

# **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 µm

#### 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

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

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

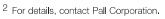
Code	Gasket/O-ring materials	
S	Silicone (standard O-rings)	
Е	EPDM	
V	Fluorocarbon elastomer	
N	Nitrile (standard gaskets)	
Т	FEP encapsulated silicone	
Χ	No O-ring required (M2 only)	

#### 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







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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.

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