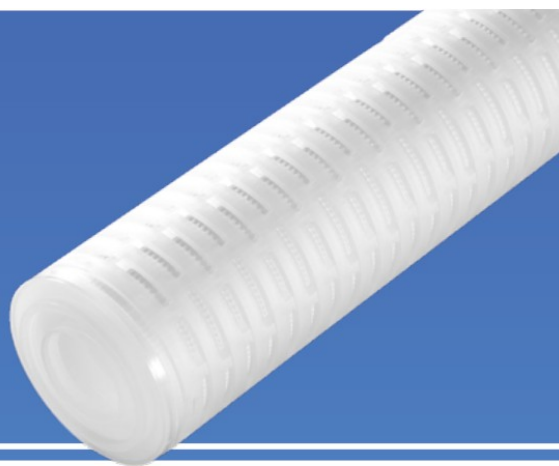


PES SERIES PLEATED FILTER CARTRIDGES



Product Description

Excellent Interception Capacity

PES (Polyethersulfone) filter cartridges are high-performance filtration devices commonly used in various industries. These cartridges utilize a PES membrane, known for its excellent chemical compatibility, low protein binding, and high flow rates. The pleated design maximizes surface area, allowing for efficient filtration even with challenging fluids. PES cartridges find applications in diverse areas such as pharmaceutical manufacturing, biotechnology, food and beverage processing, and chemical industries. They are particularly valuable in applications requiring high purity levels and compatibility with aggressive chemicals.

Application



Features

- Extensive chemical compatibility
- High flux, high dirt load, low pressure drop, low protein binding, excellent intercepting capacity
- Passed the bacterial challenge test, LRV>7.
- The limitations of integrity were correlated with the results of bacterial challenge testing

Technical Data

Product code	Retention ratings (µm)	Filter area (m²)	Length (inch)	Diameter (mm)	Max. differential pressure	Max. operating temp (°C)
PESMC	0.04, 0.1, 0.22, 0.45, 0.65, 0.8, 1	0.65	10" 20" 30" 40"	2.75"-69	Positive: 0.4MPa/25°C Negative: 0.2MPa/25°C	85
Minimum bubble point of integrity test data (IPA / Water)		Diffusional flow of integrity test data		Sterilization method (°C / 30min)		
Single Layer: 0.1µm: ≥ 0.38MPa 0.22µm: ≥ 0.32MPa 0.45µm: ≥ 0.24MPa Double Layers: (0.1+0.1)µm: ≥ 0.40MPa (0.22+0.22)µm: ≥ 0.36MPa		(0.22+0.22)µm: ≤30 ml/min@2.8 bar		121°C		

Structural Material

Filter medium	PES
Support	PP
Core/ Cage	PP
End cap	PP
Connection	DOE, 222-Flat, 226-Flat, 222-Fin, 226-Fin, 222-Fin(304BI), 226-Fin(304BI)
Seal rings options	BUNA, EPDM, Silicon, Viton

Flow Rate Characteristics

