

CLARIFLOW® 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 a variety 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.

Water Service cartridges are fabricated under cleanroom conditions.

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
- Wine and beer clarification
- Juices
- Bottled water
- Process water

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 ft² (0.50 m²) per 10 inch (250 mm) cartridge

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 |

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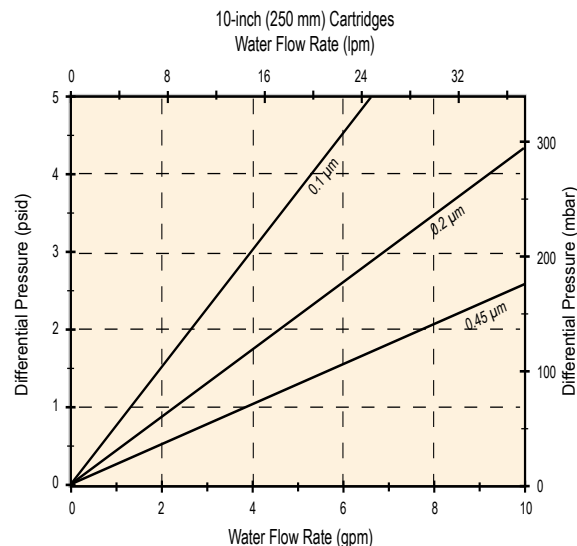
Hydrophilic polyethersulfone (PES) membrane for cost-effective water purification

PERFORMANCE ATTRIBUTES

Water Flow Rates

| | |
|---------|-----------------------------------|
| 0.1 µm | 1.3 gpm/psid (7.14 lpm/100 mbar) |
| 0.2 µm | 2.6 gpm/psid (14.27 lpm/100 mbar) |
| 0.45 µm | 3.8 gpm/psid (20.86 lpm/100 mbar) |

* Per 10 inch (250 mm) cartridge equivalent and 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 | | Thickness (Gaskets Only) | |
|--------------|----------------------|--------------|---------------------------------------|--|----------------|---------------|---------|----------------|----------|--------------------------|-------------------|
| CODE | DESCRIPTION | CODE | DESCRIPTION | CODE | LENGTH | CODE | MICRON | CODE | MATERIAL | CODE | THICKNESS |
| 1 | No Insert (standard) | 0 | DOE (CUNO®) | 10 | 10" (250 mm) | 001 | 0.1 µm | 0 | Buna N | 1 | 0.200" (5 mm) |
| 5 | Encapsulated | 1 | DOE | 20 | 20" (500 mm) | 002 | 0.2 µm | 1 | EPDM | 2 | 0.125" (3mm) |
| | 316 SS Insert | 2 | 226/Flat | 30 | 30" (750 mm) | 004 | 0.45 µm | 2 | Silicone | 4 | (1) 0.200" (5 mm) |
| 6 | Encapsulated | 3 | 222/Flat | 40 | 40" (1,000 mm) | | | 4 | Viton® | | (1) 0.125" (3 mm) |
| | Polysulfone Insert | 6 | 020/Internal/Flat | All cartridges are 2.75" (690 mm) in diameter. | | | | | | | |
| | 1/2" Shortened | 7 | 226/Fin | | | | | | | | |
| | Filter (222 only) | 8 | 222/Fin | | | | | | | | |
| | | G | 120/Internal/Recessed | | | | | | | | |
| | | H | 213 internal/recessed endcap | | | | | | | | |
| | | R | 213 internal/recessed endcap(Ametek®) | | | | | | | | |
| | | | 222/Recessed End cap | | | | | | | | |
| | | | | | | | | *O-rings only | | | |
| | | | | | | | | | | | |

TECHNICAL SUPPORT AND PRODUCT INFORMATION

Parker provides our customers with unsurpassed product consistency and cost efficiency. Our experienced professionals can help you select the right solution for your application. Orders can be emailed directly to PAFsales@parker.com. For additional information contact your local distributor. Information on product specifications, applications and chemical compatibility can be found on our web site at www.parker.com or through the Oxnard office.

Parker designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Coatings and Inks, Process and Chemical industries.

DISTRIBUTED BY:



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