



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, Cage, End Caps	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 µm
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

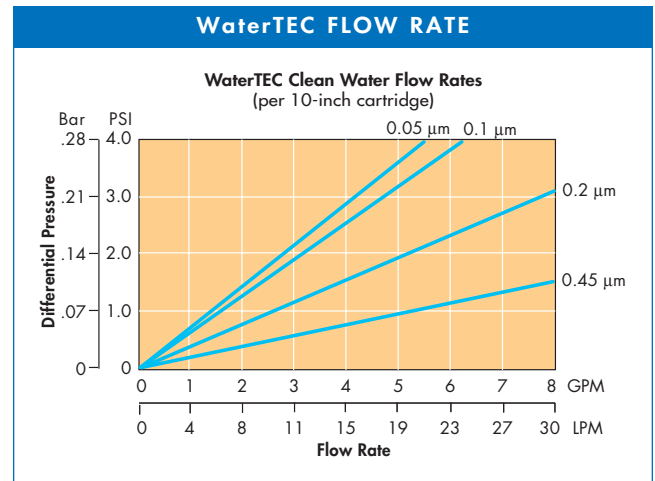
#### Dimensions and Operating Parameters

Typical nominal lengths:	9.75", 10", 20", 30", 40" (24.7, 25.4, 50.8, 76.2, 101.6 cm)
Outside diameter:	2.7" (6.86 cm)
Inside diameter:	1.1" (2.79 cm)
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)
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> Filter Type WaterTEC Series	<b>0.2</b>	<b>-10</b>	<b>P2</b>	<b>E</b>	<b>-R</b>
		Nominal Length (inches) -9.75 -10 -20 -30 -40			Pre-Rinse Option -R Factory Pre-Rinse
	Retention Rating (microns) 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		

Example: WaterTEC 0.2-10 P2E-R

### For more information

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