

ABSOLUTE CARTRIDGES



MP SERIES PES MEMBRANE CARTRIDGES



SPECIFICATIONS

Diameter

Outside: 2.75 inch (70 mm)

Inside: 1.25 inch (31 mm)

Effective Filtration Area

8.1 sq.ft. (0.75 sq.m)

Materials of Construction

Filter Media: Hydrophilic
polyethersulfone membrane

Media Support: Polypropylene
microfiber

Components: Polypropylene

Sealing: Thermal bonding

Max Operating Temperature (water)

180°F (82°C) @ 10 psid (0.7 bar)

Maximum Differential Pressure

Forward: 60 psi (4.1 bar) @ 70°F (21°C)

Reverse: 30 psi (2.1 bar) @ 70°F (21°C)

Integrity Testing

0.1 µm: ≤ 45 cc/min @ 50 psig (3.4 bar)

0.2 µm: ≤ 19 cc/min @ 30 psig (2.1 bar)

0.45 µm: ≤ 16 cc/min @ 20 psig (1.4 bar)

0.65 µm: ≤ 12 cc/min @ 13 psig (0.9 bar)

APPLICATIONS

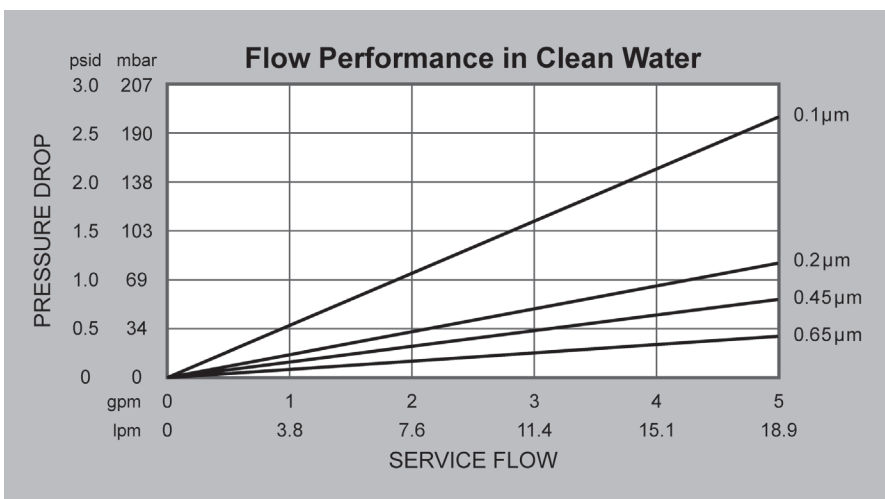
- Beverage, pharmaceutical, and chemical industries
- Ink and dye filtration
- Acids, bases, and oxidants
- Process water
- Serums and tissue culture media

ADVANTAGES

- All materials meet FDA requirements for food contact (21CFR)
- High flow rates/long on-stream life
- Aqueous extracts contain less than 0.25 EU/ml
- Broad chemical & pH compatibility
- Meets USP Class VI-121°C criteria
- Low protein binding
- Integrity tested
- Thermally bonded

Certified Pleated Polyethersulfone (PES) Membrane Cartridges

SWT's MP Series filter cartridges are shipped with Quality Assurance Certificates with a formal efficiency claim of >99.9% at the rated pore size. The polyethersulfone construction ensures excellent chemical compatibility, high loading capacity, and high flow rates. Made in USA.



PART NUMBER MATRIX

SO-MP-PES (MR) (A1) (A2) (NL) (SM)

(MR) Micron Rating

01	0.1 micron
02	0.2 micron
45	0.45 micron
65	0.65 micron

(A1) End Adapter #1

A	Flat end gasket
B	120 internal o-ring
C	213 internal o-ring
E	222 o-ring
F	226 o-ring
J	020 internal o-ring
Q	222 o-ring SS insert
Z	226 o-ring SS insert

(A2) End Adapter #2

A	Flat end gasket
B	120 internal o-ring
C	213 internal o-ring
G	Closed end cap
H	Fin adapter

(NL) Nominal Length

10	10 inch (25.4 cm)
20	20 inch (50.8 cm)
30	30 inch (76.2 cm)
40	40 inch (101.6 cm)

(SM) Seal Material

B	Buna-N
E	EPDM
S	Silicone
T	Teflon Encapsulated (only 222 & 226)
V	Viton

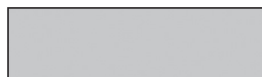
Example: SO-MP-PES02AA30S is a 0.2 micron absolute rated filter cartridge, 30 inch nominal length, double open end (DOE) configuration with silicone seals.

ABSOLUTE CARTRIDGES



MP SERIES PES MEMBRANE CARTRIDGES

End Adapter Equivalent Codes



Without adapters



AA – Standard DOE
Code 1



JG – 020 int. o-ring / Closed end
Code 2 (M2)



EG – 222 o-ring / Closed end
Code 3 (M3)



FG – 226 o-ring / Closed end
Code 6 (M6)



FH – 226 o-ring / Fin adapter
Code 7 (M7)



EH – 222 o-ring / Fin adapter
Code 8 (M8)

Shipping Information

NOMINAL LENGTH		QUANTITY PER CARTON	APPROX. SHIP. WT.	
INCH	CM		LB	KG
10	25	18	15	6.8
20	51	16	24	10.9
30	76	6	13	5.9
40	102	6	17	7.7