

ABSOLUTE 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

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

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

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

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

APPLICATIONS

- Ultrapure semiconductor water
- UPDI water pad
- High purity chemicals
- Point of use applications

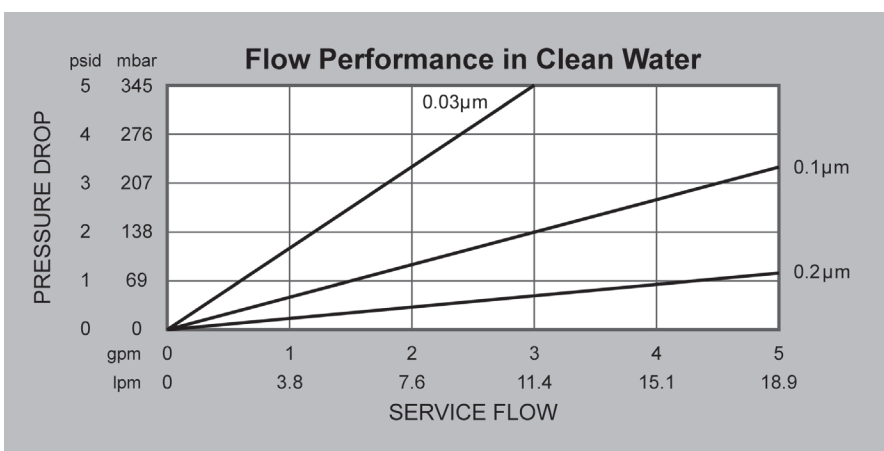
ADVANTAGES

- Pre-rinsed cartridge
- Sterilizable by steam or autoclave
- All materials meet FDA requirements for food contact (21CFR)
- Aqueous extracts contain less than 0.25 EU/ml
- Broad chemical compatibility
- Meets USP24 Class VI-121°C criteria
- Passes MEM Elution Cytotoxicity Test
- The filters rinse to less than 5 ppb TOC and less than 5 ppb trace metals in 25 min at 2.5 gpm per 10 inch module in UPDI water.
- 100% Integrity tested

MPE SERIES PES MEMBRANE CARTRIDGES

Certified Pleated Polyethersulfone (PES) Membrane Cartridges

SWT's MPE Series filter cartridges are shipped with Quality Assurance Certificates with a formal efficiency claim of >99.9% at the rated pore size. They incorporate a modified asymmetric polyethersulfone membrane with polypropylene supports and hardware for enhanced service life and cleanliness in UPDI water and other microelectronics applications. Made in USA.



PART NUMBER MATRIX

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

(MR) Micron Rating

00	0.03 micron
01	0.1 micron
02	0.2 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

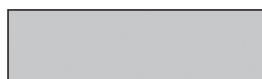
Example: SO-MPE-PES02AA30S is a 0.2 micron absolute rated filter cartridge, 30 inch nominal length, double open end (DOE) configuration with silicone seals.

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MPE SERIES PES MEMBRANE CARTRIDGES

End Adapter Equivalent Codes



Without adapters



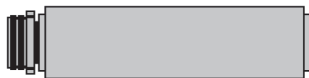
AA – Standard DOE
Code 1



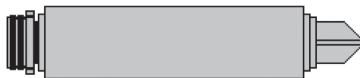
JG – 020 int. o-ring / Closed end
Code 2 (M2)



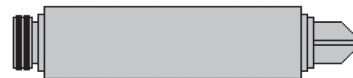
EG – 222 o-ring / Closed end
Code 3 (M3)



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