

DPES Series Polyethersulfone cartridges

Masterfilter DPES filter cartridges manufactured with double hydrophilic polyethersulfone membranes are designed for secure and reliable removal of spoilage microorganisms. Due to high efficiency polyethersulfone PES membranes ensure excellent service life and filtration results. It is an excellent selection as final filter prior to bottling or storage of pharmaceutical, beverages and liquid food products.

Features and Benefits

- Double-layered membrane provide excellent reliability of sterilisation
- Broad chemical compatibility (PH 1-14)
- 100 % integrity tested
- Built in asymmetric pre-filter layer for longer life and lower filtration costs
- Each individual element is integrity tested (series number)



Applications

- Bottled water
- Juices
- Process water
- Wine
- Ophthalmics
- Liquid (LVP/SVP)
- Blood products
- Biological Vaccine

Effective Filtration Area

1.28 m² per 10" (250 mm) Ø69

Food and Biological Safety

Comply with the relevant requirements of EU 1935/2004 and EU Directive 10/2011

Materials of construction

- Membrane: Double Layer PES
- Support layer: Polypropylene
- Inner core: Polypropylene
- Outer cage: Polypropylene
- End caps: Polypropylene
- End cap insert: Stainless Steel
- O-Rings: EPDM/Silicone

Operating Characteristics

- Maximum Differential Pressure: 4bar (21°C)
- Max. Temp.: 2,4bar (90°C)
- In situ steam Sterilization: 90°C
- Autoclaving: 121°C 30min up to 20 cycles
- Autoclaving: 130°C 30min up to 50 cycles

Rating

Code	Removal rating
2210	0,22 µ + 0,1 µ
2222	0,22 µ + 0,22 µ
4522	0,45 µ + 0,22 µ
4545	0,45 µ + 0,45 µ
6545	0,65 µ + 0,45 µ

Available sizes

Code	length	
	mm	inch
10	254	10
20	508	20
30	762	30
40	1016	20

Connections

Code	end caps
STC	Sartorius code 28
HTC	222 O-ring/flat (Code 3)
HTF	222 O-ring/fin (Code 8)
HSF	226 O-ring/fin (Code 7)

O-Ring

Code	O-Rings
S	Silicone
E	EPDM