



WATER-FINE™ Series Filter Cartridges

DI and High Purity Water Filter

- Proprietary Highly Asymmetric Polysulfone Membrane Media
- Absolute Rated at >99.9% Efficiency with Retention Ratings from 0.05 to 1.2 µm
- Superior Flow Rates and Long Service Life
- High Purity Polypropylene Hardware
- End Configurations to Fit Most Housings

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 µm

Maximum Differential Pressure:

70 psid (4.8 bard) @ 120°F (49°C)

50 psid (3.4 bard) @ 180°F (82°C)

Recommended Change Out Differential Pressure¹:

35 psid (2.4 bard)

FDA Listed Materials:

Manufactured from materials, which are FDA listed for food contact applications in Title 21 of the U.S. **Code of Federal Regulations**.

Sanitizing Agents:

Cartridge may be sanitized in place with common oxidizing agents. Consult factory for compatibility information.

Rinse-Up:

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

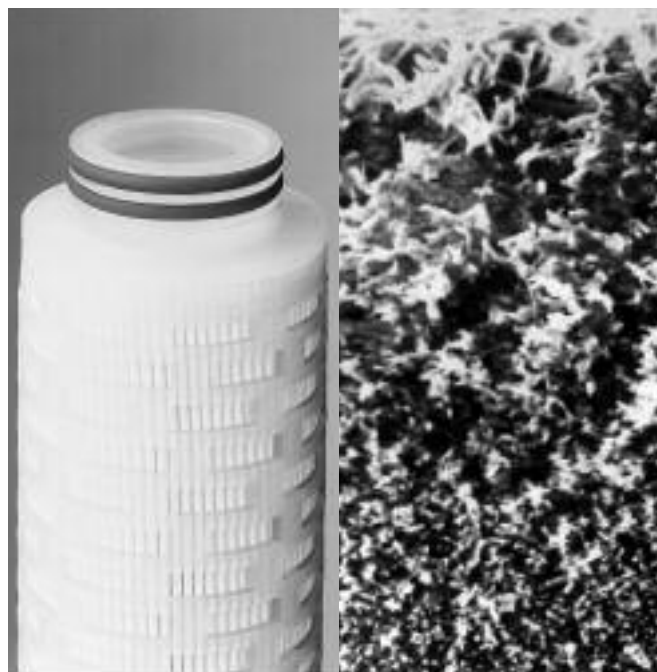
Pre-Rinsing:

A pre-rinse is available upon request. Specify code 314 at end of Water-Fine description.

Product Specifications

Materials of Construction:

Filter Media:	Highly Asymmetric Polysulfone Membrane
Support Material:	Polypropylene
Hardware:	Polypropylene
Surface Treatment:	Hydroxypropylcellulose
Sealing:	Thermal Bond
Gaskets/O-rings:	Silicone Elastomer, EPDM, Buna N, Viton ² A, FEP Encapsulated Silicone



Dimensions (nominal):

Outside Diameter: 2 3/8" (6.6 cm)

Lengths: 4" (10.2 cm), 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" (99.1 cm), 40" (102 cm)

Surface Area: 6.1 ft² (0.57 m²) per 10" (25.4 cm) equivalent

Product Applications

- Pre and Post Filter for DI Water
- Point-of-Use Filter for DI Water
- Filtration of Aqueous Chemical Solutions

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

² - Registered trademark of DuPont Dow.

Liquid Flow Specifications

Filter Grade (µm)	DI Water Flow per 1 psid (gpm/10" (25.4 cm) equivalent)
0.05	1.0 (3.8 lpm)
0.1	1.7 (6.4 lpm)
0.2	3.0 (11.4 lpm)
0.45	5.5 (20.8 lpm)
0.65	6.0 (22.7 lpm)
0.8	7.0 (26.5 lpm)
1.2	8.0 (30.3 lpm)

Part Numbers/Ordering Information

WFN ■ - ● U ◆ - ▼ ■ (e.g., WFN0.2-10US-M3 314)

Code ■	Filter Grades	Code ●	Cartridge Lengths (nominal)	Code ▼	End Configurations
0.05	0.05 µm	4	4"	Blank	DOE with elastomer gasket seals & end caps
0.1	0.1 µm	9.75	9.75"	1X	DOE, 1" (2.54 cm) extended core
0.2	0.2 µm	10	10"	M2	SOE flat closed end fits housing with 020 O-ring post
0.45	0.45 µm	19.5	19.5"	M3	SOE flat closed end, external 222 O-rings (retrofits other manufacturers' Code 0) ³
0.65	0.65 µm	20	20"	M5	DOE, internal 120 O-rings (retrofits 213 O-ring style) ³
0.8	0.8 µm	29.25	29.25"	M6	SOE flat closed end, external 226 O-rings (retrofits other manufacturers' Code 6) ³
1.2	1.2 µm	30	30"	M7	SOE fin end, external 226 O-rings (retrofits other manufacturers' Code 7) ³
		39	39"	M8	SOE fin end, external 222 O-rings (retrofits other manufacturers' Code 5) ³
		40	40"	M10	DOE, internal O-rings (fits other manufacturers' housings) ³
				M11	SOE flat closed end, internal 120 O-ring (retrofits other manufacturers' X-style) ³
				M20	SOE, internal O-ring (same as M10), closed end with deep recess
Code ◆	Gasket/O-ring Materials			Code ■	Pre-Rinse Option
S	Silicone (standard O-rings)			Blank	No Pre-Rinse
E	EPDM			314	Pre-Rinse
V	Viton A				
N	Buna N (standard gaskets)				
T	FEP Encapsulated Silicone				
X	No O-ring required (M2 only)				

³ - For details, contact Pall Corporation.



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