



MTEC-P

Pleated Polyethersulfone Membrane Cartridge Filters

- Manufactured, flushed, tested and packaged, in an ISO Class 7 Cleanroom Environment.
- Meets ASTM Standards for Sterility
- Available in a variety of end cap/adaptor configurations

Ideal for sterile filtration for biopharmaceutical final filtration applications.



SUITABLE USES



Pharmaceutical

ADDITIONAL FEATURES

Pleated 2.7" OD element with exceptional dirt holding capabilities.

0.2 micron rating.

100% flushed with ultrapure DI water and integrity tested.

Steamable/sanitizable for cleaning and reuse.

Pore size, lot and serial number are stamped on each filter for identification and traceability.

INTEGRITY TEST SPECIFICATIONS

Maximum Diffusive Air Flow (per 10-inch cartridge) values for MTec-P filters wet with water:

Pore Size	Bubble Point	Diffusive Air Flow
0.2 um	≥ 40 psig (2.8 bar)	≤ 30 cc/min @ 32 psig (2.2 bar)

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

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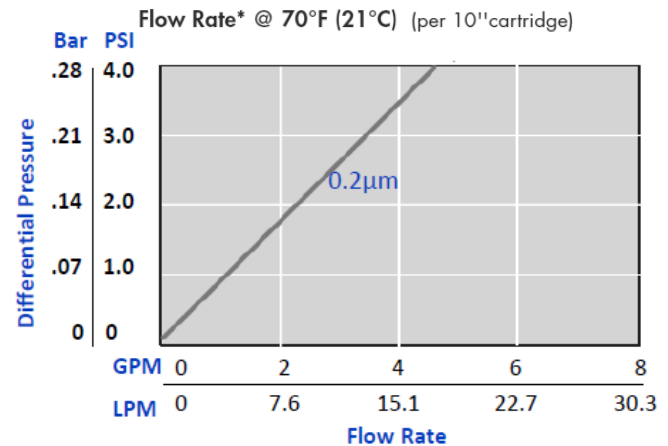
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STANDARD SPECIFICATIONS

MAX. DIFFERENTIAL PRESSURE	80 PSID (4.14 bar) @ 70°F (21°C) 40 PSID (2.8 bar) @ 160°F (71°C)
MAX. REVERSE DIFFERENTIAL PRESSURE	40 PSID (2.8 bar) @ 70°F (21°C)
MAX. OPERATING TEMP.	176°F (80°C) @ 20 PSID (1.38 bar)
REC. CHANGE OUT PRESSURE	35 PSID (2.4 bar)
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	6.8 ft ² (0.63 m ²) per 10" length
MEDIA	Asymmetric Polyethersulfone membrane
INNER CORE, END CAPS, CAGE	Polypropylene
SUPPORT LAYERS	Spunbonded Polypropylene
GASKETS/O-RINGS	Buna-N, EPDM, Silicone, Viton, TEV
MICRON RATINGS	0.2

FLOW RATE



HOT DI WATER

Filter cartridge will withstand temperatures of 185°F (85°C) for up to 30 consecutive minutes.

CLEANING/SANITIZATION

Compatible with most common chemical cleaning, sanitizing and Sterilizing agents and with pH range from 1-14. Consult factory for specific compatibility information.

STEAM/AUTOClave

Cartridges may be steamed or autoclaved for at least 50 thirty-minute cycles @ 275°F (135°C).

BACTERIAL RETENTION PERFORMANCE

Cartridges have been validated for the complete retention of *Brevundimonas diminuta* at a challenge level of 10⁷ organisms/cm² as prescribed in ASTM 838-05.

PRODUCT NOMENCLATURE

MTEC-P	0.2	10	E7	SI
MTEC-P SERIES	MICRON	LENGTH	END CAP	O-RING/GASKET
	0.2	10 20 30 40	E4 - 222 / Flat Single Open End E5 - 222 / Fin Single Open End E6 - 226 / Flat Single Open End E7 - 226 / Fin Single Open End	BN - Buna-N EP - EPDM SI - Silicone VI - Viton TEV - Teflon encap. Viton*
				*O-rings only