

MemKway Max Series High Flow Filter Cartridge

MemKway Max series pleated high flow filter cartridges are professionally engineered as cost-effective drop-in replacements for Parker Fulflo MaxGuard cartridges, providing optimized high-flow particle removal solutions for industrial clarification and pre-filtration.

Featured with 152mm (6 inch) large diameter, single open-ended structure and outside-in flow direction, it maximizes filtration area to extend service life. With a maximum flow rate of 90 gpm (340 lpm), it effectively cuts cartridge consumption and minimizes required housing space. Made of full polypropylene material, it boasts superior chemical compatibility and stable filtration efficiency to reduce downstream operating pressure.

These filter cartridges are offered in pleated polypropylene and cellulose media. All units adopt industry standard 226 positive O-ring seal for reliable tight connection and leak-free operation, which are widely applicable for raw water, cooling water, RO pre-filtration, oilfield and diverse industrial filtration fields. Fully interchangeable, high-performance and budget-friendly.

Features and Benefits

- **1:1 Compatibility:** Guaranteed to fit perfectly into existing high-flow filter housings without any modifications.
- **High Flow Capacity Design:** The optimized pleated structure, high surface area and high flow capacity extend service life, reduce change-outs and maintain stable filtration.
- **Cost-Efficient Excellence:** The replacement filter achieves the same (or better) filtration efficiency as the original ones while reducing your overall operational and maintenance costs.
- **Simplified Maintenance:** Featuring an ergonomic handle design, MemKway equivalent allows for rapid installation and tool-free replacement, minimizing system downtime.
- **Safe for Critical Applications:** Constructed using thermally bonded polypropylene, ensuring zero fiber migration and excellent chemical compatibility across various fluids.



Applications

- ▶ Oilfield produced water & injection water filtration
- ▶ Industrial & municipal water treatment
- ▶ RO system pre-filtration
- ▶ Chemical process liquid filtration
- ▶ Food and beverage liquid purification

Specifications

Materials of Construction

- Filter Media: Polypropylene/Cellulose
- Support/Drainage: Polypropylene
- End caps: Polypropylene
- O-ring: Buna-N Standard / Silicone, EPDM and Viton Optional

Filtration Ratings (Absolute)

Polypropylene Media: 0.5 µm, 2 µm, 5 µm, 10 µm, 20 µm, 40 µm, 70 µm

Cellulose Media: 2 µm, 10 µm, 15 µm, 70 µm

Dimensions

- Length: Available in 30"/750 mm and 40"/1016 mm
- Outer Diameter: 6"/152 mm
- Internal Diameter: 2"/51 mm

Operating Conditions

Maximum Operating Temperature	176° F (80°C)
Maximum Forward Differential Pressure	70 psid @77°F (4.8 bar @25°C) 30 psid @176°F (2.1 bar @80°C)
Recommended Change-out Differential Pressure	35 psid @68°F (2.4 bar @20°C)
Maximum Water Flow Rate	90 gpm (340 lpm) per 40" element

Clean Pressure Drop On Flow Rate

Absolute Rating (μm)	Filter Media	Removal Rating Efficiency (μm)				Flow Factor psid /gpm
		99.90%	99%	98%	95%	
0.5	Polypropylene	0.4	0.2	<0.2	<0.1	0.01086
2		1.4	0.4	0.2	<0.1	0.00950
5		3.8	1.2	0.3	<0.1	0.00619
10		7	3	0.9	<0.2	0.00218
20		18	5	2	<0.2	0.00051
40		23	18	8	<0.7	0.00023
70		50	30	20	10	0.00011
2	Cellulose	1.6	0.4	0.2	<0.1	0.00170
10		6	1.4	0.5	<0.2	0.00110
15		11	3	1.5	<0.6	0.00012
70		53	8.5	3	<0.5	0.00007

Ordering Information

Code	Media Material	Absolute Micron Rating	Length	O-ring Material
MK-MXG	P	005	40	N
MemKway equivalent code	P=Polypropylene C=Cellulose	005=0.5 μm 020=2 μm 050=5 μm 100=10 μm 200=20 μm 400=40 μm 700=70 μm	30=30" 40=40"	E=EPDM N=Buna-N S=Silicone V=Viton