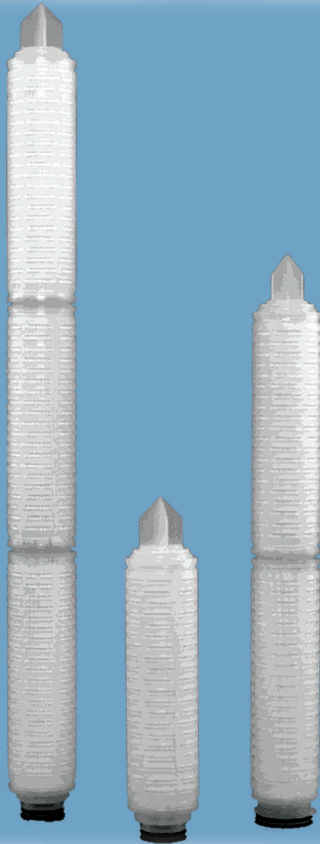


aspire[®] Teflo-Clear Microbial with PTFE Membrane

Pleated PTFE Membrane Vent Filter



Teflo-Clear Microbial hydrophobic filters are sterilizing PTFE membrane filters. Teflo-Clear Microbial PTFE membrane provides the highest levels of security in demanding air and gas applications. Teflo-Clear Microbial PTFE membrane filters are designed to remove microorganisms, particulate and moisture. The optimized design ensures exceptional gas flow rate and throughput for the Biopharmaceutical, food and beverage markets. Teflo-Clear Microbial filters are designed for applications that require particulate security to 0.003 μ m in gas and air and 0.2 μ m in liquids.

Teflo-Clear Microbial delivers value and security with these aerosol validated cartridges. Teflo-Clear Microbial meets USP Biological Reactivity Test Criteria, is Non fiber releasing, and manufactured to withstand multiple sterilization cycles, when using industry recognized and accepted methods.

Benefits

- PTFE Membranes
- Inherently Hydrophobic Media
- 100% Integrity Tested
- High Surface Area
- Virus Retentive in Gasses
- Thermally Bonded Construction
- FDA Listed Materials per CFR 21
- Manufactured in a ISO 9001: 2008 Certified Facility
- Water Intrusion Testable
- Quality Control Certificate Packaged with Every Filter
- Can Be Steam Sterilized Multiple Times in situ for Longer Filter Life
- Manufactured in 3rd Party Certified Clean Rooms

Applications

- Fermenter Inlet Air and Exhaust Venting
- Sterile Process Air
- Sterile Venting Of Tanks

For more information,
contact your aspire[®] representative at
CLARCOR Industrial Air
11501 Outlook Street, Suite 100, Overland Park, KS 66211
800-821-2222 816-356-8400 816-353-1873 fax
Email: aspire@clarcor.com

CLARCOR

Industrial Air

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ASPIRE091 (2/20/17)

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Pleated PTFE Membrane Vent Filter

Materials of Construction

Filter Membrane	Polytetrafluoroethylene (PTFE)
Support Material	Polypropylene
End Caps	Polypropylene
Cage Core	Polypropylene
Internal Support Ring	316 Stainless Steel
Sealing	Thermal Bond
Seals	Fluorocarbon and Silicone

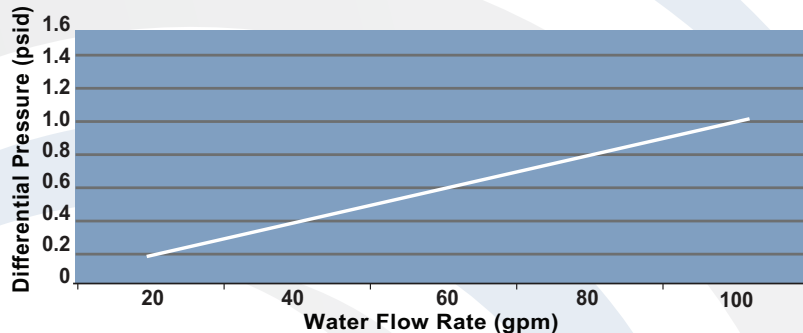
Performance Specifications

Differential Pressure Forward	75 psid (5.5 bar) @ 75°F (24°C) 40 psid (2.8 bar) @ 180°F (82°C)
Reverse	50 psid (3.4 bar) @ 75°F (24°C)
Maximum Operating Temperature	203°F (95°C) Continuous Duty

Toxicity	Cartridge material meet USP Class VI and CFR 21 for food and beverage contact
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Sterilization	Teflo-Clear Microbial cartridges have been validated for bacterial removal in air at an aerosol bacterial challenge level of 10 ⁷ <i>brevundimonas diminuta</i> per cm ²
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Pressure Drop vs. Flow Rate



Integrity Test Data

All cartridges are integrity tested prior to shipment using pressure decay test method. Values below are for cartridges wetted with 50/50 IPA/Water.

Length	Test Pressure	Diffusional Flow
10" (25.4cm)	12 psi	13 mL/min
20" (50.8cm)	12 psi	26 mL/min
30" (76.2cm)	12 psi	39 mL/min

Dimensions (nominal)

Outside Diameter	2.7" (6.9cm)
Surface Area	8.5ft ² per 10" equivalent
Lengths	10" (25.4cm), 20" (50.8cm), 30" (76.2cm)

Cartridge Ordering Information

Media	Micron Rating	Series	Layers	Nominal Length	Cartridge Style	Gasket or O-Ring Material	Utilization
T	002	AM	1	B	7	03	N
T = PTFE	002 = 0.2µm	AM = Microbial	1 = Single	5 = 5" A = 10" B = 20" C = 30"	3 = 222 O-Ring/Flat 7 = 226 O-Ring/Fin 7A = 222 O-Ring/Flat 8 = 222 O-Ring/Fin	03 = Silicone 08 = Viton®* *Non FDA	N = Non-Steam Sterilizable S = Steam Sterilizable Steam Ring in Contact with Fluid

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For more information,
contact your aspire® representative at
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