

MicroVantage™ WGAS Series

*Water Grade Polyethersulfone Absolute Membrane
Filter Elements*

Shelco's new MicroVantage™ pleated membrane cartridges are designed to meet a wide spectrum of industries. From our water grade pleated membranes designed for high purity applications at an economical cost to our integrity testable pharmaceutical grade membranes, these cartridges are manufactured to the most stringent production standards making them the new benchmark of the industry. The Shelco MicroVantage™ cartridge should be your choice when absolute retention is essential to the process.

Features

- The MicroVantage™ Membrane Series is available in 0.1, 0.2 and 0.45 pore sizes.
- All materials of construction meet requirements of the FDA Title 21 of The Code of Federal Regulations.
- Cartridges are designed for maximum throughput and particle retention at the lowest pressure drop.
- Polyethersulfone construction offers a wide range of compatibility.
- The WGAS cartridge is a non-flushed product with 6 sq. ft. of media.
- Advantages are excellent throughput and low ΔP characteristics.

Applications

Bottled Water
DI Filtration
Processed Water
High Purity

Specialty Chemicals
Final Filtration
Waste Water
RO Filtration



Product Specifications

Pore Size Retention Ratings

0.1, 0.2, 0.45 Microns Absolute

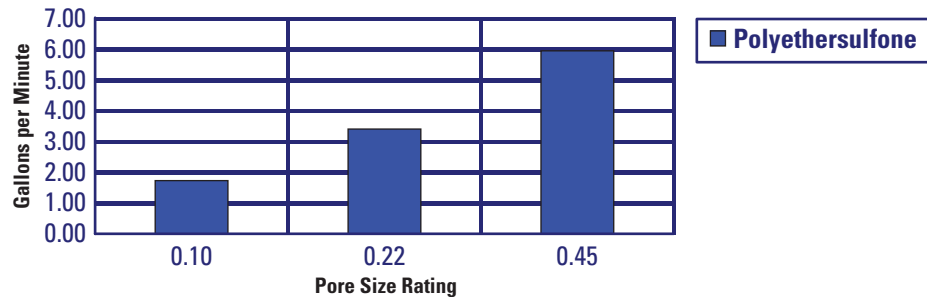
Materials of Construction

Filtration Media:	Polyethersulfone
Filtration Media Support:	Polypropylene
End Caps:	Polypropylene
Center Core:	Polypropylene
Outer Support Cage:	Polypropylene
Method of Construction:	Thermally Bonded
Gaskets and O-Rings:	Buna, Viton, Silicone, Ethylene Propylene

Integrity Testing

Pore Size	Bubble Point
0.1µm	60 PSI
0.22µm	44 PSI
0.45µm	25 PSI

Per 10" Length - Water Wetted Membrane



This chart represents typical water flow @ 1 PSID per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolation for multiple elements tends to be linear, but as flows increase the ΔP of the housing becomes more apparent.

ORDERING GUIDE

WGA	S	0.2	-	10	S4	E
Product Code	Media	Micron		Length	End Cap Configuration	Gasket/O-Ring
WGA	S - Polyethersulfone	0.1 0.2 0.45		5 = 4 7/8" 975 = 9 3/4" 10 = 9 7/8" 20 = 20" 30 = 30" 40 = 40"	S1 = DOE w/ Flat Gaskets S3 = 222 w/Fin End S4 = 222 w/Flat End S5 = 226 w/Fin End S6 = 226 w/Flat End S7 = *Internal O-Ring w/Recessed Plug S9 = *Internal O-Ring Both Ends	B = Buna E = EPR S = Silicone V = Viton

*Choose O-Ring Size: 119, 120 or 213 available. Please add to end of part number. Exmaple: WGAS0.2-10S7S-213



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SHELCO FILTERS

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