

Chemflow®-PE Select

Chemically-resistant HDPE high-performance cartridge for lower temperature solvent, and chemical filtration

NEW!

The Chemflow®-PE **SELECT** filter cartridge uses a PTFE membrane along with HDPE supports that provide an economical high-performance alternative to all-fluoropolymer cartridges. It provides a high degree of retention and cleanliness. With its unique **SELECT** pleating technology, the liquid flow rates are increased by up to 50% compared to our standard Chemflow®-PE. This filter is ideally suited for ultra-high purity chemical and solvent manufacturing, 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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hunter

Benefits

- Superior flow rates
- Long lifetime
- Wet-pack option for quick installation
- PTFE/ HDPE construction for chemical resistance
- 100% integrity tested in cleanroom environment
- Exceptional downstream cleanliness
- Low metal extractables

Applications

- Bulk chemical delivery
 - Acids, bases, solvents, photochemicals
- Wet etch and clean (< 60°C)
- Ultrapure chemical and solvent manufacturing

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Chemflow®-PE Select

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

11.5ft² (1.07m²) per 10" (250mm) cartridge

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.

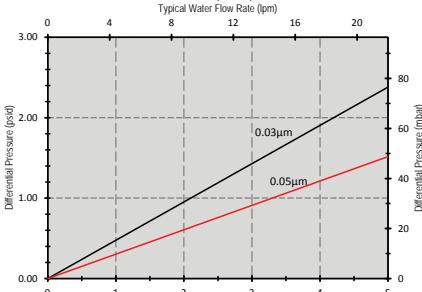
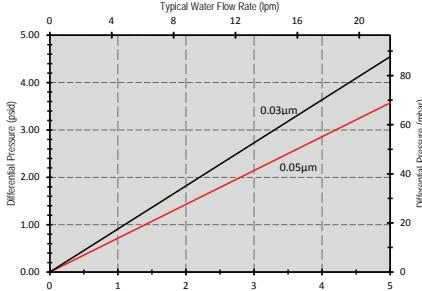
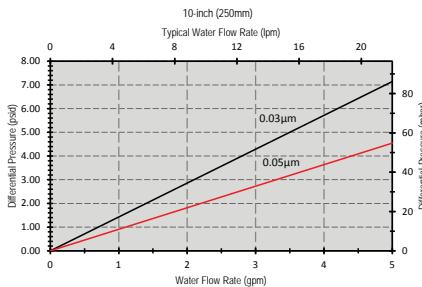
TOC/Resistivity Rinse-up (wet-packed)

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.

Metal Extractables

Parker domnick hunter's proprietary 'Ultraclean' special cleaning treatment is available for applications requiring ultra-low extractable levels.

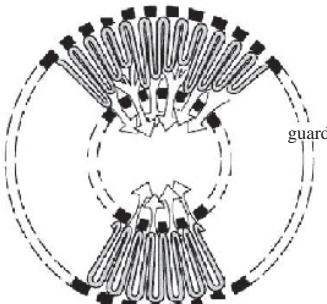


Water flow rates, Typical*

Micron	gpm/psid	lpm/100mbar
0.03	0.7	4.0
0.05	1.1	5.1

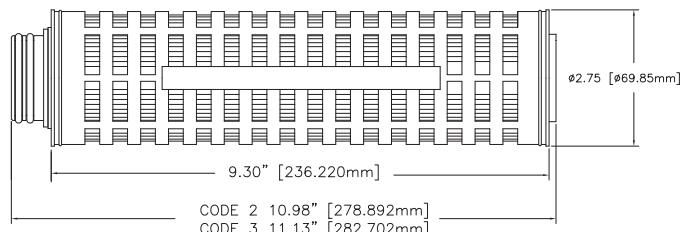
* Per 10-inch (250mm) cartridge equivalent.

SELECT Pleating



Standard pleating

SELECT pleating provides an optimized effective filtration area, dramatically increasing flow rates compared to products with standard pleat format.



Ordering Information

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

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DS_ME_Chemflow-PE Select Rev. A



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