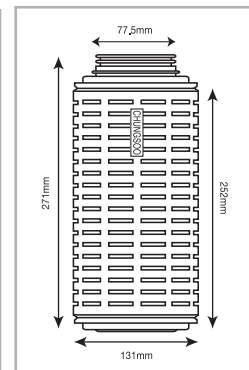


MAXFLOW™

DESCRIPTION

MAXFLOW™ pleated cartridges made by media of TECHFLOW™ and designed for high flow rate applications.

- It can be used low operating maintenance filtration.
- Enlarge filter area.
- Optimized cartridge design
- Two styles & wide range of configurations
- A controlled environment under clean room condition(class 10,000)
- A guarantee of quality (ISO 9001, 14001 certified)



Applications

PTFE Membrane media

- Concentrated acids and bases
- Etchants
- Sterile tank venting
- Rinses and solvents
- Photo resists
- Fermentation air application
- Solvent filtration
- Bulk chemicals
- Sterile process gases

PES Membrane media

- Drugs and Biological
- Final filtration of pure water for dialysis
- LVPs, SVPs
- Tissue culture media
- Beverage industry
- Ink and dyes
- Final filtration of water for injection
- Diagnostics

Polypropylene media

- Floppy and rigid disc coatings
- Paper coatings
- Reagent grade chemicals
- Chemicals for photographic film manufacturing
- Metal etching solutions
- Solvent filtration
- Computer tape coatings
- Serum and biological
- Electroplating solutions

Specification

Dimension	Length (mm)	271
	Inner diameter (mm)	52
	Outer diameter (mm)	131
	Effective area (m ²)	PP: 1.63~1.89, PES: 2.1, PTFE: 2.1 (10 inch cartridge)
Material	Main media	Melt-blown PP, PES Membrane, PTFE Membrane
	Support mesh	Polypropylene
	Core & Out cage	Polypropylene
	Seal materials	Silicone / EPR / Viton / FEP encapsulated
Operating Conditions	Max Temperature (°C)	75
	Max ΔP (Kgf/cm ²)	2.1

Bubble point

10 inch PES membrane cartridge

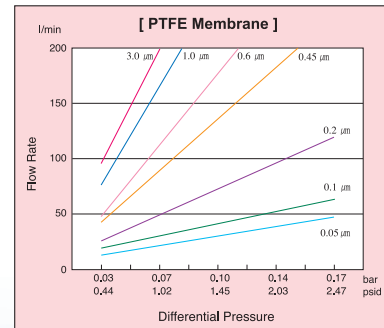
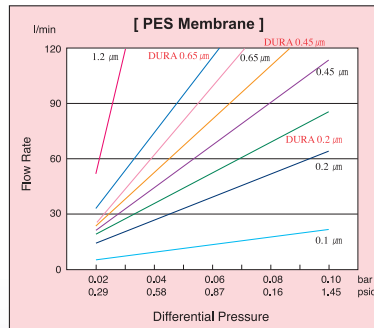
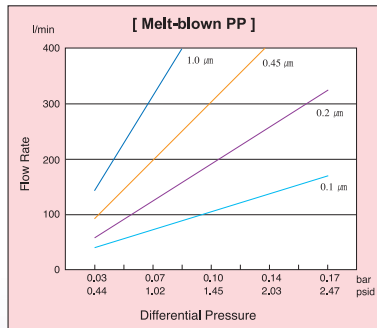
Pore size (μm)		0.04	0.1	0.2	0.45	0.65	0.8	1.2
Bar	Mean	2.80	2.06	4.3	3.0	1.9	1.45	1.05
	Range (±)	0.45	0.21	0.54	0.25	0.42	0.25	0.25
Psi	Mean	40.6	29.9	62.4	43.5	27.6	21.0	15.2
	Range (±)	6.5	3.0	7.8	3.6	6.1	3.6	3.6
Measured		In IPA			In Water			
Retention of bacteria (log_red_value)				7	7	7		

※ bacteria : brevundimonas diminuta, Serratia marcescens, Sacch cerevisiae

10 inch PTFE membrane cartridge

Pore size (μm)		0.05	0.1	0.2	0.45	0.6	1.0	3.0	10
B.P	Mean	>35	>25	>20	>10	>8	>6.5	>6	>1.5
	Range(±)	>2.4	>1.7	>1.4	>0.7	>0.5	>0.45	>0.4	>0.1
Measured		In IPA					In Water		

Water flow rate



Part number identification



①	②	③	④	⑤	⑥	⑦
End style	Media	Materials of Parts	Materials of Seal	Length of filter	Grade	Micron rating
E : 222 / Flat	P : PP S : PES Membrane T : PTFE Membrane	1 : Regular PP (85℃)	S : Silicone E : EPR V : Viton F : FEP encapsulated	1 : 250 mm	A : Absolute N : Nominal G : Standard PES D : Dura PES	0.1 0.2 0.45 0.6 1 3 5 10

※ Micron Rating

[PP] A0.6, A0.8, A1.2, N0.1, N0.2, N0.45, N0.6, N1, N5, N10, N20, N40
 [PES] 0.04, 0.1, 0.2, 0.45, 0.6, 0.8, 1.2, (Dura : 0.2, 0.45, 0.6)
 [PTFE] 0.1, 0.2, 0.45, 0.6, 1.0, 3.0, 10