

Steel Tank-Vent Filter Housings



Purpose

Tank-Vent Filter Housings are used for breather filters. Breather filters are designed to prevent penetration of environmental microbiology into the vessel when it is discharged and to prevent contamination of the vessel content during storage. In addition, breather filters protect fermenting and beer storage tanks against vacuuming. Tank-Vent Filter Housings are designed to incorporate cartridge filters of 65 mm, 125 mm and 250 mm height.

Three modifications of breather filters are available: DS-FD-65, DS-FD-125, DS-FD-250.

Materials of Tank-Vent Filter Housings

- AISI 304 (12Kh18N10T) stainless steel
- AISI 316 stainless steel (on request)

Structure and operation principle

Breather filter is composed of a base, cover, hydrophobic fluoroplastic (EPM.F4) membrane filter cartridge and a collar for welding. When discharging the vessel, the air incoming from the atmosphere passes through the cartridge where it is purified and gets into the vessel. When the vessel is filled, vapours pass through the cartridge and are discharged into the atmosphere.

Preparation for operation

After the collar is welded, the vessel is disinfected, then the base, filter and protecting cover (cap) are installed. The base and the cover, the collar and the base are connected to each other using clamps (TRI-CLAMP quick release couplings).

Technical Specifications

Parameters	DS-FD-65	DS-FD-125	DS-FD-250
Flow rate, m ³ /h	According to the type of the Filter Cartridge		
Case diameter, mm	84	84	84
Filter height, mm	205	270	395
Cartridge height, mm	65	125	250
Cartridge adapter type	D1/56 mm	D1/56 mm	D1/56 mm
Nominal diameter, mm	25/32	25/32	25/32
Weight, kg	0.65	1.1	1.9

