

PSA Series

FILTERING CARTRIDGES
PES MEMBRANE
DIAMETER 2.71" (69 mm)



MAIN APPLICATIONS:

- FINE CHEMICAL
- FOOD & BEVERAGE
- PHARMACEUTICAL
- HEALTH AND CARE
- MICROELECTRONIC
- GENERAL INDUSTRY

CHARACTERISTICS:

- Highly asymmetric polyethersulfone membrane
- Highly hydrophilic filter media
- Available in single or double membrane arrangement
- High flow-rate
- High filtration area
- High dirt holding capacity
- Filtration direction from out to in
- Available with five different end caps type
- Pure polypropylene hardware
- Wide range chemical compatibility
- Resin or glue free construction
- Thermo-weld assembly
- FDA approved material
- Endotoxicity, extractible and oxidizing agent limits
In accordance with USP standard
- Manufactured in clean room
- Packing with antistatic materials
- Traceable lot number
- Integrity test carried out on 100% of production lots
- In line integrity testable
- Absolute filtration rating from 0.1 to 1.2 μm

ASCO FILTRI

ASCO Filtri S.p.A.

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TECHNICAL DATA

MAX. WORKING TEMPERATURE
80 °C @ 4.1 bar

STERILIZATION / SANITIZATION
 - 125 °C for 30' in autoclave without Delta-P
 - 140 °C for 30' in line with steam
Guaranteed 108 cycles of 30' at 121 °C
 - 90 °C with hot water

DIFFERENTIAL PRESSURE

Cartridge replacement:
2.0 bar @ 25 °C

Max. allowable:
Normal flux:
4.1 bar @ 25 °C

Reverse flux:
2.1 bar @ 25 °C

CONSTRUCTION MATERIAL

Filter media:

- Polyethersulfone membrane

Support layers:

- Polypropylene

Hardware:

- Polypropylene

Gaskets:

- Buna-n

- EPDM

- Viton

- Silicone

- FEP

- PTFE (solo DOE)

DIMENSIONS

External diameter:
2.71" (69 mm)

Length:
5", 10", 20", 30", 40"

FILTERING AREA

0.68 m² x 10"

Flow-rate / Delta-P data:

Filtration (µm)	Water
0.10	1.20
0.20	1.50
0.45	2.10
0.65	2.10
0.80	2.20
1.20	2.30

Liquids flow-rate (m³/h) - Initial Delta-P 0.1 bar

Integrity test / diffusion:

(µm)	Test pressure	Diffusion
	[mbar]	cc/min
0.20	2200	30
0.45	1700	20
0.65	900	20
0.80	800	20
1.20	700	20

For 0.1 µm filtration rating and double membrane cartridges contact ASCO Filtri.

Bacteria challenge:

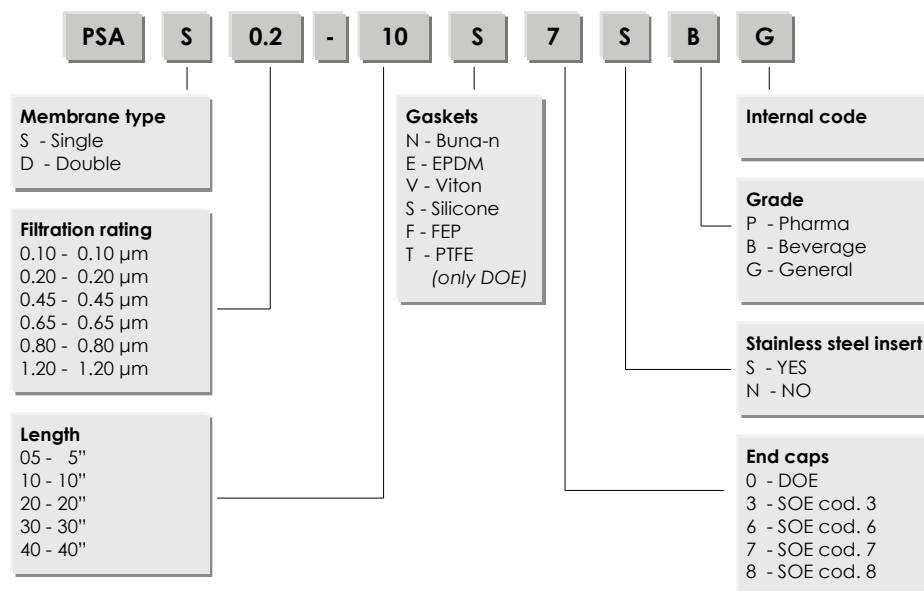
(µm)	Bacteria challenge	
0.20	> 10 ⁷ LRV/cm ²	Brevundimonas diminuita
0.45	> 10 ⁷ LRV/cm ²	Serratia marcescens
0.65	> 10 ⁷ LRV/cm ²	Saccharomyces cerevisiae

According to HIMA / ASTM F838-83

Available grade:

P: Pharma defined by HIMA standard parameters
B: Beverage defined by modified HIMA standard parameters (10⁷ LRV/10" reference microorganism)
G: General defined by an absolute particles retention with β=5000

Ordering information:



We reserve the right to change the data of this specification without notice.

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