

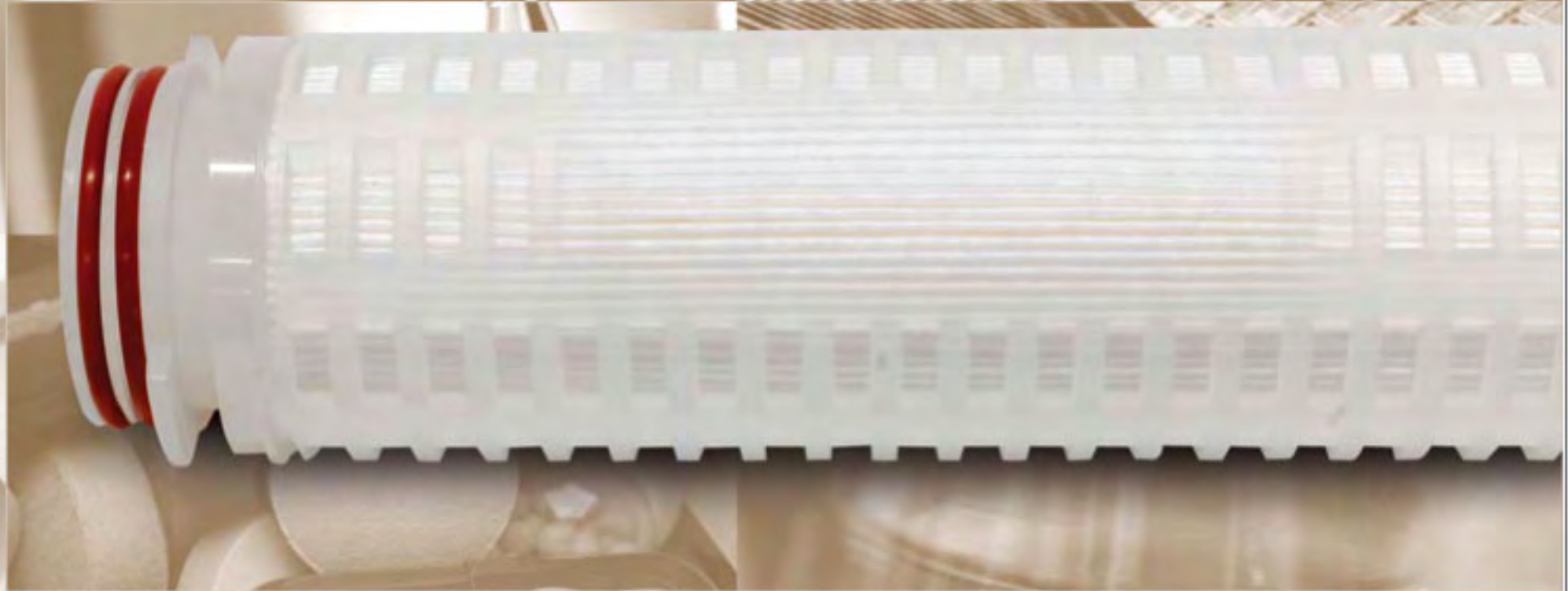
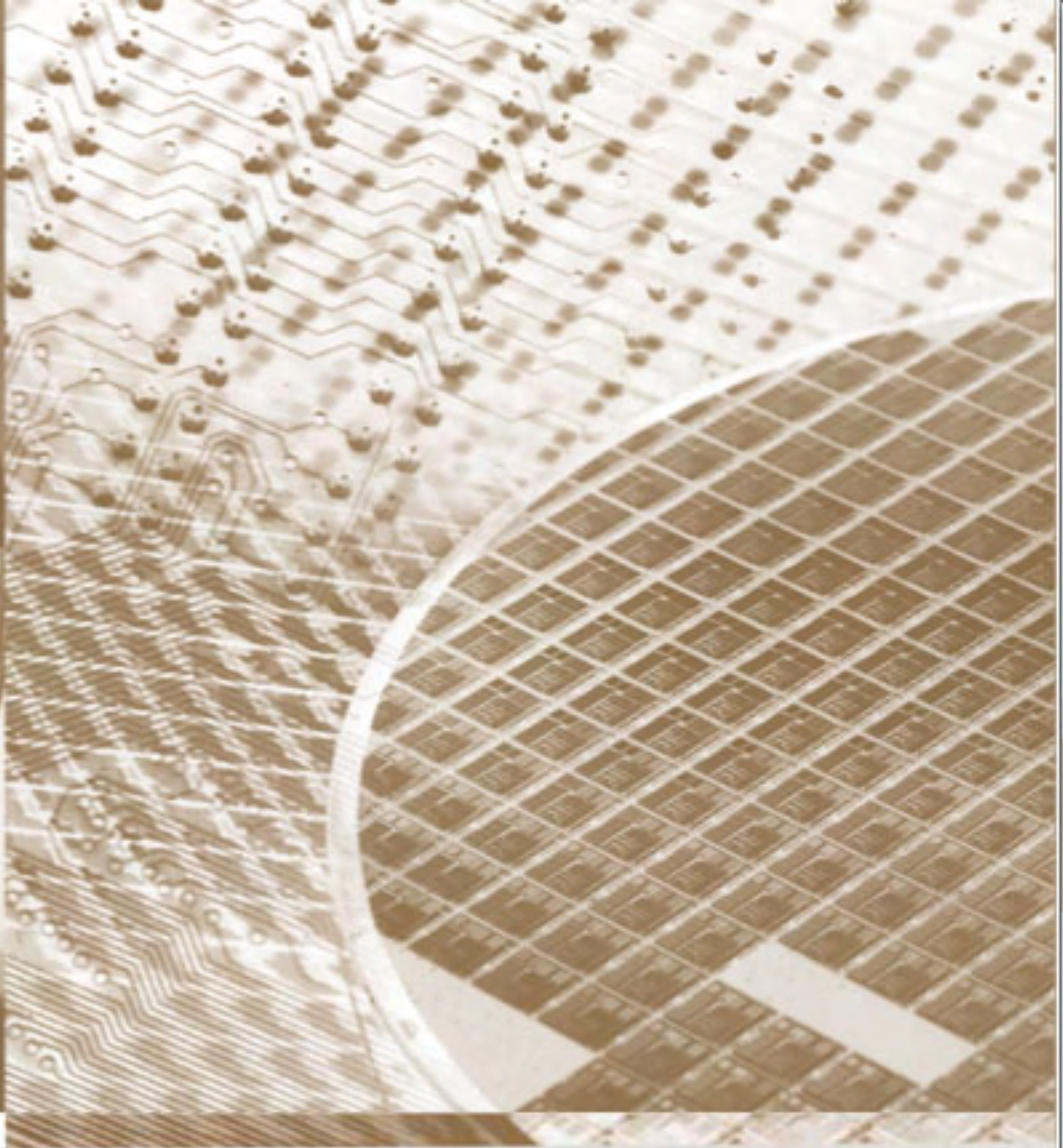
*General • Electronic • Beverage • Pharmaceutical*

