

Cartridge Filter Housings

01WTBE-PP Vent housings made of polypropylene

01WTBE PP Vent housings work in combination with hydrophobic WFPTFE Membrane filter cartridges in dust-free and sterile vent filtration of storage tanks. The two-part polypropylene construction consists of a cap which can be unscrewed, and the connecting part as tank-support with GF screw-connection DN40. The housings can be ordered in three sizes to accommodate a WFPTFE Membrane filter cartridge with adapter configuration Code 0 in the lengths 5", 10" or 20". They are therefore ideal for flow rates of 5-50 Nm³/h at 10-25 mbar differential pressure. 01WTBE housings can also be custom made in stainless steel.



01WTBE-PP Vent housings

Technical data

Material:	Polypropylene, grey (stainless steel on request)
Filter elements:	Quantity: 1
Length:	5", 10", 20"
Adapter:	Code 0
Pressure:	Max. 50 mbar
Temperature:	Max. 40 °C
Flow rate:	The maximum air-flow-rate capacity depends on the permitted differential pressure of the storage container, the connecting nominal diameter of the housing and the type and length of the filter elements. Please see Flow rate capacity table for reference values.

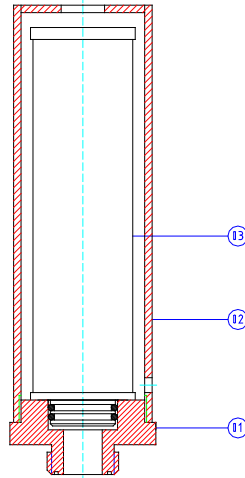
Applications

- Dust-free, sterile venting storage tanks for ultrapure water
- Dust-free, sterile venting storage tanks for buffer containers in bottling plants
- Dust-free, sterile venting storage tanks for concentrate containers for beverages
- Dust-free, sterile venting of storage tanks in batchers

Features and Benefits

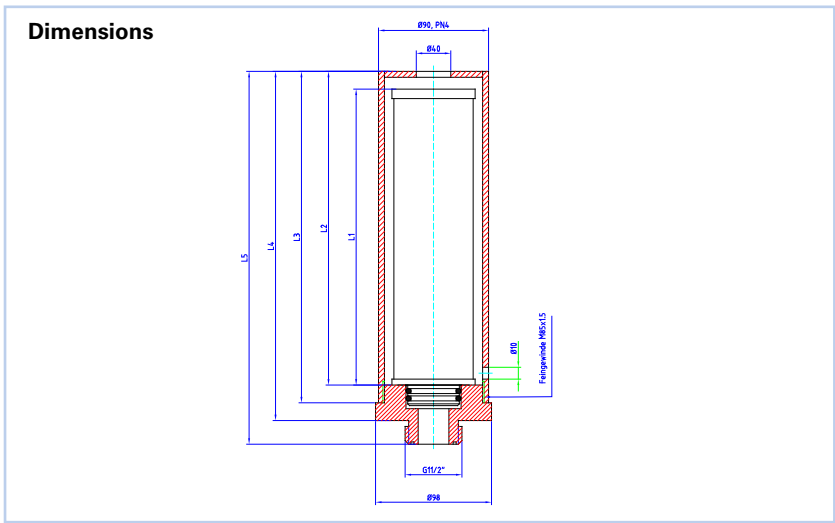
- Vent-filter housings
- Made entirely from polypropylene (stainless steel on request)
- Cap can be unscrewed
- Designed for one filter element code 0
- Three lengths for 5", 10" or 20"
- Tank support connection GF screw-connection DN40
- Flow rate capacity of 5-50 Nm³/h at 10-25 mbar with hydrophobic WFPTFE Membrane filter cartridges

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Adapter part	PP-grey	01WTBE-PP-Aufnahmeteil	999992
2	Cap	PP-grey	01WTBE-PP-Haube-05	999992
			01WTBE-PP-Haube-10	999992
			01WTBE-PP-Haube-20	999992
3	WFPTFE-	PTFE,	WFPTFE-0020-05-E0	006183
	Membrane cartridge,	hydrophobic	WFPTFE-0020-10-E0	005738
	hydrophobic		WFPTFE-0020-20-E0	005743



Dimensions

Type	L1	L2	L3	L4	L5
01WTBE05	05" (127 mm)	155	170	185	205
01WTBE10	10" (254 mm)	275	290	305	325
01WTBE20	20" (508 mm)	535	550	565	585

Flow rate capacity

Housing type	Type of membrane filter cartridge	Q for dp 10mbar *	Q for dp 25mbar *
01WTBE05	WFPTFE-0020-05-E0	5 Nm ³ /h	12.5 Nm ³ /h
01WTBE10	WFPTFE-0020-10-E0	10 Nm ³ /h	25 Nm ³ /h
01WTBE20	WFPTFE-0020-20-E0	20 Nm ³ /h	50 Nm ³ /h

*** Important notice**

The recommended maximum flow rate capacity is only to be used as a reference guide in dry air conditions. This refers to hydrophobic WFPTFE Membrane filter cartridges with 0.2 µm filter ration and a housing nominal diameter of DN50. Depending on the connecting diameter of the housing, the flow rate values can still vary.

Order example

01	WTBE	10	-	DN	40	-	PP	-	-
1	2	3		4	5		6		7

Order information

Pos.	Designation
1	01 = Housing for one filter element
2	WTBE = Wolftechnik vent filter housings
3	05 = Housings for 5" filter cartridges 10 = Housings for 10" filter cartridges 20 = Housings for 20" filter cartridges
4	DN = GF srew connection (Standard) R = Pipe thread F = Flange M = Screwed pipe connection DIN 11851
5	40 = Nominal diameter DN40 (Standard) 50 = Nominal diameter DN50
5	1 ¼ Thread connection 1 ¼" 1 ½ = Thread connection 1 ½" 2 = Thread connection 2"
6	PP = Housing material polypropylene-grey (Standard) T = Housing material stainless steel
7	- = Filter elements with code 0 (Standard) 5 = Filter cartridge Code 5 7 = Filter cartridge Code 7