

# Clariflow®-WG Filter Cartridge

Water service grade hydrophilic polyethersulfone (PES) membrane for cost-effective purification

Clariflow® Water Service Grade cartridges are cost-effective alternatives to Clariflow E and G Grade cartridges for the filtration of aqueous liquids.

The Water Service cartridge is built around a unique polyethersulfone (PES) membrane that is inherently hydrophilic, and contains no added surfactants or wetting agents. It delivers clean filtrates, flow rates, extended service life and excellent resistance to hydrolysis.

Clariflow-WG cartridges are fabricated under cleanroom conditions.



## Contact Information

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## Benefits

- Absolute rated membrane
- Reliable and cost-effective
- Broad chemical compatibility allows use in aqueous applications
- Resistance to hydrolysis allows extended use in UPW systems
- High flow rate/low differential pressure reduces system wear and tear

## Applications

- Deionized water filtration
- Liquid clarification
- Recirculating liquids
- Bottled water
- Process water



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## SPECIFICATIONS

### Materials of Construction

Membrane	Polyethersulfone
Support layers	Polypropylene
Structure	Polypropylene

All components meet USP-XXIV Class VI-121°C criteria and are thermally bonded to assure integrity and purity.

### Maximum Differential Pressure:

Forward

80 psid (5.5 bar) @ 75°F (24°C)

40 psid (2.8 bar) @ 180°F (82°C)

Reverse

50 psid (3.4 bar) @ 75°F (24°C)

### Effective Filtration Area:

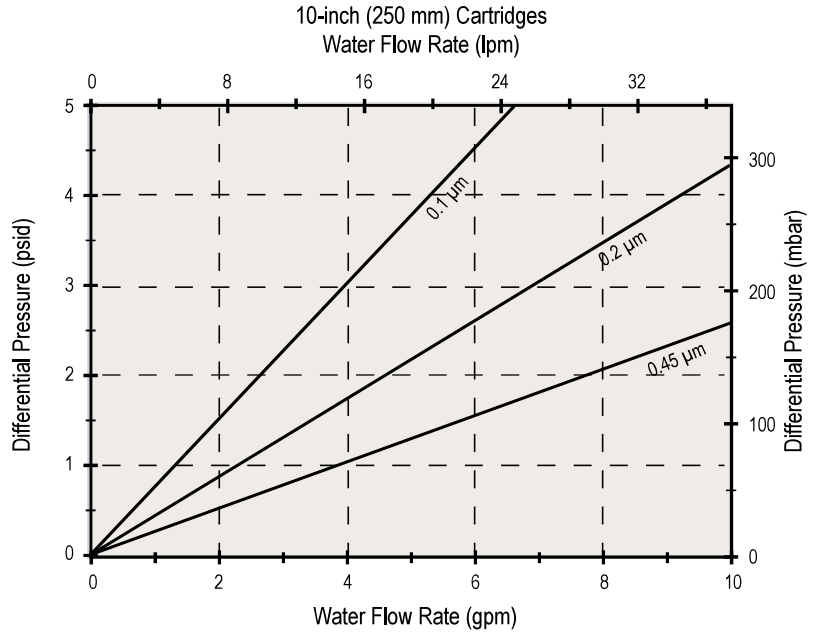
5.4 ft<sup>2</sup> (0.50 m<sup>2</sup>) per 10 inch (250 mm) cartridge

## Performance Attributes

### Water flow rates, Typical\*

Micron	gpm/psid	lpm/100mbar
0.1	1.3	7.14
0.5	2.6	14.27
0.45	3.8	20.86

\* Per 10-inch (250mm) cartridge equivalent & for fluids with viscosity of 1cP.



## Ordering Information

Each cartridge is identified with a product number, pore size and lot number for traceability.

**25** -  **0**    -    -   -   -  **-WG**

Insert Style		End Fittings		Nominal Length			Filter Rating		Gasket   O-Rings		Gasket Only				
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	INCHES	mm	CODE	MICRON	CODE	MATERIAL	CODE	THICKNESS			
												INCHES	mm		
1	No Insert (Std.)	0	DOE (Cuno®)	10	10"	250	924	0.04	0	Buna-N	1	0.200"	5		
5	Encapsulated 316 SS insert	1	DOE	20	20"	500	001	0.1	1	EPDM	2	0.125"	3		
6	Encapsulated polysulfone insert	2	226   Flat	30	30"	750	002	0.2	2	Silicone	4	(1) 0.200"	5		
A	1/2" shortened filter (222 only)	3	222   Flat	40	40"	1000	004	0.45	4	Viton®	4	(1) 0.125"	3		
		6	020   Internal   Flat	All cartridges are 2.75 inch (690mm) in diameter.			006	0.65	5*	FEP Encapsulated Viton®	N	No Gasket			
		7	226   Fin						008	0.8	6*	FEP Encapsulated Silicone			
		8	222   Fin								N	None			
		G	120   Internal   Recessed End cap								*O-Rings only				
		H	213   Recessed End cap (Ametek)												
		R	222   Recessed End cap												

Specifications are subject to change without notification.  
For User Responsibility Statement, see [www.parker.com/safety](http://www.parker.com/safety)  
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