

Datasheet TCF3 Series Cartridge Housing

TCF3 Series - 3 Round Polypropylene Cartridge Housings

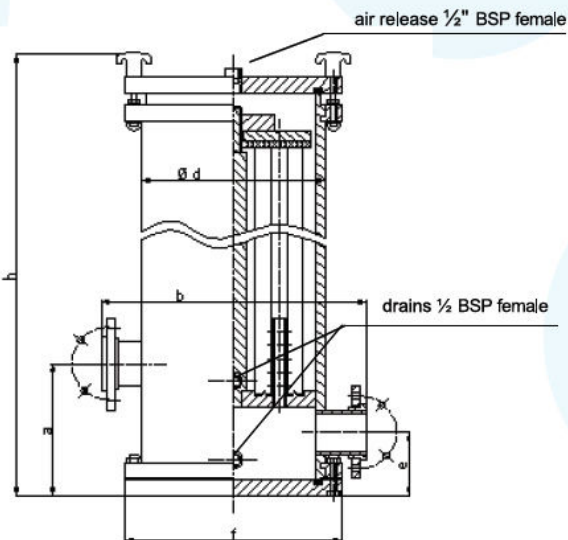
These industrial cartridge filter housings are designed to accommodate 3 filter cartridges (10", 20", 30" or 40"). Manufactured from polypropylene, these housings are suited for seawater applications and offer excellent chemical resistance where acid resistance is important. The housings are equipped 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	TCF3
Number of cartridges	3 cartridges
Cartridge length	10", 20", 30" or 40"
Housing material	Polypropylene
Body seal material	Natural rubber (standard) / 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	• 80°C @ 2 bar (10 bar housing) • 80°C @ 1.2 bar (6 bar housing)
Closure type	Bolted
Orientation	Vertical
Application	Liquid filtration
PED compliance	PED 2014/68/EU

Layout & Dimensions



Design & Construction

- Cylindrical pressure housing manufactured from PP
- Bolted closure ensures even compression and secure sealing
- Floor-standing to provide mechanical stability and allow direct floor installation.
- Designed to accept 3 filter cartridges
- Compatible with DOE (double open ended) style filter elements
- 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

TCF3	a	b	d	e	f	h (10")	h (20")	h (30")	h (40")
DN 32/40/50	210	370	200	115	265	600	850	1100	1350
DN 65/80	260	400	200	125	265	630	880	1130	1380
DN 100	290	400	200	135	265	660	910	1160	1410

Ordering information

Code	Length (Cartridge length)	Adapter (endcap type)	Connections Inlet & Outlet		Pressure Rating Bar
TCF	325 - 3r10" 350 - 3r20" 375 - 3r30" 3100 - 3r40"	DOE - DOE	32 - DN32 40 - DN40 50 - DN50 65 - DN65 80 - DN80 100 - DN100	F - Flanged T - Threaded	6 - 6 bar 10 - 10 bar

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.