

Datasheet TBF Series Filter Bag Housings

TBF1 / TBF2 - Size 1 & 2 Polymeric Bag Housings

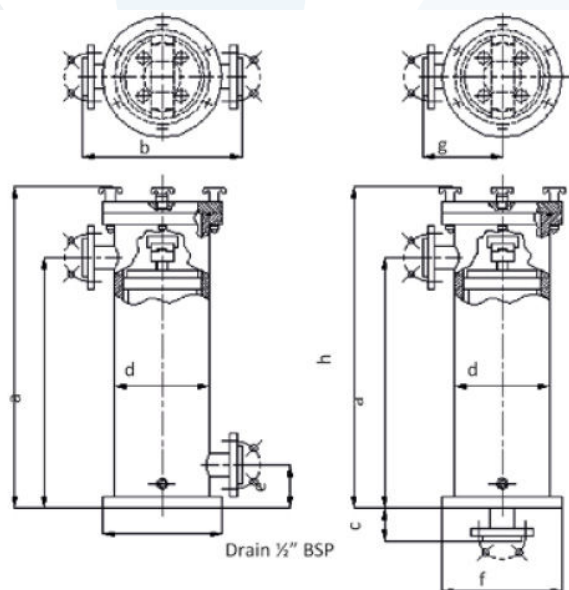
This industrial bag filter housing is designed to accommodate a single filter bag (TBF1 - size 1 / TBF2 - size 2). Manufactured from polypropylene, HDPE, or PVDF, these housings are suited for seawater applications and offer excellent chemical resistance where acid resistance is important. The housings are equipped with bolted lids, providing a robust and secure sealing solution for demanding industrial applications.

All housings conform to PED 2014/68/EU



Parameter	Specification
Model	TBF1 (size 1) / TBF2 (size 2)
Number of bags	1 bag
Bag size	Size 1 / Size 2
Housing material	Polypropylene, PVDF, & HDPE
Body seal material	EPDM / Viton
Inlet connection	Flanged or threaded
Outlet connection	Flanged or threaded
Vent connection	1/2" BSP female
Drain connection	1/2" BSP female
Maximum operating pressure	6 bar (g) or 10 bar (g) @ 40°C
Maximum operating temperature	• PVDF: 120°C @ 10 bar • PP (10 bar rated): 80°C @ 2 bar • PP (6 bar rated): 80°C @ 1.2 bar • HDPE: 40°C @ 4 bar
Closure type	Bolted
Orientation	Vertical
Application	Liquid filtration
PED compliance	PED 2014/68/EU

Layout & Dimensions



Design & Construction

- Cylindrical pressure housing manufactured from PP, HDPE or PVDF
- Bolted closure ensures even compression and secure sealing
- Floor-standing to provide mechanical stability and allow direct floor installation.
- Designed to accept a single filter bag
- Integrated vent (1/2" BSP female) and drain (1/2" BSP female) connections.

Typical Applications

- Chemical processing
- Seawater applications
- Brine applications
- Process water and high-purity water systems
- Pre-filtration and final filtration in critical industrial processes

Dimensions in mm

TBF1	a	b	c	d	e	f	g	h
DN 32/40/50	575	420	70	250	115	315	210	740
DN 65/80	560	450	70	250	125	315	225	740
DN 100	550	450	90	250	135	315	225	740
TBF2	a	b	c	d	e	f	g	h
DN 32/40/50	905	420	70	250	115	315	210	1070
DN 65/80	890	450	70	250	125	315	225	1070
DN 100	880	450	90	250	135	315	225	1070

Ordering information

Code	Length (Bag Size)	Material Body	Pressure Rating	Material O-Ring	Connections Inlet & Outlet	
TBF	1 - Size 1 2 - Size 2	PP - Polypropylene PVDF - PVDF PE - HDPE	6 - 6 bar 10 - 10 bar	E - EPDM V - Viton	32 - DN32 40 - DN40 50 - DN50 65 - DN65 80 - DN80 100 - DN100	F - Flanged T - Threaded

Disclaimer

All information in this datasheet is provided for guidance only and may be subject to change. The filter housing is manufactured in accordance with PED 2014/68/EU (Sound Engineering Practice). The end user is responsible for correct selection, installation, and operation within the specified design limits. The manufacturer accepts no liability for improper use or unauthorized modifications.