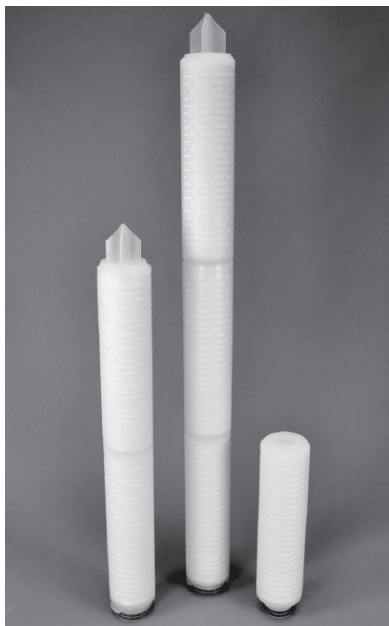


aspire® Teflo-Clear™ Hydrophobic PTFE Cartridges



Description

Teflo-Clear pleated PTFE membrane cartridges provide secure reliable filtration for gases and solvents.

Teflo-Clear is constructed with high throughput, single layered PTFE membrane for high flow rates in critical applications, such as tank venting where instantaneous air flow is required. Teflo-Clear can provide sterile air for pneumatic conveying of liquid products where the introduction of airborne bacteria can destroy valuable products.

Teflo-Clear is excellent for filtering solvents that would damage other membrane materials. The polypropylene support materials in combination with the PTFE membrane give the filters a broad chemical resistance spectrum while maintaining complete integrity.

Applications

- Instrument and Clean Process Air
- Bulk Tank Vents
- Sterile Filtration of Air, Gas and Solvent
- Industrial Fermentation
- Vent for Autoclaves, Stills, and WFI Tanks

Features and Benefits

- High Flow Rates, Low Pressure Drop
- Single Layer PTFE Construction
- Integrity Testable
- Available in 10, 20, 30, and 40 Inch Lengths

Materials of Construction

Filter Membrane	Hydrophobic PTFE
Support Media	Polypropylene
Cage, Core, Endcaps	Polypropylene
O-rings, Gaskets	EPR, Silicone, PTFE

Operating Conditions

Max. Operating Temperature	60 psid (4 bar) 68 °F (20 °C)
Maximum Operating Pressure	30 psid (2 bar) 140 °F (60 °C)

FACT SHEET

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Integrity

	A	B	C	D
Min Bubble Point 70/30 IPA (psi)	16	16	16	16
Min Bubble Point 70/30 IPA (bar)	1.1	1.1	1.1	1.1

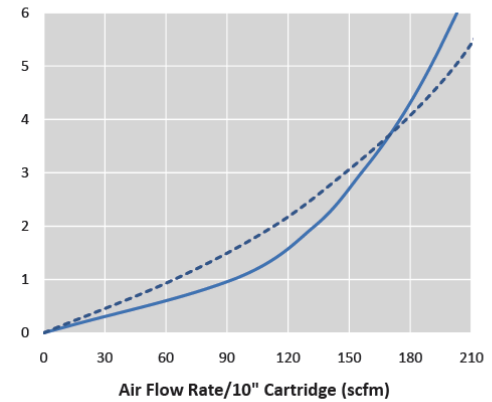
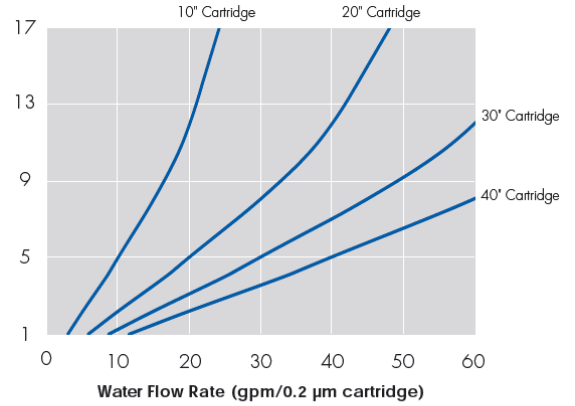
Nominal Dimensions

	A	B	C	D
Diameter (in)	2.7	2.7	2.7	2.7
Diameter (cm)	6.9	6.9	6.9	6.9
Length (in)	10	20	30	40
Length (cm)	25	51	76	102
Filtration Area (ft ²)	6.7	13.4	20.1	26.8
Filtration Area (m ²)	0.6	1.2	1.9	2.5

Sterilization

Autoclave 30 Minutes, 259 °F (126 °C)

Flow Rate



Cartridge Selection Guide

