

VF Series Titanium Ti

Great technology, withstands extreme temperatures

SERIES VFTi Withstands extreme temperatures

Venefilter Inc., builds this porous titanium filter designed for applications involving heat, gases, aggressive chemicals, cryogenics or polymers. Made from titanium powder, that is sintered to form a rugged and fixed pore structure to withstand temperature extremes, high pressures and repeated cleaning/backwash cycles. There are no longitudinal seams, for improved mechanical strength and corrosion resistance. Are produced in a range of configurations and micron ratings to perform in a variety of liquid and gas applications.

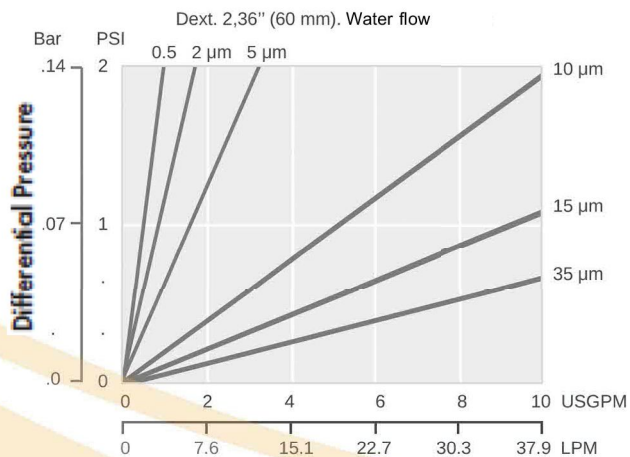
Features

- Constructed entirely of sintered titanium powder.
- Offers high corrosion resistance.
- Cleanable/Backwashable.
- Allows for re-use.
- Maximum economy.
- High Temperature Sintering.
- No media migration.
- Easily retrofits most systems.
- Absolute filtration 99.5% efficiency.

Operating Conditions

Maximum differential pressure	250 Psid (17,4 bar) forward
	50 Psid (3,5 bar) reverse
Maximum Operating Temperature	700 °F (371 °C) (filters without O-rings or gasket)

Pressure drop

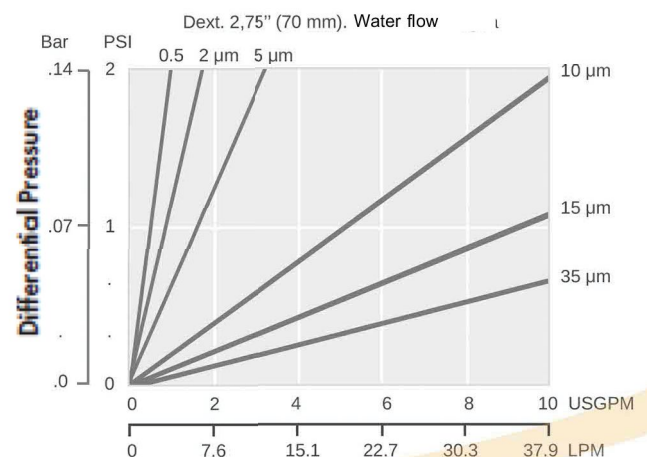


Applications

- Corrosive liquids and gases.
- Cryogenic fluids.
- High viscosity solutions.
- Process steam.
- High temperature liquids and gases.
- Catalyst recovery.

Design specifications

Media	Titanium
End caps	Titanium
Outside diameter	2,75" (70 mm) or 2,36" (60 mm)



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Removal Efficiency

Beta Ratio Efficiency	Beta 200 99,5%	Beta 20 95%	Beta 10 90%
0,5 microns	0,5	0,3	0,1
2,0 microns	2,0	0,8	0,4
5,0 microns	5,0	3,0	1,0
10,0 microns	10,0	8,0	5,0
15,0 microns	15,0	12,0	10,0
35,0 microns	35,0	32,0	28,0

Beta Ratio = Upstream particle counts / Downstream particle counts

Part Number

VFTi	S	15	20	S4	E
Series	Diameter	Microns	Nominal Length	End Configuration	Gasket
VFTi	Blank: 2.75"	0.5	10: 10"	DOE: Double Open End	B: Buna-N
	S: Slim, 2.36"	2	20: 20"	S4:222w/Flat end	E: EPDM
		5	30: 30"	S6:226w/Flat end	V: Viton
		10		M1: 3/4" MNPT thread	S: Silicone
		15		M2: 1" MNPT thread	T: Tefln
		35			TG: Teflon Gasket

CAT-VF-Ti -13