

PES (Poly Ether Sulphone) Filter Cartridge



PES Cartridges are made of poly ether Sulphone with uniform pore distribution to ensure maximum performance in bacterial retentions. It's upstream & down stream polyester support ensures resistance to pressure shocks. Polyethersulphone membrane is hydrophilic in nature, it allows easy integrity testing for all applications where daily controls are required. The membrane possesses broad chemical compatibilities & contains no surfactants. PES Cartridges are produced in controlled environments & under stringent production conditions that ensure filter quality & cleanliness. These are assembled integrally by thermowelding. This process minimizes the presence of oxidization of substance & yield a durable filter cartridges suitable for extended use. This can be sanitized by chemical agents or by inline steaming. PES and polypropylene, the unique two materials used in cartridge manufacturing are chemically inert, not shedding and biologically safe according to F.D.A., USP and EEC requirements for pharmaceutical and food contact use. The filtration area of each cartridge is as high as 0.7 m². Therefore it offers high flow rate, low pressure drop & long service life.

Features & Benefits

- PES Membrane is inherently hydrophilic with excellent hydrolytic stability & chemical compatibility
- Specific pore size distribution for full bacterial retention to ensure sterile effluent even under process upsets
- End caps and connectors are sealed by thermal bond, free from binder.
- Low pressure drop and high flow rate due to high filtration area of 0.7 m² Per 10" cartridge
- Absolute rated
- Autoclave or in situ steam sterilization features
- Integrity test is possible
- FDA approved

Technical Specifications

• Sizes	10", 20", 30", 40" Long
• Micron Rating	0.1, 0.2, 0.45, 1 Micron
• Filtration Area	More Than 0.7 m ² Per 10" cartridge
• Outer Diameter	69 mm
• Inner Diameter	28 mm

Configuration

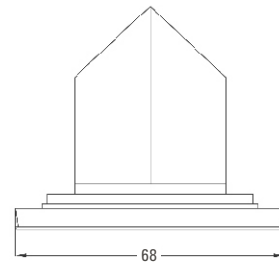
- Double Open Type (DOE Type)
- Code 7S (226 'O' Ring Design / Bayonet)
- Code 7F (226 'O' Ring Design / Flat)
- Code 3S (222 'O' Ring Design / Bayonet)
- Code 3F (222 'O' Ring Design / Flat)

Construction

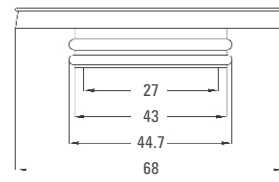
• Filter Media	PES (Poly Ethersulphone) Membrane
• Support Media	Polypropylene fiber
• Inner Core	High strength polypropylene
• Outer Core	High strength polypropylene
• End Caps	High strength polypropylene
• O Ring / Gaskets	EPDM / Buna N / Silicone / Viton

Applications

• Pharmaceuticals
• Food & Beverages
• DI water Filtration

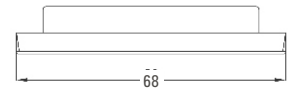


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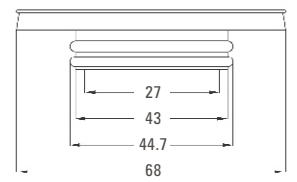


BOTTOM

222 O'RING
WITH BAYONET DESIGN

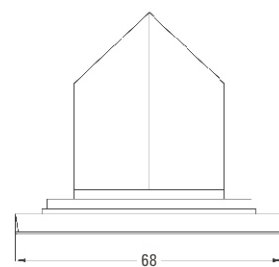


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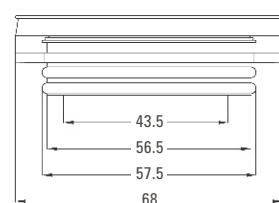


BOTTOM

222 O'RING
WITH FLAT DESIGN



TOP

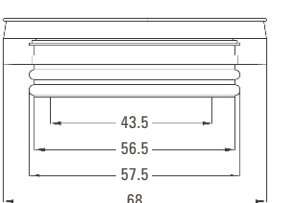


BOTTOM

226 O'RING
WITH BAYONET DESIGN



TOP



BOTTOM

226 O'RING
WITH FLAT DESIGN