

## WN Series Pleated Polysulfone Membrane Filter Cartridge



- Composed of pleated highly asymmetric polysulfone membrane over a non-woven polypropylene support layer
- For high flow rates and low pressure drops, absolute rated filters are designed for postfiltration in high purity water applications
- High-purity construction materials are factory rinsed with DI water for quick on-stream rinse up with a minimum of throughput
- Meets criteria for USP Class VI Biological tests for plastics, ensuring that no surfactants or coatings interfere with the application
- 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

### SPECIFICATIONS

#### Dimensions

Diameter (OD)	2.6" (6.6 cm)
Length (in)	9.75, 10, 20, 30, 40

#### Materials

Cartridge	Polypropylene caps, core and cage
Media	Single layer asymmetric hydrophilic polysulfone
Seals	Silicone o-rings and gaskets

#### Operating Parameters

Maximum Temperature	180°F (82°C) @ 50 psid (3.4 bard)
Maximum Differential Pressure @ 20°C	80 psi (5.5 bar)
Filtration Efficiency	Absolute (> 99.9% Retention Rating by Latex Bead Challenge)

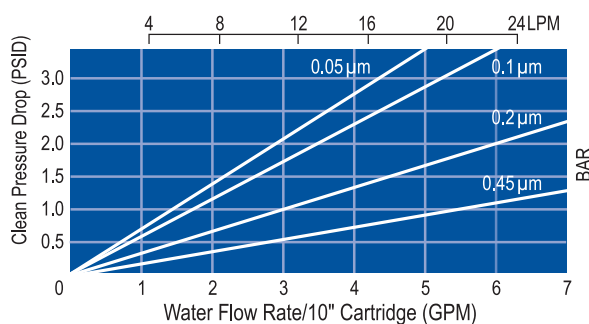
#### Recommended Water Flow Rates

0.05 micron	1.3 gpm/10" length (4.9 lpm/10" length)
0.1 micron	1.7 gpm/10" length (6.4 lpm/10" length)
0.2 micron	3.0 gpm/10" length (11.3 lpm/10" length)
0.45 micron	5.5 gpm/10" length (20.8 lpm/10" length)

#### Sanitizing Agents

	5% Chlorine, 3% hydrogen peroxide
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FLOW RATE vs. INITIAL CLEAN PRESSURE DROP



### ORDERING INFORMATION

#### Catalog Number and Description

FCWN	Filter cartridge single layer polysulfone
X	Cartridge Code: <b>0</b> = 2-222 o-rings <b>5</b> = 2-222 o-rings w/spear <b>1</b> = single open end w/ internal o-ring <b>7</b> = 2-226 o-rings w/locking tabs/spear end <b>F</b> = double open end w/flat gasket seal
XX	Length (in): <b>09</b> = 9.75, <b>10</b> = 10, <b>20</b> = 20, <b>30</b> = 30, <b>40</b> = 40
XX(X)	Micron Rating: <b>S05</b> = 0.05 µm, <b>S1</b> = 0.1 µm, <b>S2</b> = 0.2 µm, <b>S4</b> = 0.45 µm

To determine your catalog order number, replace the X with one of the numbered or lettered options beside it.  
Note: Not all part number combinations are available; consult Technical Support for assistance.

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