

Product Features

GFTV cartridge filters are constructed with naturally hydrophobic PTFE membrane and polypropylene support layers and components. The economical PTFE membrane cartridge filter provides superior air applications, making it ideally suited for utility as well as tank vent applications, without the higher costs of the typical PTFE filter. Additionally, the filter has been demonstrated to produce sterile air utilizing a bacterial aerosol challenge methodology, emulating the actual removal character of the filter in vent applications.

Advantages

- Durable die-cast aluminum construction gives long service-life
- Manufactured in an ISO Class 7 Cleanroom Environment
- 100% flushed with 18 MΩ DI water and integrity tested
- Each filter element stamped with pore size, lot and serial number for identification and traceability
- Complete bacterial removal in air with an aerosol challenge

Certifications

- USP Class VI: Meets USP Class VI Biological Tests for Plastics
- FDA Listed Materials: All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5 and 177.1520, as applicable for food and beverage contact

Performance Specifications

- Steam/Autoclave: Cartridges will withstand at least 50 30-minute cycles @ 275°F (135°C)
- Integrity Test Values: Bubble Point and Air Diffusion wet with 60/40 IPA/water

Product Specifications

Media:

Expanded PTFE membrane

Core, End Caps, Cage:

Polypropylene

Support Layers:

Polypropylene

Gasket/O-Rings:

Many options available

Dimensions:

Outside Diameter: 2.7" (6.86 cm)

Inside Diameter: 1.0" (2.54 cm)

Surface Area: 7.3 ft² (0.68 m²) per 10"

Operating Parameters

Maximum Operating Temperature:

195 °F (90°C)

Maximum Differential Pressure:

75 psid @ 70°F (5.2 bar @ 21°C)

30 psid @ 176°F (2.1 bar @ 80°C)

15 psid @ 195°F (1.03 bar @ 95°C)

**Recommended Change Out
Pressure:**

35 psid (2.4 bar)

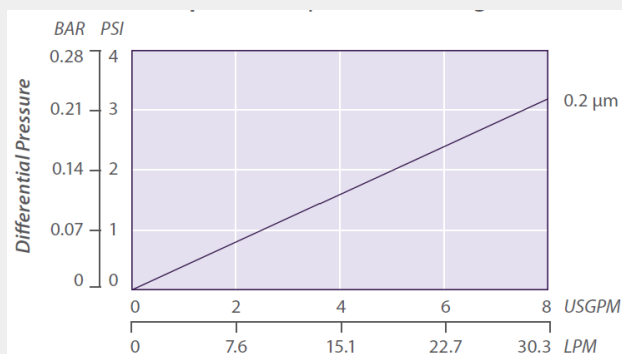


GFTV NOMENCLATURE INFORMATION

Filter Type	Retention Rating (microns)	Nominal Length (inches)	End Configuration	Gasket or O-Ring
GFTV	0.2	-5 -10 -20 -30 -40	-P (Double open end) -P2 (226/flat single open end) -P3 (222/flat single open end) -P7 (226/fin single open end) -P8 (222/fin single open end) -AM (Single open end, internal o-ring) -NPC (Double open end, internal o-ring)	B (Buna-N) E (EPDM) S (silicone) T (Teflon encap. Viton, o-rings only) T (Teflon gaskets) V (Viton)

GFTV Flow Rate

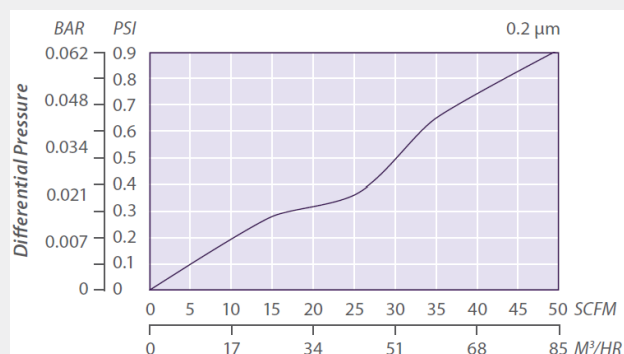
Typical Flow Rate Clean Water at Ambient Temperature
(per 10" cartridge)



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

GFTV Air Flow Rate

Typical Air Flow Rate
(per 10" cartridge)



Test Conditions: System pressure at <10 psig (vent), 65°F (21°C), outlet open to atmosphere

Integrity Test Specifications

Pore Size	Diffusive Air Flow
0.2 µm	≤ 30 cc/min @ 9 psig (0.6 bar) with 60/40 IPA/water per 10" length



CANADA WEST

3247 Roper Road NW
Edmonton, AB T6P 0G1
1-877-456-5760
saleswc@vytal.ca
www.vytal.ca

CANADA EAST

441 Applewood Crescent
Concord, ON L4K 4J3
1-888-233-1969
salesec@vytal.ca
www.vytal.ca

USA

345 E Tulare Ave
Visalia, CA 93277
1-424-222-7619
saleswusa@vytalusa.com
www.vytalusa.com