**MicroVantage**  
**Ultra Premium Filter Series**



[www.shelco.com](http://www.shelco.com)

*Quality filter cartridges and customized housings.*



# High purity, premium performance solutions for your filtration needs.

Shelco's MicroVantage filter cartridges and housings set the standard for cost effective, practical solutions earning them the reputation as the "hardest working" filters available on the market today. When absolute retention and high purity are essential, MicroVantage is the obvious choice. These high purity filters meet and exceed the demanding specifications of a wide spectrum of today's industries - including beverage, microelectronics, pharmaceutical and chemical processing manufacturers.

Shelco follows the most stringent production standards to manufacture its high purity cartridges. Its high performance facility includes a Class 10,000 clean room where all assembly, testing, flushing, drying and packaging is completed. For additional quality assurance, Shelco provides lot code traceability to each grade of its high purity membrane, pleated and depth filters.

Achieve filtering excellence today – and realize cost savings and higher performance from your equipment - with Shelco MicroVantage filter cartridges and housings.



## Membrane Cartridges

Shelco MicroVantage™ Membrane Filters are the premier choice when absolute retention and integrity testable filters are essential for meeting critical process parameters. These high-grade filters are designed to specifically to meet the most stringent applications requirements for the beverage, electronic, pharmaceutical and general industrial markets. Each membrane filter is produced in a state-of-the-art manufacturing facility and tested in a Class 10,000 clean room to ensure the highest purity.

Our membrane filters are available with polyethersulfone (PES), polysulfone (PS), nylon and polytetrafluoroethylene (PTFE) membranes constructed in a wide range of cartridge configurations to retrofit most standard industry housings. The filters are available in micron ratings from 0.03 to 1.2 microns and an assortment of gasket/o-ring materials to match each product specifically for the application.

