

## MICROPAK™ WF Series Filter Elements

### Coreless Filter Elements with Highly Asymmetric Polysulfone Media

- Proprietary Filter System for use with Reusable Micropak Cores
- Environmentally Friendly, Waste Reducing Design
- Absolute Rated at >99.9% Efficiency With Retention Ratings from 0.05 to 1.2 microns (µm)
- Superior Flow Rates And Long Service Life
- Pressure Energized Gasket-to-Core Sealing System

### Performance Specifications

#### Filter Grades (>99.9% Retention Rating by Standard Latex Bead Challenge):

0.05, 0.1, 0.2, 0.45, 0.65, 0.8, 1.2 micron (µm)

**Recommended Change Out Differential Pressure<sup>1</sup>:**  
35 psid (2.4 bard)

#### Maximum Operating Temperature:

Polypropylene end caps and cage 180°F (82°C)

#### Sanitizing Agents:

Suitable for use with most commonly used sanitizing agents. Consult factory for compatibility information.

#### FDA Listed Materials:

All materials are FDA listed for food contact applications per Title 21 of the U.S. **Code of Federal Regulations**.

#### Toxicity:

All components meet the specifications for biological safety as per the **USP** for Class VI-50°C plastics (gaskets excluded).

#### Rinse-Up:

Cartridge will rinse-up to 18 Megohm-cm with a minimum of throughput.

### Product Specifications

#### Materials of Construction:

Filter Media:	Highly Asymmetric Polysulfone Membrane
Hardware:	Polypropylene
Support Material:	Polypropylene
Sealing:	Thermal Bond
Gaskets:	Silicone Elastomer, Buna N, EPDM, Viton <sup>2</sup> A

#### Dimensions (nominal):

Outside Diameter:	2 3/8" (6.6 cm)
Lengths :	9 3/4" (24.8 cm), 10" (25.4 cm), 19 1/2" (49.5 cm), 20" (50.8 cm), 29 1/4" (74.3 cm), 30" (76.2 cm), 39 1/2" (100.3 cm), 40" (102 cm)



<sup>1</sup> - Provided that the maximum differential pressure is not exceeded based on temperature limits defined above.

<sup>2</sup> - Registered trademark of DuPont Dow Elastomers.

## Liquid Retention Ratings ( $\mu\text{m}$ ) and Flow Specifications

Element Designation	Absolute (>99.9% Efficiency)	DI Water Flow per 1 psid (gpm per 10" (25.4 cm) equivalent)
MPWF 050	0.05	1.3 (4.9 lpm)
MPWF 100	0.1	1.7 (6.4 lpm)
MPWF 200	0.2	3.0 (11.4 lpm)
MPWF 450	0.45	5.5 (20.8 lpm)
MPWF 650	0.65	6.0 (22.7 lpm)
MPWF 800	0.8	7.0 (26.5 lpm)
MPWF 1200	1.2	8.0 (30.3 lpm)

## Part Numbers/Ordering Information

MPWF ■ - ● ◆ - ▼ (e.g., MPWF200-10E-FIN)

Code ■	Filter Grades	Code ●	Element Lengths (nominal)
050	0.05 $\mu\text{m}$	9.75	9.75"
100	0.1 $\mu\text{m}$	10	10"
200	0.2 $\mu\text{m}$	19.5	19.5"
450	0.45 $\mu\text{m}$	20	20"
650	0.65 $\mu\text{m}$	29.25	29.25"
800	0.8 $\mu\text{m}$	30	30"
1200	1.2 $\mu\text{m}$	39.5	39.5"
		40	40"

Code ◆	Gasket Materials
S	Silicone
E	EPDM
N	Buna N
V	Viton A

Code ▼	End Cap Materials
Blank	Flat Blind End Cap
Fin	Spear End Cap



2200 Northern Boulevard.  
East Hills, New York 11548-1289

1.800.FILTERS toll free  
516.484.5400 phone  
516.484.3216 fax  
www.pall.com web

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