## MicroVantage™ MVS Series

End caps: Polypropylene Support Layers: Polypropylene

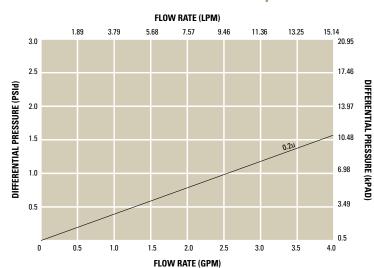
**Reinforcing Ring: Encapsulated 316 SS** 

Sterilizing Grade Polyethersulfone Membrane Filter Cartridge

# MicroVantage Ultra Premium Filter Series



Cartridges may also be chemically sanitized in place using common sanitizing agents



## Flow vs. Pressure Drop



Per 10" Length Water Wetted Membrane

## Ordering Guide (Example: MVS0.2-10S5S)

#### **Retention Validation**

Testing was performed in compliance with US FDA (GMP) regulations 21 CFR parts 210,211 and 820. Testing was also performed based on ASTM F838-05 standard test method and HIMA protocols for the determination of bacterial retention in filters used for liquid filtration. The challenge level is  $10^7$  Organisms per cm<sup>2</sup> of filter media: 0.2 µm challenged with Brevundimonas diminuta. Validation guide available upon request.

#### **Biological Safety**

The MVS filters have undergone extensive testing to assure they meet the demands of the critical biopharmaceutical market. MEM elution, Bacterial Endotoxins, Oxidizable Substances, Microbial Retention, USP Physicochemical and USP Class VI. This information is documented and MVS elements have passed all the above testing.

#### **Quality Assurance**

MVS MicroVantage filter cartridges are manufactured using Good Manufacturing Practices under a quality management system. Each filter is assembled, flushed, tested, dried and packaged in the appropriate clean room and assigned a lot code to ensure traceability of data and material.

MVS	0.2 -	- 10	<b>S</b> 5	S
PRODUCT CODE	MICRON	LENGTH	END CAP CONFIGURATION	GASKET/O-RING
MVS	0.2	10" 20" 30" 40"	S3 = 222 w/ Fin End S4 = 222 w/ Flat End S5 = 226 w/ Fin End S6 = 226 w/ Flat End	S = Silicone E = EPR V = Viton B = Buna T/V = Teflon Encapsulated Viton T/S = Teflon Encapsulated Silicone

### Sanitary Filter Housings & Accessories

Shelco offers a full line of sanitary filter housings to meet your most critical applications.





