



Vent Filter Housing

Air Filter Housing Especially
for Use on Top of a Storage Tank

Vent Filter Housing used in food & beverage and pharmaceutical applications to sterilize the air before it flows into the tank, while maintaining pressure balance inside and outside the housing.

All sanitary and GMP standards are met. The housing is easy to clean. Electro-polish surface finish is available upon request.



Surface Finish

Polish Type	Mirror Polish; Internal Electro-polished
Surface Option	Internal Ra: 0.38µm; External Ra: 0.4µm

Operating Conditions

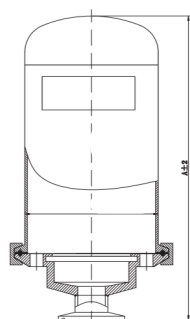
Max. Operating Pressure	Ambient Temperature
Max. Operating Temperature	130 °C (266 °F)
Steam Sterilization	In-situ / Autoclave @ 121°C / 30 min

Material of Construction

Housing Body	304;316L
Clamp	304
O-ring / Gaskets	Silicon, Viton, EPDM, PTFE

Connection

Body Connection	Tri-clamp, Strengthened clamp
Outlet	1 inch (DN 25) clamp



Drawings & Dimensions

	1 round 5 inch	1 round 10 inch	1 round 20 inch
A	232	262	622
C	102	102	102

Ordering Information

	Number of Filters	Filter Length	Material	End Cap	Housing Connection	Inlet / Outlet	Sealing Material	Design Pressure	Surface Finish	Application
VBSRV	1	05	F	S	T	T25	S	O	A	P
	1 1 round	05 5 inch 10 10 inch 20 20 inch 30 30 inch	F 304 S 316L	S 226 T 222	T Tri-clamp	T25 Tri-clamp DN 25 T38 Tri-clamp DN 38 T50 Tri-clamp DN 50	S Silicone E EPDM V Viton	O Ambient Pressure	A Mirror Polish B Internal Electro-polished	P Pharmaceutical F Food and Beverage C Chemical

Van Borselen Filters Single round Vent (VBSRV) In-line Vent Housing

Vent Filter Housing with Heated Jacket

Our VBSRV Venting Housing is a superior vent filter housing with an anti-condensation function for air filtration and with stricter requirements.

It is composed of the following parts: vent, heated jacket, jacket protection layer, and constant electronic temperature system.



VBSRV with heated jacket
No vent, with stainless steel cage cover

The advantages when compared to vent filter housings are:

- Filter cartridges are kept dry by heat which helps guarantee their flow rates.
- High temperature environment prevents germ growth.
- An advanced constant electronic temperature system.
- Elbow design prevents particles from flowing into the vent housing, thus protecting the filter housing from damage.

Additionally, Vent Housing meets the requirements for use in a clean room. The heated jacket is placed in a sealed column to keep dust and This also makes the bacteria from flowing into the housing. housing easy to clean.

Surface Finish

Polish Type	Mirror Polish; Internal Electro-polished
Surface Option	Internal Ra: 0.38µm; External Ra: 0.4µm

Material of Construction

Housing Body	304;316L
Clamp	304
O-ring / Gaskets	Silicon, Viton, EPDM, PTFE

Operating Conditions

Operating Temperature	130 °C (266°F)
Steam Sterilization	In-situ / Autoclave @ 121°C / 30 min

Connection

Body Connection	Tri-clamp, Strengthened clamp
Outlet	1 inch (DN 25) clamp

Drawings & Dimensions

	1 round 5 inch	1 round 10 inch	1 round 20 inch
A	277	397	647
C	102	102	102

Ordering Information

	Filter Length	End Cap	Closure	Housing Connection	Inlet / Outlet size	Sealing Material	Heating jacket
VBSRV	05 5 inch	7 226	V Clamp	T Tri- clamp		S Silicone E EPDM V Viton	Yes- HJ no- empty
	1 10 inch	3 222			025		
	2 20 inch				038		
	3 30 inch				050		

