

ABSOLUTE CARTRIDGES



PM SERIES PP MEMBRANE CARTRIDGES



SPECIFICATIONS

Diameter

Outside: 2.75 inch (70 mm)

Inside: 1.25 inch (31 mm)

Effective Filtration Area

7.2 sq.ft. (0.67 sq.m)

Materials of Construction

Filter Media: Polypropylene membrane

Media Support: Polypropylene microfiber

Components: Polypropylene

Sealing: Thermal bonding

Max Operating Temperature (water)

140°F (60°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)

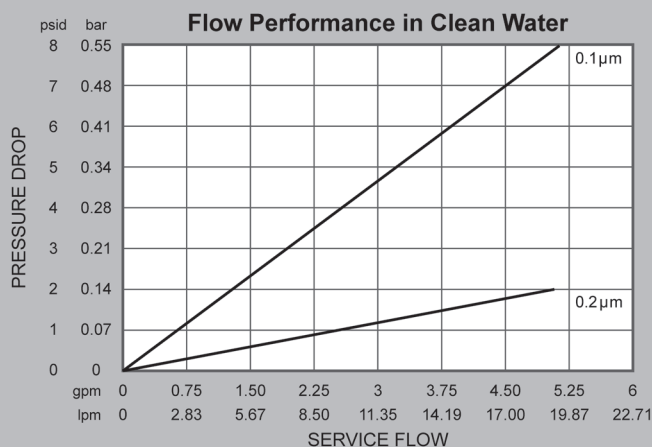
Integrity Testing

0.1 µm: ≤ 5 cc/min @ 40 psig (2.76 bar)

0.2 µm: ≤ 5 cc/min @ 30 psig (2.07 bar)

Pleated Polypropylene (PP) Membrane Cartridges

SWT's PM Series filter cartridges purify high-purity solvents and chemicals for semiconductor and microelectronics applications. The 100% PP construction offers low extractables, long service life, and broad chemical compatibility. They are an economical alternative to PTFE membrane filters. Made in USA.



PART NUMBER MATRIX

SO-PM-PP (MR) (A1) (A2) (NL) (SM)

(MR) Micron Rating

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-PM-PP02AA30S is a 0.2 micron absolute rated filter cartridge, 30 inch nominal length, double open end (DOE) configuration with silicone seals.

APPLICATIONS

- Etchants, photoresists, developers
- Ultrapure chemicals
- Solvents, acids, and bases
- Vent and process air

ADVANTAGES

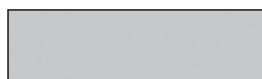
- All materials meet FDA requirements for food contact (21CFR)
- Long service life
- Aqueous extracts contain less than 0.25 EU/ml
- Broad chemical compatibility
- Meets USP Class VI-121°C criteria
- Economical solution to PTFE
- Integrity testable
- Thermally bonded
- Sterilizable by steam or autoclave
- Low levels of non-volatile residues

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End Adapter Equivalent Codes



Without adapters



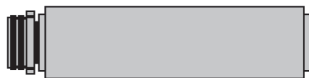
AA – Standard DOE
Code 1



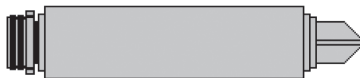
JG – 020 int. o-ring / Closed end
Code 2 (M2)



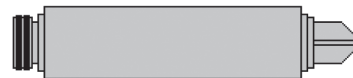
EG – 222 o-ring / Closed end
Code 3 (M3)



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