

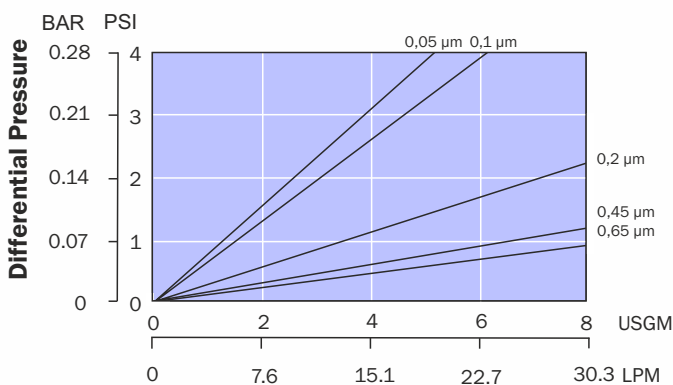
Areas of Application

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

Diagram

Typical Flow Rate Clean Water at Ambient Temperature

(per 10" cartridge)



GR-W 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.

Main Features:

- USP Class VI: Meets USP Class VI Biological Test for Plastics
- European Directive for Food Contact: European Regulation No. 1935/2004 and European Regulation 10/2011: Tested for migration behavior and is suitable for contact with all kinds of foodstuffs with minimal rinse-up. Data available upon request.
- All thermal bonded construction with no adhesives
- Available in all common configurations to allow use of existing filter housings
- Cost-effective absolute filtration
- High dirt holding capacity minimizes change-outs and down time
- Low pressure drop reduces energy costs

General Technical Data

| | |
|-----------------------------|--|
| Media: | Asymmetric Polyethersulfone Membrane |
| Inner core, end caps, cage: | Polypropylene |
| Support layers: | Spunbonded Polypropylene |
| Gaskets/O-Rings: | Buna-N, EPDM, Silicone, Teflon Encapsulated Viton (O-Rings only), Viton |
| Micron ratings: | 0,05, 0,1, 0,2, 0,45, 0,65 µm |
| Inside diameter: | 25,4 mm |
| Outside diameter: | 69 mm |
| Surface area: | 0,56 m ² (per 10" Element) |
| Operating temperature: | Max. 80 °C (at 1,38 Bar differential pressure) |
| Differential pressure: | <i>Forward:</i> Max. 5,2 Bar @ 21 °C Max. 2,0 Bar @ 80 °C <i>Reverse:</i> Max. 2,8 Bar @ 21 °C |
| Change-Out pressure: | at the latest at 2,4 Bar differential pressure |

PERFORMANCE SPECIFICATIONS

- Cleaning/Sanitization**

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

- Steam/Autoclave**

Cartridges may be autoclaved for 30 minutes at 250 °F (121°C) under no end load conditions. Cartridges fitted with steam insert may be steamed for at least 10 thirty-minute cycles @ 275 °F (135 °C) not to exceed 3 psid (0.21 bar).

Order Information:

GR25-W



| Adapter | |
|---------|--------------------------------|
| 1 | DOE |
| 2 | 226/ Flat |
| 3 | 222/ Flat |
| 6 | Ametek-Adapter (O-Ring inside) |
| 7 | 226/ Fin |
| 8 | 222/ Fin |

| Length | |
|--------|----------|
| 05 | 5" |
| 93 | 9 3/4" * |
| 10 | 10" |
| 20 | 20" |
| 30 | 30" |
| 40 | 40" |

* Available only for DOE configuration

| Rating | |
|--------|---------|
| 0005 | 0,05 µm |
| 001 | 0,1 µm |
| 002 | 0,2 µm |
| 004 | 0,45 µm |
| 006 | 0,65 µm |

| Gasket or O-Ring | |
|------------------|-----------------------|
| 0 | Buna |
| 1 | EPDM |
| 2 | Silikon |
| 4 | Viton |
| 5 | Teflon / encap. Viton |
| 5 | Teflon * |

*Flat Gasket for DOE Adapter

| Options | |
|---------|-------------------|
| I | End Cap Insert |
| R | Factory Pre-Rinse |

Order Example:

GR25-W-710-0005-2