

PMW Series

FILTERING CARTRIDGES
PLEATED HIGH-FLOW
OD 5.8" (148 mm)

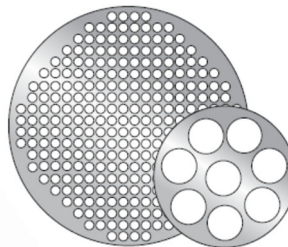


MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICALS
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- STEEL MILL
- GENERAL INDUSTRY

FEATURES:

- Large diameter to permit high flow-rate
- High filtration area
- High dirt holding capacity
- Friendly maintenance
- Fewer elements change-out
- Smaller filter housing
- Resistant to contaminant unloading even at high Delta-P
- Filtration direction from outside to inside
- Three different filter media available
- Pure polypropylene hardware
- Wide range chemical compatibility
- Suitable for both liquid and gas filtration
- Fusion bonding assembly
- Double O-ring sealing
- Absolute filtration rating from 0.6 to 80 µm



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PLEATED HIGH-FLOW
OD 5.8" (148 mm)**

TECHNICAL DATA

**WORKING TEMPERATURE
80 °C**

DIFFERENTIAL PRESSURE

**Cartridges replacement:
1.0 bar @ 25 °C**

**Max. allowable:
3.0 bar @ 20 °C**

CONSTRUCTION MATERIAL

Filter media:

- Polypropylene
- Fibreglass
- Polyester

Hardware:

- 100% Polypropylene

Gaskets:

- Buna-n
- EPDM
- Viton
- Silicone

DIMENSIONS

**External diameter:
5.8" (148 mm)**

Length:

- 23"
- 40"
- 60"
- 80"

FILTERING AREA

- 23" 1.70 m²
- 40" 3.00 m²
- 60" 4.50 m²
- 80" 6.00 m²

Flow-rate / Delta-P data:

Length	Liquids (1 cP) - Recommended flow-rate - Polypropylene							
	0.6 µm	1 µm	3 µm	5 µm	10 µm	25 µm	50 µm	80 µm
23"	9	15	20	25	28	28	35	35
40"	15	30	35	45	50	50	50	50

Length	Liquids (1 cP) - Recommended flow-rate - Fibreglass						
	0.6 µm	1 µm	3 µm	5 µm	10 µm	25 µm	50 µm
23"	10	21	24	28	28	35	35
40"	18	36	42	50	50	50	50

Length	Air (0.018 cP) - Recommended flow-rate - PP / Fibreglass						
	0.6 µm	1 µm	3 µm	5 µm	10 µm	25 µm	50 µm
23"	180	180	180	190	195	215	215
40"	300	313	313	320	335	370	370

Liquids flow-rate (m³/h) - Clean Delta-P 0.15 bar.

Air flow (Am³/h) - Clean Delta-P 0.1 bar.

For fluids other than water multiply pressure drop by fluid viscosity in cP.

For gas different than air: DP = 0.1 x gas viscosity (cP) / 0.018 cP (air).

Flow-rate valid for clean water and air, reduce the flow-rate according to the application.

Filtration efficiency / Filtration rating availability:

(µm)	Efficiency				Availability		
	Liquids		Gas		Filter media		
	99.98%	90%	99.98%	90%	P	G	E
0.6	0.6 µm	0.25 µm	0.2 µm	< 0.1 µm	X	X	
1	1 µm	0.45 µm	0.3 µm	0.15 µm	X	X	
3	3 µm	0.80 µm	1 µm	0.5 µm	X	X	X
5	5 µm	2.0 µm	2 µm	0.8 µm	X	X	X
10	10 µm	4.5 µm	3 µm	1 µm	X	X	X
25	25 µm	10 µm	5 µm	3 µm	X	X	X
50	50 µm	25 µm	10 µm	5 µm	X		X
80	80 µm	60 µm	20 µm	10 µm	X		X

Filtration efficiency of liquids defined with Multipass ISO 4572 test.

Contact us for any further information.

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

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