

H-VCF II and III IN-LINE HEATED AND UNHEATED VENT FILTER HOUSINGS

Sanitary grade electro-polished housings
with integrated heater option

H-VCF II and III IN-LINE VENT FILTER HOUSINGS

AVAILABLE IN HEATED AND UNHEATED VERSIONS FOR A VARIETY OF INDUSTRIAL AND SANITARY APPLICATIONS

H-VCF Filter Housings are available in heated (H-VCF III) and unheated (H-VCF II) configurations with sanitary grade finished polishing of Ra < 0.38 µm (15 µin.) making them suitable for a variety of sanitary, industrial and chemical applications.

The housings are available in three standard-size tri-clamp I/O connections for easy integration into existing tools/processes.

The H-VCF III version includes an electric heater jacket with cover and easy-to-set automatic temperature control.

FEATURE	BENEFIT
Sealed heated housing jacket with advanced electronic temperature control system	Keeps filters dry by heat which helps guarantee flow rates High temperature environment prevents germ growth
Internal flow design	Prevents particles from flowing into housing, thus protecting filter housing from damage and maintaining clean flow rates through filter
Tri-clamp bowl connection	Design allows for safe, easy sealing of bowl to housing head
Quality surface finishing	With an internal bowl Ra of 0.38 µm (15 µin.) the sanitary surface finish prevents entrapment or build-up of contaminants.

SPECIFICATIONS

Surface finish	Mirror Polish or mirror polish with an Extra Internal Electro-polish Internal Ra: 0.38 µm (15 µin.), External Ra: 0.4 µm (16 µin.)
Housing body	304 or 316L
Clamp	304
O-ring/gaskets	Silicone, FKM, EPDM
Design pressure	0.6 MPa (6 bar, 87 psi)
Max. operating temperature	130°C (266°F)
Connections	Bowl/Base Connection: Tri-clamp Inlet/Outlet: 3/4", 1.5", or 2" Tri-clamp



H-VCF III
No vent, with stainless steel
heater cover



H-VCF II
No vent, with tube elbow

TYPICAL APPLICATIONS

- Pharmaceuticals
- Solvent Tanks
- Potable Liquids
- Industrial Liquid Containers
- Coolant Tanks
- Process Water System Tanks
- Tank Vents

ELECTRIC HEATING JACKET INSTRUCTIONS

The Cobetter heating jacket around a vent filter effectively prevents the condensation on filter elements to keep the filters pore structure open to allow gas to flow. The outer surface of the jacket can be touched safely without injury from high temperatures. The power and control lines can be easily disassembled and lengthened to meet the needs of the insulation. The heating jacket has built in foam insulation for energy saving efficiency.

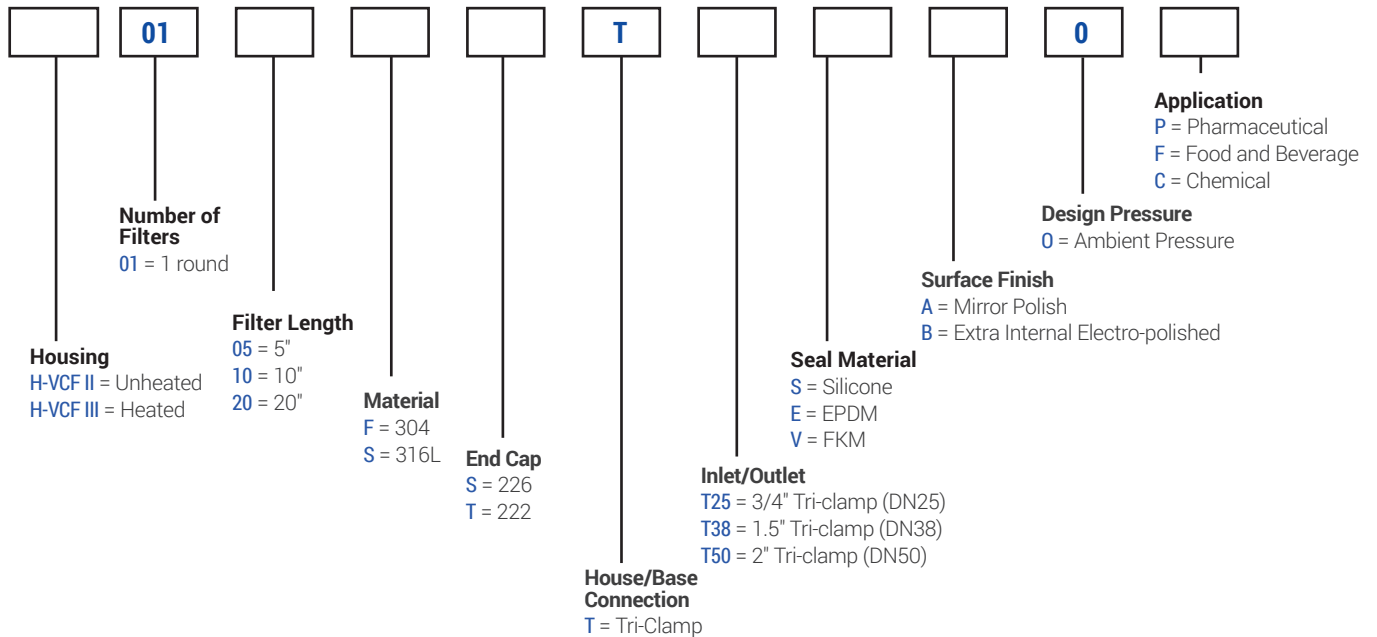
Rated voltage	220V
Withstand voltage	1500V
Insulation resistance	≥500MΩ
Insulation material	Silicon rubber
Ambient temperature	0~60°C
End-use temperature	0~100°C
Levels of protection	IP65
Temperature fluctuation	±10°C

HOUSING DIMENSIONS

	1 round 5 inch	1 round 10 inch	1 round 20 inch
Length (inlet to outlet)	277 mm (10.91")	397 mm (15.63")	647 mm (25.47")
Inner Diameter	102 mm (4.02")	102 mm (4.02")	102 mm (4.02")

ORDERING INFORMATION

EXAMPLE: **H-VCF III0110STT38VBOP** = heated, 10", 316L, 222, with FKM seals, electro-polished, pharmaceutical application



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