



# FLUORO PURE

## PTFE Pleated Cartridge Filter

- Polytetrafluoroethylene Membrane
- FDA Title 21 Compliant
- Ratings from 0.05 to 10 Micron

100% pleated Teflon filters deliver superior chemical resistance and temperature tolerance while ensuring extended service life.



### SUITABLE USES



Air & Gas



Desalination



Coolant



Water



Electronics



Coatings



Oil & Gas



Chemical



Pulp & Paper



Power



Marine



Equipment

### ADDITIONAL FEATURES

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

Pore size ratings from 0.05 to 10 micron to meet a broad range of applications.

Filters are flushed with 18 MΩ-cm DI water to ensure low extractables and low particle shedding.

USP Class VI: Meets USP Class VI Biological Test for Plastics.

FDA Listed Materials: All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5 and 177.1550 as applicable for food and beverage contact.

*For more information, please contact  
[info@fil-trek.com](mailto:info@fil-trek.com) or visit [Fil-Trek.com](http://Fil-Trek.com)*

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## PTFE Pleated Cartridge Filters

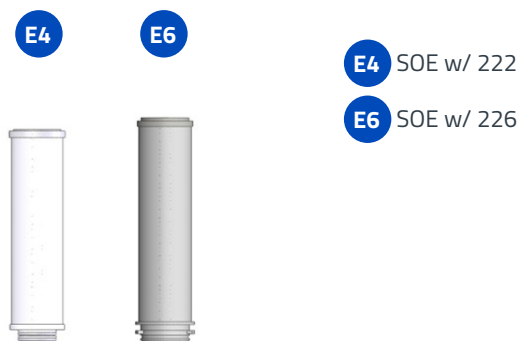
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## STANDARD SPECIFICATIONS

|                                      |                                                                                                                                                    |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MAXIMUM DIFFERENTIAL PRESSURE</b> | 80 PSID (5.5 bar) @ 75°F (24°C)<br>55 PSID (3.8 bar) @ 167°F (75°C)<br>30 PSID (2.0 bar) @ 257°F (125°C)<br>15 PSID (1.0 bar) @ 300°F (150°C)      |
| <b>MAXIMUM REVERSE PRESSURE</b>      | 50 PSID (3.4 bar) @ 75°F (24°C)<br>15 PSID (1.0 bar) @ 250°F (121°C)                                                                               |
| <b>DIMENSIONS</b>                    |                                                                                                                                                    |
| Outside Diameter                     | 2.7" (6.9 cm)                                                                                                                                      |
| Inside Diameter                      | 1.0" (2.54 cm)                                                                                                                                     |
| Surface Area                         | 7.9 ft <sup>2</sup> (0.71 m <sup>2</sup> ) per 10"                                                                                                 |
| <b>AVAILABLE LENGTHS</b>             | 10", 20", 30", 40"<br>(25.4 cm, 50.8 cm, 76.2 cm, 101.6 cm)                                                                                        |
| <b>MEDIA</b>                         | Polytetrafluoroethylene Membrane                                                                                                                   |
| <b>END CAPS, CORE, CAGE</b>          | Perfluoroalkoxy                                                                                                                                    |
| <b>SUPPORT LAYERS</b>                | Fluorinated ethylene propylene,<br>Expanded polytetrafluoroethylene                                                                                |
| <b>GASKETS/ O-RINGS</b>              | Teflon encap. Viton, Perfluorelastomer                                                                                                             |
| <b>O-RING INSERTS</b>                | Polybutylene terephthalate                                                                                                                         |
| <b>MICRON RATINGS</b>                | 0.5, 0.1, 0.2, 0.45, 1, 10                                                                                                                         |
| <b>CERTIFICATIONS</b>                | USP Class VI                                                                                                                                       |
| 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. |

## AVAILABLE END CAP TREATMENTS



## RINSE-UP VOLUMES

|                                  |                            |
|----------------------------------|----------------------------|
| Resistivity rinse-up to 18 MΩ-cm | < 5 liters                 |
| Particle cleanliness             | < 10 particles/mL > 0.1 µm |
| Extractable levels               | < 25 ppb total in 5% HCl   |

