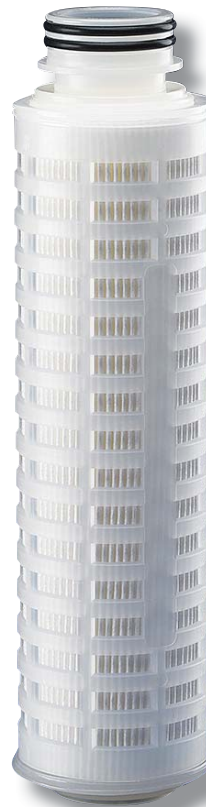


# Chemflow<sup>®</sup>-PE

Chemically-resistant cartridge for bulk and lower temperature applications

The Chemflow<sup>®</sup>-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<sup>®</sup>-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

8.3ft<sup>2</sup> (0.78m<sup>2</sup>) per 10" (250mm) cartridge

### Metals Extractables\*

Standard: <55ppb (total)

\*In a 10% HNO<sub>3</sub> 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)

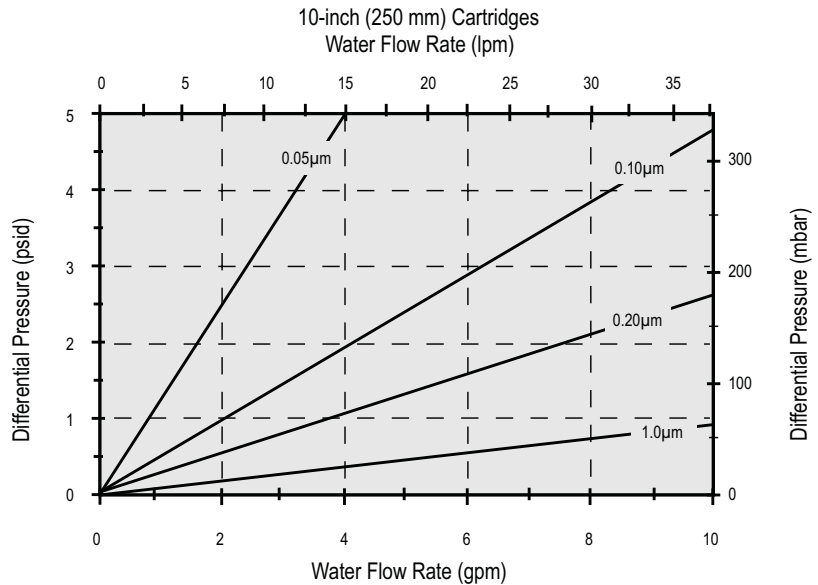
TOC rinse-up to background plus 5ppb of feed after 70gal @ 1gpm.

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 <sup>®</sup>		
									5	FEP-Encapsulated Viton <sup>®</sup>		

Specifications are subject to change without notification.  
 For User Responsibility Statement, see [www.parker.com/safety](http://www.parker.com/safety)  
 Chemflow is a registered trademark of Parker-Hannifin Corporation.  
 Viton is a registered trademark of E.I. DuPont de Nemours & Co., Inc.  
 Cuno is a registered trademark of Cuno Inc.

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