

## Water-Fine Series Filter Cartridges

### DI and High Purity Water Filter

- Proprietary highly asymmetric polysulfone membrane media
- High purity polypropylene hardware
- Superior flow rates
- Long service life
- End configurations to fit most housings

### Performance Specifications

#### Filter grades

0.05, 0.1, 0.2, 0.45, 0.65, 0.8, 1.2  $\mu\text{m}$

#### Maximum differential pressure

5.5 bard (80 psid) @ 20°C (68°F)

1.4 bard (20 psid) @ 95°C (203°F)

#### Recommended change-out differential pressure<sup>1</sup>

35 psid (2.4 bard)

#### Food and water contact use

Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

#### Sanitizing agents

Cartridge may be sanitized in place with common oxidizing agents. Consult Pall 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 the end of part number. See page 2.

### 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, nitrile, fluorocarbon elastomer, FEP encapsulated silicone



#### Dimensions (nominal)

Outside diameter: 6.6 cm (2.6 in)

Lengths: 10.2 cm (4 in), 24.8 cm (9.75 in),  
25.4 cm (10 in), 49.5 cm (19.5 in),  
50.8 cm (20 in), 74.3 cm (29.25 in),  
76.2 cm (30 in), 99.1 cm (39 in),  
102 cm (40 in)

### Product Applications

- Pre and post filter for DI water
- Point-of-use filter for DI water
- Filtration of aqueous chemical solutions

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

## Liquid Flow Specifications

Filter grade (µm)	DI water flow (25.4 cm/10 in equivalent)	
	lpm/mbard	gpm/psid
0.05	0.05	1.0
0.1	0.09	1.7
0.2	0.16	3.0
0.45	0.30	5.5
0.65	0.33	6.0
0.8	0.38	7.0
1.2	0.44	8.0

## Ordering Information

Pall Part Number = WFN 1 - 2 U 3 - 4 5

**Table 1**

Code	Filter grades (µm)
0.05	0.05
0.1	0.1
0.2	0.2
0.45	0.45
0.65	0.65
0.8	0.8
1.2	1.2

**Table 2**

Code	Cartridge lengths (nominal) cm/in
4	10.2/4
9.75	24.8/9.75
10	25.4/10
19.5	49.5/19.5
20	50.8/20
29.25	74.3/29.25
30	76.2/30
39	99.1/39
40	102/40

**Table 3**

Code	Gasket/O-ring materials
S	Silicone (standard O-rings)
E	EPDM
V	Fluorocarbon elastomer
N	Nitrile (standard gaskets)
T	FEP encapsulated silicone
X	No O-ring required (M2 only)

**Table 4**

Code	End configurations
Blank	DOE with elastomer gasket seals & end caps
1X	DOE, 2.54 cm (1 inch) extended core
M2	SOE flat closed end fits housing with 020 O-ring post
M3	SOE flat closed end, external 222 O-rings (retrofits other manufacturers' Code 0) <sup>2</sup>
M5	DOE, internal 120 O-rings (retrofits 213 O-ring style) <sup>2</sup>
M6	SOE flat closed end, external 226 O-rings (retrofits other manufacturers' Code 6) <sup>2</sup>
M7	SOE fin end, external 226 O-rings (retrofits other manufacturers' Code 7) <sup>2</sup>
M8	SOE fin end, external 222 O-rings (retrofits other manufacturers' Code 5) <sup>2</sup>
M10	DOE, internal O-rings (fits other manufacturers' housings) <sup>2</sup>
M11	SOE flat closed end, internal 120 O-ring (retrofits other manufacturers' X-style) <sup>2</sup>
M20	SOE, internal O-ring (same as M10), closed end with deep recess

**Table 5**

Code	Pre-rinse options
Blank	No pre-rinse
314	Pre-rinse

<sup>2</sup> For details, contact Pall Corporation.



25 Harbor Park Drive  
Port Washington, NY 11050  
+1 516 484 3600 telephone  
+1 800 289 7255 toll free US

### Visit us on the Web at [www.pall.com](http://www.pall.com)

Pall Corporation has offices and plants throughout the world. For Pall representatives in your area, please go to [www.pall.com/contact](http://www.pall.com/contact).

Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your Pall representative or visit [www.pall.com](http://www.pall.com) to verify that this information remains valid.

© Copyright 2011, Pall Corporation. Pall and  are trademarks of Pall Corporation. ® indicates a trademark registered in the USA. **Filtration. Separation. Solution.** and **ENABLING A GREENER FUTURE** are service marks of Pall Corporation.