



TEF-PURE

Teflon Membrane Cartridge Filters

- Absolute Rated
- Single layer construction

Absolute rated, PTFE membrane filter cartridges, with polypropylene support layers and components.



SUITABLE USES



Air & Gas



Desalination



Coolant



Water



Electronics



Coatings



Oil & Gas



Chemical



Pulp & Paper



Power



Marine



Equipment

ADDITIONAL FEATURES

Absolute rated, PTFE membrane filter cartridges, with polypropylene support layers and components.

Micron ratings available between 0.05um to 1 um.

High surface area, single layer construction offers excellent flow rates and minimizes filtration system size.

100% flushed with 18 W-cm, DI water and integrity tested.

Meets applicable CFR criteria and USP Class VI biological tests for plastics.

Manufactured, flushed, tested and packaged in an ISO Class 7 Cleanroom environment.

For more information, please contact info@fil-trek.com or visit Fil-Trek.com

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STANDARD SPECIFICATIONS

MAXIMUM DIFFERENTIAL PRESSURE	75 PSID (5.2 bar) @ 70°F (21°C) 40 PSID (2.8 bar) @ 176°F (80°C) 15 PSID (1.03 bar) @ 203°F (95°C)
MAXIMUM REVERSE DIFFERENTIAL PRESSURE	40 PSID (2.8 bar) @ 70°F (21°C)
MAXIMUM OPERATING TEMPERATURE	203°F (95°C)
DIMENSIONS	
Outside Diameter	2.7" (6.9 cm)
Inside Diameter	1.0" (2.54 cm)
AVAILABLE LENGTHS	10", 20", 30", 40" (25.4 cm, 50.8 cm, 76.2 cm, 101.6 cm)
SURFACE AREA PER 10"	8.5 ft ² (0.79 m ²)
MEDIA	PTFE membrane
INNER CORE, END CAPS, CAGE	Polypropylene
SUPPORT LAYERS	Polypropylene
GASKETS/O-RINGS	Buna-N EPDM Silicone Viton Teflon encaps Viton
MICRON RATINGS	0.05, 0.1, 0.2, 0.45, 1

STEAM/AUTOCCLAVE

Cartridges may be steamed or autoclaved for at least 100 thirty minute cycles at 275°F (135°C).

INTEGRITY TEST VALUES

Air diffusion per 10" cartridge wet with 60/40 IPA/water. Contact factory for specific method.

Pore Size	Specification
0.05 um	≤ 50 cc/min @ 22 PSIG (1.5 bar)
0.1 um	≤ 50 cc/min @ 18 PSIG (1.2 bar)
0.2 um	≤ 20 cc/min @ 12 PSIG (0.8 bar)
0.45 um	≤ 15 cc/min @ 5 PSIG (0.34 bar)
1.0 um	≤ 15 cc/min @ 3 PSIG (0.2 bar)

AVAILABLE END CAP TREATMENTS



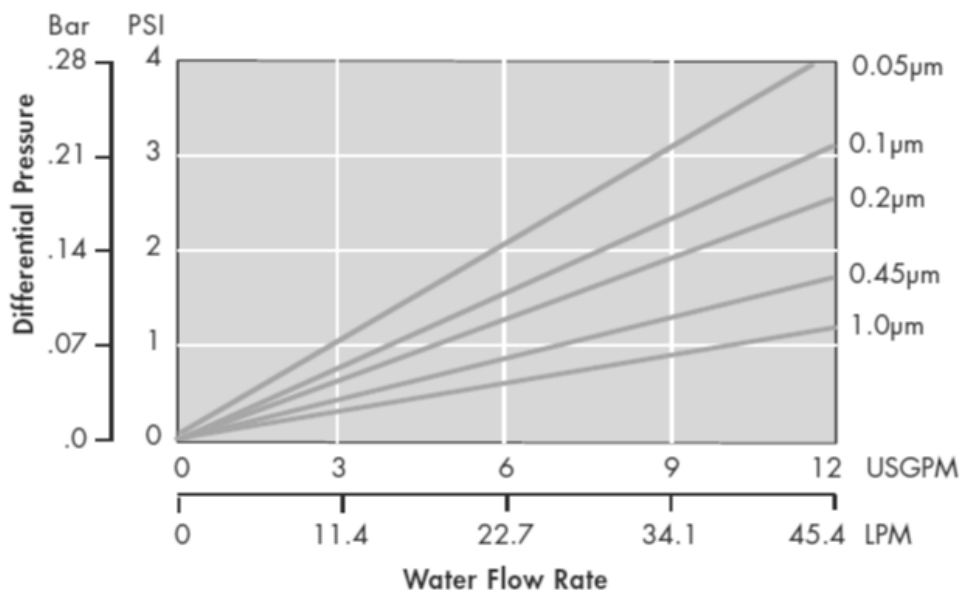
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FLOW RATE



PRODUCT NOMENCLATURE

TP	.05	40	E2	BN
SERIES	MICRON	LENGTH	END CAP	O-RING/GASKET
Tef-Pure Series	0.05 0.1 0.2 0.45 1	10 20 30 40	E2 – DOE w/ Gaskets E4 – 222/Flat Single Open End E5 – 222/Fin Single Open End E6 – 226/Flat Single Open End E7 – 226/Fin Single Open End E14 – SOE w/ Internal O-ring	BN – Buna-N EP – EPDM SI – Silicone VI – Viton TEV – Teflon encap. Viton* *O-rings only