

# Cartridges Filter PES



## Polyethersulfone Cartridges Filter Food & Beverages, Pharma

The line of cartridges PES (polyethersulfone) Dorsan® has been manufactured with hydrophilic and asymmetric filter membranes. Manufactured following all the requirements of the FDA for the food industry.

The membrane of polyethersulfone (PES) has characteristics of a very low protein retention. For this reason, the DPES series is an excellent solution for applications in fermented beverages.

Each cartridge is examined one by one to assure the quality and their integrity. The process is performed with deionized water to ensure the lowest levels of extractables.

Our cartridges allow high flow rates and excellent particles retention capacity.

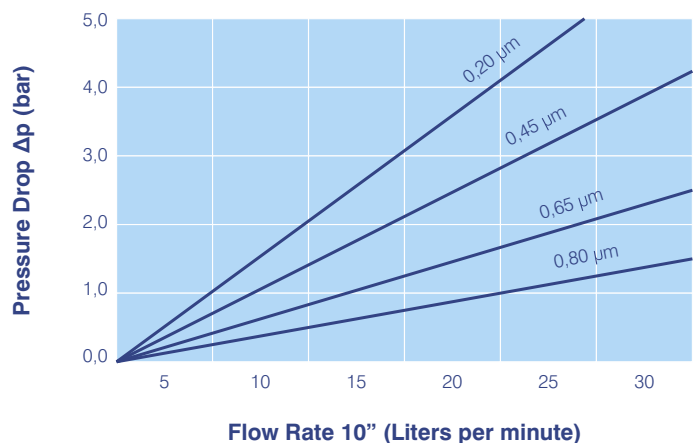
### Features

- Lengths from 10" to 40"
- Range of porosities from 0.2 µm to 0.8 µm
- Stainless Steel ring for stronger resistance to steam sterilization
- Broad range of configurations
- Manufactured without glues or resins

### Applications

- Wines
- Mineral Water
- Beers
- Fruit Juices

Flow vs Δp cartridge 10"



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## Ordering Information

	Pore Size $\mu\text{m}$	D	Lenght''	E	Configurations	O-Rings/Gaskets	Insertions
DPES	0.20	D	10	E	Blank = DOE	B = Buna-N	R = Inox
	0.45	D	20	E	1 = DOE Flat Gasket	S = Silicone	
	0.65	D	30	E	2 = 222 w/Flat Cap	P = Polyfoam Joints	
	0.80	D	40	E	3 = 222 w/Fin	E = EPDM	
				E	6 = 226 w/Flat Cap	V = Viton®	
				E	7 = 226 w/Fin	T = Teflon® encapsulated Viton	
				E	10 = 226 w 3 flange/Fin		

### Sanitization / Sterilization

#### Filtration with water in the same flow as production

at 80° during 30 min

#### Filtration with steam:

121° C during 30 min, multiples cycles

### Maximum conditions of use

#### Temperature:

80 °C

#### Max $\Delta p$ :

3,4 bar at 20 °C

Cartridges made of materials generally recognized as safe (GRAS) and complying with the regulations established by the FDA (Regulation 21CFR186.1673) for use in contact with food.

Health Registration # RSIPAC: 39.05248 / CAT

### Materials of Construction

#### Filter Media:

Asymetric membrane of polyestersulphone (PES)

#### Support filter media,cage, interiors:

Polypropylen

Note. We reserve the right to change these informations without any previous notice.

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