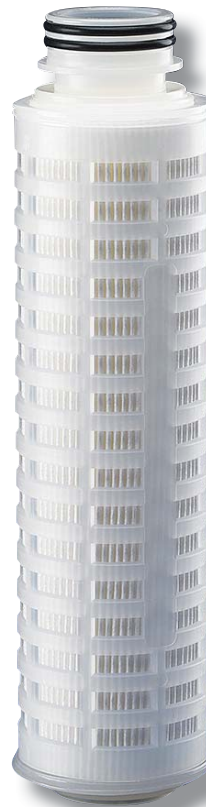


Chemflow[®]-PE

Chemically-resistant cartridge for bulk and lower temperature applications

The Chemflow[®]-PE filter cartridge uses a PTFE membrane along with HDPE supports that provide an economical alternative to all-fluoropolymer cartridges. It provides a high degree of retention and cleanliness along with good flow and lifetime. This filter is ideally suited for bulk chemical delivery and lower temperature wet processes (<60°C). It is available dry or wet-packed for quick installation.



Contact Information

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Benefits

- Good flow rates
- Long lifetime
- Wet-pack option for quick installation
- PTFE/ HDPE construction for chemical resistance
- 100% integrity tested in cleanroom environment

Applications

- Bulk chemical delivery
 - Acids, bases, solvents, photochemicals
 - Wet etch and clean (< 60°C)
 - Phosphoric acid
 - Hydrofluoric acid
 - Nitric acid
 - SC1, SC2
 - Solvents



ENGINEERING YOUR SUCCESS.

Chemflow®-PE

SPECIFICATIONS

Materials of Construction

Membrane: PTFE
 Support Layers: HDPE
 Structure: HDPE

All components are thermally bonded to ensure integrity and reduce extractables.

Effective Filtration Area

8.3ft² (0.78m²) per 10" (250mm) cartridge

Metals Extractables*

Standard: <55ppb (total)

*In a 10% HNO₃ extraction

Maximum Differential Pressure/ Temperature

Forward: 80psid (5.5bar) @ 75°F (24°C)

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

Maximum Operating Temperature

140°F (60°C)

Cleanliness (particle shedding)

Wet-packed: <1 particles/ml >0.2µm after 5gal at 1gpm

Data is from open bag and installed, no additional installation flushing.

TOC/Resistivity Rinse-up (wet-packed)

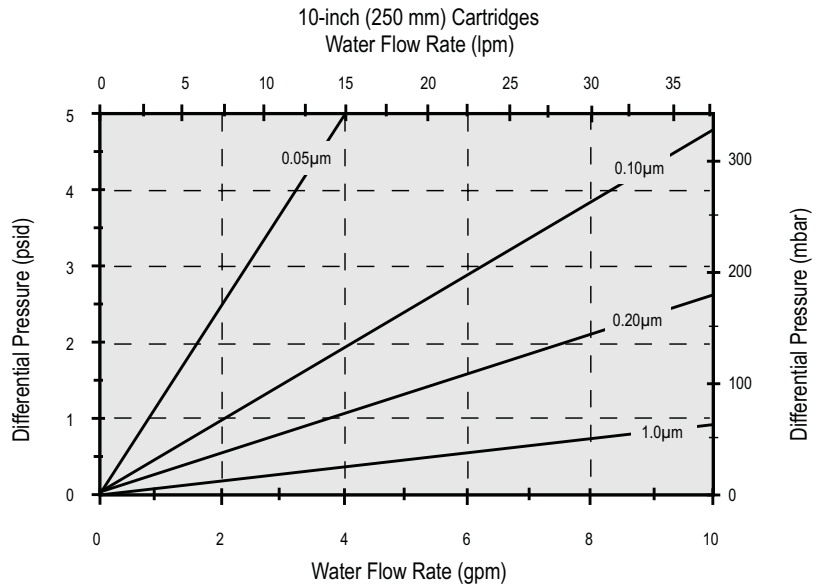
TOC rinse-up to background plus 5ppb of feed after 70gal @ 1gpm.

Resistivity rinse-up to background minus 0.2 megohm-cm of feed after 60gal @ 1gpm.

Performance Attributes

| Water flow rates, Typical* | | |
|----------------------------|----------|-------------|
| Micron | gpm/psid | lpm/100mbar |
| 0.05 | 0.8 | 4.39 |
| 0.1 | 2.1 | 12 |
| 0.2 | 3.8 | 21 |
| 1.0 | 10 | 55 |

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



Ordering Information

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

PE - [] **0** [] [] [] - [] [] [] - [] - **E** []

| Styles | | End Fitting | | Nominal Length | | | Filter Rating | | O-Ring Material | | Treatment | |
|--------|----------------------------|-------------|-------------|----------------|--------|------|---------------|--------|-----------------|-------------------------|-----------|------------|
| CODE | DESCRIPTION | CODE | DESCRIPTION | CODE | INCHES | mm | CODE | MICRON | CODE | MATERIAL | CODE | OPTIONS |
| 1 | None (Std.) | 2 | 226 Flat | 10 | 10" | 250 | 925 | 0.05 | 0 | Buna-N | Blank | Standard |
| A | ½ Shortened on 222 Fitting | 3 | 222 Flat | 20 | 20" | 500 | 001 | 0.1 | 1 | EPDM | W | Wet Packed |
| | | 7 | 226 Fin | 30 | 30" | 750 | 002 | 0.2 | 2 | Silicone | | |
| | | 8 | 222 Fin | 40 | 40" | 1000 | 010 | 1.0 | 4 | Viton® | | |
| | | | | | | | | | 5 | FEP-Encapsulated Viton® | | |

Specifications are subject to change without notification.
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