MAS Series Polyethersulfone Membranes

MAT Series Polytetrafluoroethylene Membranes

MAN Series Nylon Membranes

WGAS Series Polyethersulfone Membranes

WGPS Series Polysulfone Membrane



## Pleated Cartridges

Shelco MicroVantage™ Pleated Filters are the ideal choice for critical and demanding applications requiring absolute rated or high retention efficiencies and extended service life. The pleated filters are available with polypropylene and glass fiber media in 0.2 through 50 microns to address a wide range of chemical compatibilities for processes with prefiltration, clarification and final purification requirements.

The MicroVantage™ Polypropylene pleated filters are available in various grades offering absolute (Beta 5000 – 99.98%) and nominal (90%) retention ratings and increased surface area to meet market needs. The polypropylene filters are constructed of all FDA approved materials and meet CFR requirements for use in food applications.

MPX Series Polypropylene Filter – Absolute Rated with Extended Surface Area

MPA Series Polypropylene Filter – Absolute Rated

MPN Series Polypropylene Filter – Nominal Rated

MGF Series Glass Fiber Filter



Shelco offers filters and housings of the  
For more information about our complete line please

## Depth Cartridges

Shelco MicroVantage™ Depth Filters provide high performance and value added solutions for critical process applications where costs are a key consideration. The depth filters are available in several models to provide the performance characteristics required for your process requirements.

The MicroVantage PD series depth filters offer premium quality construction and feature multi-zone pore structure over a rigid center core to provide true gradient density filtration and high structural strength to prevent collapsing and contaminant bypass. The PD series are offered in 0.5 to 100 microns with 99% (Beta 100) and 90% (Beta 10) efficiencies. The MB series' provide nominal filtration with a graded density construction for prefiltration and non-critical filter applications. All polypropylene filters are constructed of FDA approved materials and meet CFR requirements for use in food applications.

PDA Series Polypropylene Depth Filter – Absolute Rated  
PDH Series Polypropylene Depth Filter – High Efficiency  
MB Series Melt Blown Polypropylene Filter – Nominal Rated



## Sanitary and High Purity Housings

For critical and demanding applications requiring high purity, maximum durability, ease-of-use and exceptional value, Shelco's MicroVantage™ sanitary and high purity housings are the perfect choice.

Shelco's SFH series of sanitary housings feature a 25 RA interior finish, sanitary ferrules on all connections and removable tube sheets for complete access and easy cleaning of all housing surfaces.

Shelco's high purity series provide premium quality, cost-effective alternatives for critical applications requiring electro-polished 316 stainless steel housings. The HPS single cartridge housing features a fully machined head and tri-clamp closure. The HPI series multi-cartridge housings include universal cartridge connectors, pressure gauges and RF flanges for exceptional value. The HPV series vent housings feature top and bottom mount flanges and clamp closure for easy installation and cartridge change-outs.

SFH Series Sanitary Filter Housings  
HPS Series High Purity Single Cartridge Filter Housings  
HPI Series High Purity Industrial Multi-Cartridge Filter Housings  
HPV Series High Purity Vent Filter Housings

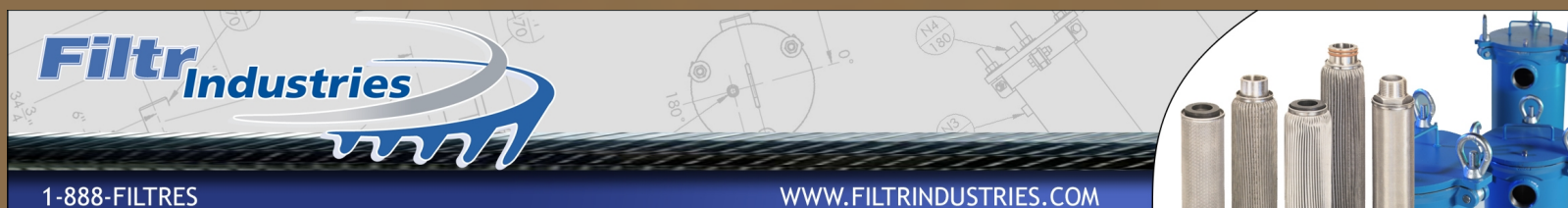




Offering Premium Filtration Solutions  
Both Domestically and Internationally Since 1973.

Shelco is your one-stop shop for filtration solutions worldwide.  
No matter where you do business, our dedicated professionals can design  
a housing and filter to meet your specific needs.

Shelco has a solution for you.



100 Bradley Street • Middletown, CT 06457 USA • Tel: 860.854.6121 • 800.543.5843  
Fax: 860.854.6120 • E-mail: [info@shelco.com](mailto:info@shelco.com) • [www.shelco.com](http://www.shelco.com)