



Graver Technologies

Filtration | Separation | Purification

## WaterTEC™ Series Filter Cartridges

### Absolute Rated Polyethersulfone Membrane Filter Cartridges

The WaterTEC filter series is constructed of absolute rated, hydrophilic, asymmetric polyethersulfone membrane and polypropylene components. The filter is designed for overall filtration economy and provides excellent flow rates and throughputs.

#### Features–Benefits

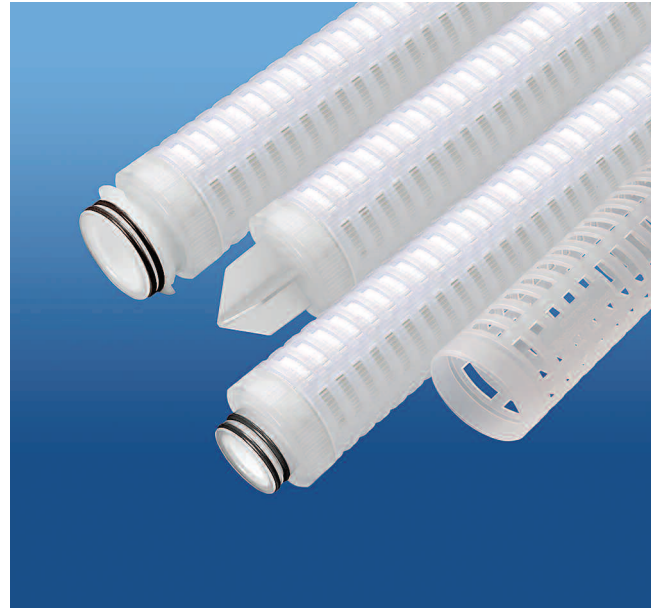
- Low pressure drop reduces energy costs
- High dirt holding capacity minimizes change-outs and down time
- All thermal bonded construction with no adhesives
- Available in all common configurations to allow use of existing filter housings
- Cost effective absolute filtration

#### Product Specifications

Media:	Asymmetric polyethersulfone
Inner core, end caps, cage:	Polypropylene
Support layers:	Spunbonded Polypropylene
Gaskets/O-Rings:	Buna-N, EPDM, Silicone, Viton, Teflon Encapsulated Viton (O-Rings only), Teflon (gasket only)
Micron ratings:	0.05, 0.1, 0.2, 0.45, 0.65 $\mu$ m
<b>Dimensions</b>	
Nominal lengths:	5", 9.75", 10", 20", 30", 40" (12.7, 24.7, 25.4, 50.8, 76.2, 101.6 cm)
Outside diameter:	2.7" (6.9 cm)
Inside diameter:	1.0" (2.54 cm)
Surface area:	6 ft <sup>2</sup> . (0.56 m <sup>2</sup> ) per 10 inch element

#### Operating Parameters

Maximum sustained operating temperature:	180°F (82°C) at 20 psid (1.38 bar)
Maximum differential pressure:	60 psid @ 80°F (4.14 bar @ 27°C) 30 psid @ 160°F (2.07 bar @ 71°C) 15 psid @ 200°F (1.03 bar @ 93.3°C)
Maximum reverse differential pressure:	40 psid @ 70°F (2.8 bar @ 21°C)
Recommended change-out pressure:	35 psid (2.4 bar)



#### Certifications

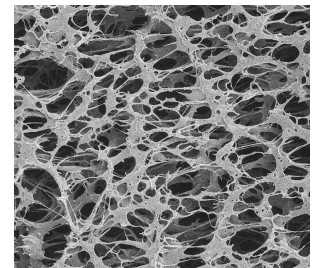
**USP Class VI** - Meets USP Class VI Biological Test for Plastics.

**FDA Listed Materials** - All Materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, 177.1520, and 177.2440 as applicable for food and beverage contact.

**European Directive for Direct Food Contact** - European Regulations No 1935/2004 and European directive 82/711/EEC: Tested for migration behavior in direct food contact. Minimal rinse required for use. Data available upon request.

#### Typical Applications

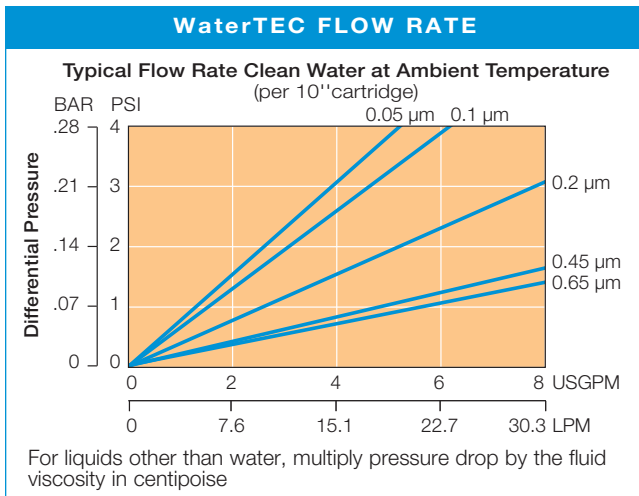
- General water filtration
- DI water prefilter
- DI water post filter
- Aqueous based chemical processing



## WaterTEC Nomenclature Information

<b>WaterTEC</b>	<b>0.2</b>	<b>-10</b>	<b>P2</b>	<b>E</b>	<b>-R</b>
<b>Filter Type</b> WaterTEC Series Filters		<b>Nominal Length (inches)</b> -5 -9.75 -10 -20 -30 -40	<b>End Configuration</b> <b>P</b> Double Open End <b>P2</b> 226/Flat Single Open End <b>P3</b> 222/Flat Single Open End <b>P7</b> 226/Fin Single Open End <b>P8</b> 222/Fin Single Open End <b>AM</b> Single open end, internal O-Ring		<b>Pre-Rinse Option</b> -R Factory Pre-Rinse
<b>Retention Rating (microns)</b> 0.05 0.1 0.2 0.45 0.65				<b>Gasket or O-Ring</b> <b>S</b> Silicone <b>B</b> Buna-N <b>E</b> EPDM <b>V</b> Viton <b>T</b> Teflon endcap. Viton (O-Rings only) <b>T</b> Teflon (gasket only)	

Example: WaterTEC 0.2-10P2E



### Performance Specifications

#### 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.

### For more information

Graver Technologies Customer Service: **1-888-353-0303**

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