

# WESTCO FILTERS

Liquid Filter Solutions since 1982

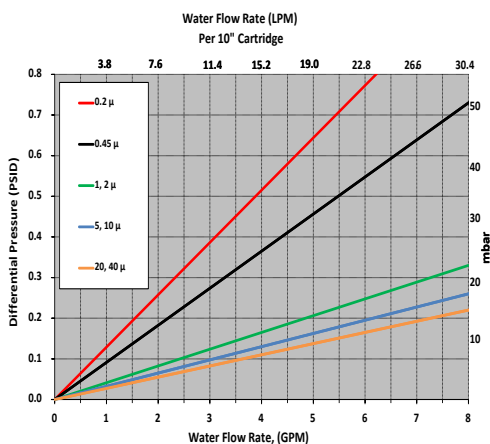
## MG High Purity Microglass Pleated Cartridges

**High Purity Pleated Microglass Cartridges** offer an economical, absolute rated, filtration solution for both liquids and gases. They offer excellent flow rates and long service life with an exceptional ability to retain both deformable and non-deformable particles.

FG cartridges are constructed with absolute rated borosilicate microglass media that offers high dirt-loading capacities. The natural positive charge of the glass also aids in the retention of negatively charged particulates such as bacteria, endotoxins and a variety of colloidal materials. FG cartridges are offered in both absolute (to 99.98%) and nominal (90%) retention efficiencies.



### Flow Rate vs Pressure Drop



\*All data is based on absolute rated medias. Nominally rated medias will result in a pressure drop reduction of approximately 10%.

### Typical Applications

- Membrane
- Pre-Filtration
- Sterile Air Pre-Filtration
- Corn Syrup
- R.O. Pre-Filtration
- Wine Clarification
- Hydrocarbons

### Construction Materials

**Filtration Media** - FDA borosilicate microglass with acrylic binder.

**Support Media** - Spun-bonded polyester laminated on both upstream and downstream sides.

**End Caps**.....Polypropylene

**Center Core**..... Glass-reinforced Polypropylene

**Outer Support Cage**.....Polypropylene

**O-Rings/Gaskets**.....Buna, EPDM, Silicone, Viton®, Teflon® Encapsulated Viton®

### Sanitization/Sterilization

**Filtered Hot Water**.....80°C for 30 min.

**Steam Sterilization**.....121°C for 30 min., multiple cycles

**Chemicals:** Cartridges are chemically compatible with most chemical cleaning and sanitizing agents.

**Note:** Stainless steel end cap insert option needed for all cartridges being hot water sanitized or steam sterilized.

### Dimensions

#### Length:

10 to 40 inches (25.4 to 101.6 cm) nominal

#### Outside Diameter:

2.75 inches (7.0 cm) nominal

### Maximum Recommended Operating Conditions

**Change Out**..... ΔP 35 PSI

**Temperature**.....200°F (93°C)

**Note:** Optional high temperature construction available featuring stainless steel core (235°F).

### FDA Listed Materials

Manufactured from materials which are listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

### Toxicity

All polypropylene components meet the specifications for biological safety per USP Class VI – 121°C for plastics.