## INTEGRITY TEST DATA

| Pore Size | Specification                  |
|-----------|--------------------------------|
| 0.05 µm   | ≤ 90 cc/mm @ 22 psig (1.5 bar) |
| 0.1 µm    | ≤ 50 cc/mm @ 18 psig (1.2 bar) |
| 0.2 µm    | ≤ 50 cc/mm @ 12 psig (0.8 bar) |
| 0.45 µm   | ≤ 50 cc/mm @ 5 psig (0.34 bar) |
| 1 µm      | ≤ 50 cc/mm @ 3 psig (0.2 bar)  |
| 10 µm     | N/A                            |

Maximum Diffusive Air Flow (per 10-inch cartridge) values for Citadel filters wet with 60/40 IPA/water

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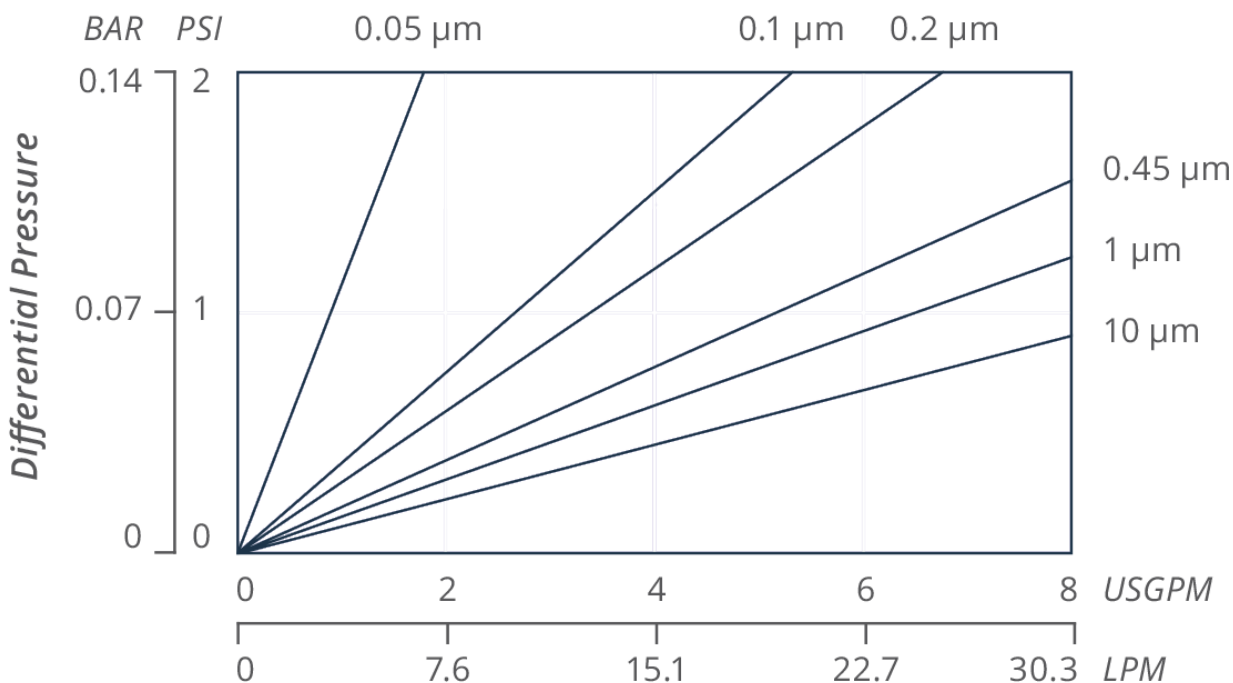
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## FLOW RATE

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



## PRODUCT NOMENCLATURE

| FP               | 0.05                                  | 20                   | E4                                                             | TV                                    | -           |
|------------------|---------------------------------------|----------------------|----------------------------------------------------------------|---------------------------------------|-------------|
| SERIES           | MICRON                                | LENGTH               | END CAP                                                        | O-RING/GASKET                         | OPTIONS     |
| FP - Fluoro Pure | 0.05<br>0.1<br>0.2<br>0.45<br>1<br>10 | 10<br>20<br>30<br>40 | E4 - 222/Flat Single Open End<br>E6 - 226/Flat Single Open End | TV - Teflon encap. Viton<br>FF - FFKM | W - Pre-Wet |