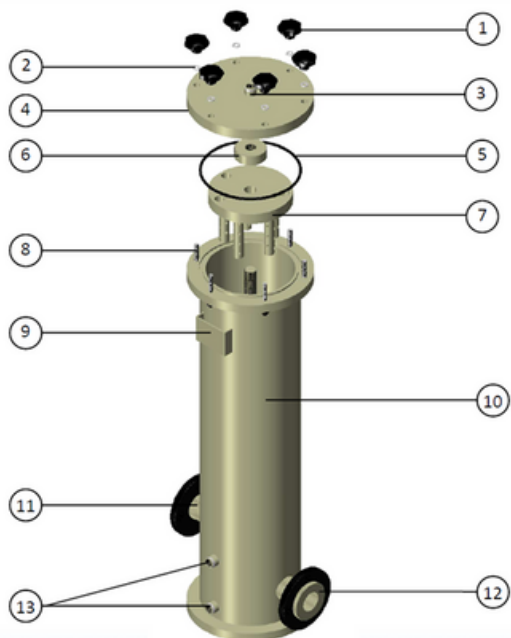
Max Bars / Max °C

Gasket:

E EPDM
V VITON

BENEFITS

- Inlet /outlet according to customers' request
- Pressure up to 10 bar
- High chemical resistance
- Can be used in environments wiht high concentration of salt
- Optimal for use in desalination systems
- Low maintenance cost
- Easy and quick change of filter bags
- Technical support



Pos.	Name of element	Material
1	Handwheel	Bakelite
2	Washer	Stainless steel
3	Vent ½" BSP	PP / HD-PE
4	Lid	PP / HD-PE
5	O-ring	EPDM / FMP
6	Nut	PP / HD-PE
7	Pressure plate	PP / HD-PE
8	Bolt set	Stainless steel
9	Name tag	PP / HD-PE
10	Housing body	PP / HD-PE
11	Inlet	PP / HD-PE
12	Outlet	PP / HD-PE
13	Drain ½" BSP	PP / HD-PE