



High chemical resistance for acid and sea water

Allfil's standard filter bag housings HBP-2 and HBP-1 series are available in 6 bar and 10 bar. The housings are very suitable for use in brackish water, sea water 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

O-ring: EPDM, Viton

Dimensions

Diameter of housing

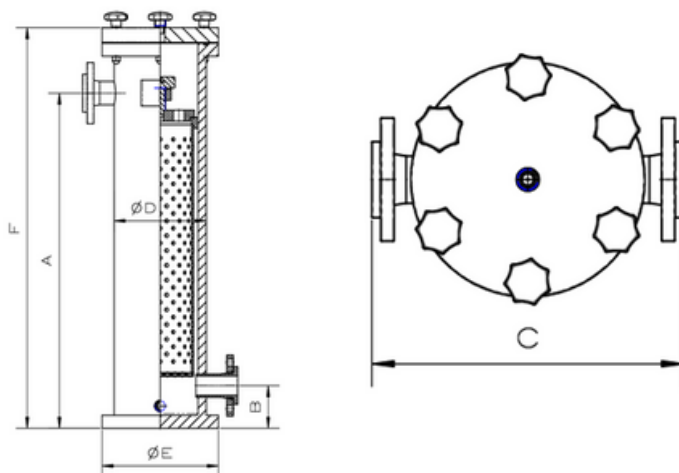
HBP-2 – 250mm

HBP-1 – 250mm

Bag length

2 – 815mm (0,50 m²)

1 – 410mm (0,25m²)



Connections

Inlet/Outlet: DN 25 to 100, ½" to 2"

Drains /vent: ½" BSP

Operating parameters

Max operating temperature:

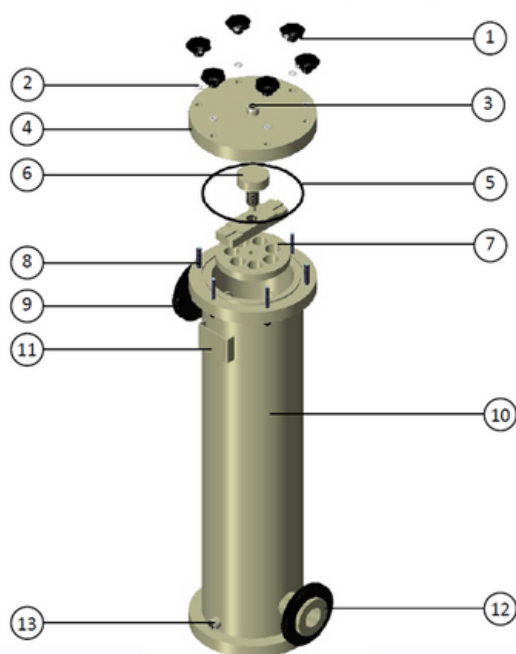
60°C

Max pressure@ 40 °C

6 bar lub 10 bar

	HBP-1		HBP-2		
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	575	560	905	890	880
B	115	125	115	125	135
C	420	450	420	450	450
D	250	250	250	250	250
E	315	315	315	315	315
F 10" (6 bar/10 bar)E	740/770	740/770	1050/1080	1050/1080	1160/1190

ORDERING INFORMATION



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	Inlet	PP / HD-PE
10	Housing body	PP / HD-PE
11	Name tag	PP / HD-PE
12	Outlet	PP / HD-PE
13	Drain ½" BSP	PP / HD-PE

HBP **2** **P** **F2** **10/40** **E**

TYPE OF SERIES
HBP - plastic filter bag housing

BAG SIZE
2 – 815 mm (0,50 m2)
1 – 410 mm (0,25m2)

MATERIAL OF HOUSING
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 with high concentration of salt
- Optimal for use in desalination systems
- Low maintenance cost
- Easy and quick change of filter bags
- Technical support