

## SC PES FILTER CARTRIDGES

POLY ETHER SULPHONE (PES) MEMBRANE - STERILE LIQUID FILTER

### FEATURES AND BENEFITS

- Low diffusion flow
- Inherently hydrophilic PES membrane
- High surface area provides excellent flow rates and extended service life while maintaining high bacteria removal efficiency
- Low protein binding

### TYPICAL APPLICATIONS

- Food and Beverage
- Medical and Health Services
- Pharmaceuticals
- Life Science

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SC PES Filter Cartridges are specially designed to provide a reliable sterilizing solution at an economical cost. Hydrophilic PES membrane cartridges require no pre-wetting and are ready to use. In addition, these filters provide excellent performance in pharmaceutical applications.

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### QUALITY STANDARDS

- Bacterial quantitative retention of 10<sup>7</sup> CFU/cm<sup>2</sup> *Brevundimonas Diminuta* (ATCC 19146) according to ASTM F838 methodology.
- 100% Integrity testing in manufacturing.
- Each filter is fully traceable with a unique serial number.
- Manufactured in a facility which adheres to ISO 9001:2015 Practices.

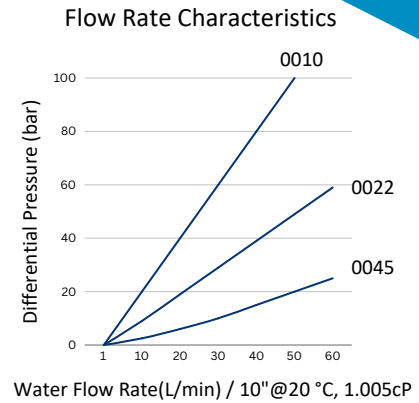


## MATERIALS OF CONSTRUCTION

Filter Media	PES Membrane
Cage/Support	Polypropylene
Core/ End Caps	Polypropylene

## OPERATING CONDITIONS

Max. Operating Pressure	6.9 bar (100 psi) at 25 °C
	4.0 bar (58 psi) at 60 °C
	2.4 bar (35 psi) at 80 °C
Max. Differential Pressure	Forward 6.9 bar (100 psi) at 25 °C
	4.0 bar (58 psi) at 60 °C
	2.4 bar (35 psi) at 80 °C
	Reverse 3.0 bar (44 psi) at 25 °C
	1.0 bar (15 psi) at 80 °C
Effective Filtration Area	0.58m <sup>2</sup> / Φ 69-10 inch



## INTEGRITY TEST DATA

Bubble Point	BP : ≥ 0.32 MPa (water), 0.22 μm
	BP : ≥ 0.20 MPa (water), 0.45 μm
Diffusion Flow	DF : ≤ 25 ml/min/10" @ 0.275 Mpa, 0.22 μm
	DF : ≤ 25 ml/min/10" @ 0.15 Mpa, 0.45 μm

## PES CARTRIDGES ORDERING GUIDE

