

Clariflow®-WE

Economical hydrophilic PES membrane cartridges for aqueous applications

Clariflow®-WE cartridges provide an economical way to filter fluids used in microelectronics such as DI water and aqueous-based chemicals. Constructed of the same high-quality materials as Clariflow®-E or E-SELECT, these cartridges are suited to less demanding applications with respect to flow and lifetime.

The combination of hydrophilic PES membrane and a high-purity, all-polypropylene support structure results in a very low level of ionic and organic extractables, broad chemical compatibility, and resistance to particle shedding.

Every cartridge is fabricated in a clean room environment, pre-flushed with 18 megohm-cm ultrapure DI water, and 100% integrity tested in an ISO-certified facility.



Contact Information

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Benefits

- Economical filtration
- High-retention hydrophilic membrane
- Broad chemical compatibility for multiple applications
- 100% integrity tested

Applications

- BOE
- Dilute HF
- POU DI rinse
- Bulk DI water systems
- Copper plating
- Ni plating
- Hard disk wash processes
- Other dilute acids and bases



ENGINEERING YOUR SUCCESS.

Clariflow®-WE

SPECIFICATIONS

Materials of Construction

Membrane: Polyethersulfone
 Support layers: Polypropylene
 Structure: Polypropylene
 All components are thermally bonded to ensure integrity and minimize extractables.

Effective Filtration Area

5.4ft²(0.50m²) per 10" (250mm) cartridge

Maximum Differential Pressure/Temperature

Forward: 80psid (5.5bar) @ 75°F (24°C)
 40psid (2.8bar) @ 180°F (82°C)

Reverse: 50psid (3.4bar) @ 75°F (24°C)

Bulk Packaging

Bulk packaged in case quantities to reduce material disposal

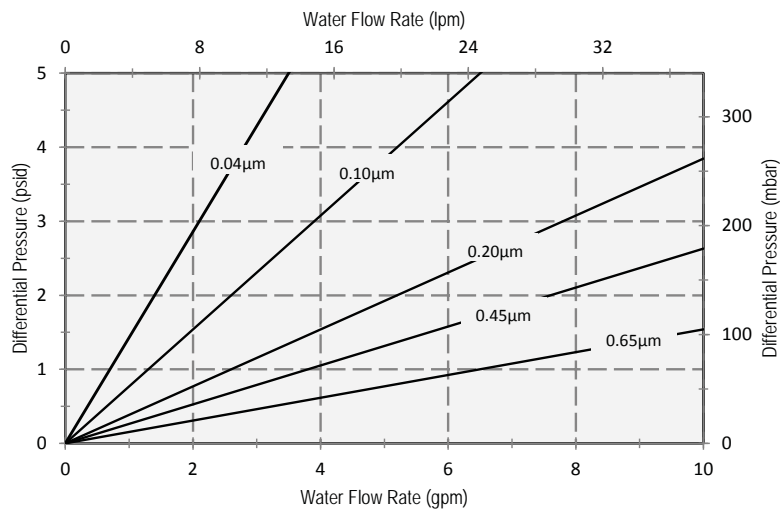
- 10" 28 per carton
- 20" 12 per carton
- 30" 12 per carton
- 40" 9 per carton

Performance Attributes

Water flow rates, Typical*		
Micron	gpm/psid	lpm/100mbar
0.04	0.7	3.84
0.1	1.3	7.14
0.2	2.6	14
0.45	3.8	21
0.65	6.5	36

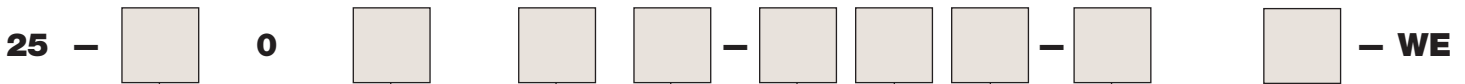
* Per 10-inch (250mm) cartridge equivalent.

10-inch (250mm) Cartridges



Ordering Information

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



Styles	
CODE	DESCRIPTION
1	No Insert (Std.)
5	Encapsulated 316 SS Insert
6	Encapsulated Polysulfone Insert
A	½" Shortened on 222 Fitting

End Fittings	
CODE	DESCRIPTION
0	DOE (CUNO®)
1	DOE
2	226 Flat
3	222 Flat
6	020 Internal Flat
7	226 Fin
8	222 Fin
G	120 Internal Recessed
H	Endcap 213 Recessed
R	Endcap (Ametek®) 222/Recessed End cap

Nominal Length		
CODE	INCHES	mm
10	10"	250
20	20"	500
30	30"	750
40	40"	1000

Filter Rating	
CODE	MICRON
924	0.04
001	0.1
002	0.2
004	0.45
006	0.65

Gasket/O-Rings	
CODE	MATERIAL
0	Buna-N
1	EPDM
2	Silicone
4	Viton®
5*	Encapsulated Viton®
6*	Encapsulated Silicone
N	None

*O-Rings only

Gaskets		
CODE	THICKNESS	
	INCHES	mm
1	0.200"	5
2	0.125"	3
4	(1) 0.200"	5
	(1) 0.125"	3
N	No Gasket	

Specifications are subject to change without notification.
 For User Responsibility Statement, see www.parker.com/safety
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