



Graver Technologies

Filtration | Separation | Purification

## WaterTEC™ Filter Series

### 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.

#### Filter 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
- All materials are FDA listed for food and beverage contact (U.S. CFR, Title 21)
- Meets USP, Class VI for plastics

#### Filter 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)
Micron ratings:	0.05, 0.1, 0.2, 0.45, 0.65 $\mu\text{m}$
Compatibility:	Compatible with most common chemical cleaning, sanitizing and sterilizing agents and with pH range from 1–14. Consult factory for specific compatibility information
Cleanliness:	Non-fiber releasing, no wetting agents

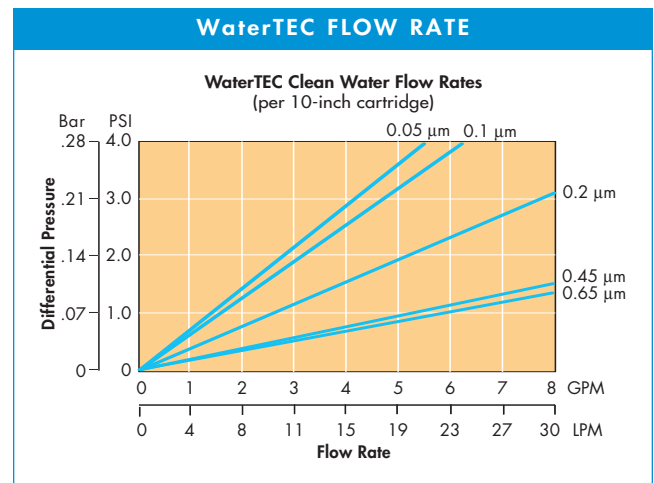
#### Dimensions and Operating Parameters

Typical nominal lengths:	9.75", 10", 20", 30", 40" (24.7, 25.4, 50.8, 76.2, 101.6cm)
Outside diameter:	2.7" (6.86 cm)
Inside diameter:	1.1" (2.79 cm)
Surface area:	6 ft <sup>2</sup> . (0.56m <sup>2</sup> ) per 10 inch element
Maximum sustained operating temperature:	180°F (82°C) at 20 psid (1.38 bar)
Maximum differential pressure:	60 psid @ 80°F (4.14bar @ 27°C) 30 psid @ 160°F (2.07 bar @ 71°C) 15 psid @ 200°F (1.03 bar @ 93.3°C)
Recommended change-out pressure:	35 psid (2.4 bar)



#### Typical Applications

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



## WaterTEC Nomenclature Information

<b>WaterTEC</b>  <b>Filter Type</b> WaterTEC Series Filters	<b>0.2</b>	<b>-10</b>  <b>Nominal Length (inches)</b> -9.75 -10 -20 -30 -40	<b>P2</b>	<b>E</b>	<b>- R</b>  <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 encap. Viton (O-Rings only) <b>T</b> Teflon gasket	
			<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		

Example: WaterTEC 0.2-10 P2E

### For more information

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