

# Chemflow<sup>®</sup>-PE Select

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



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

Parker-Hannifin Corporation  
**domnick hunter**  
**Process Filtration - N.A.**  
2340 Eastman Avenue  
Oxnard, California, USA 93030

toll free +1 877 784 2234  
phone +1 805 604 3400  
fax +1 805 604 3401  
dhpsales.na@parker.com

[www.parker.com/processfiltration](http://www.parker.com/processfiltration)

## 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<sup>®</sup>-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

11.5ft<sup>2</sup> (1.07m<sup>2</sup>) 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.

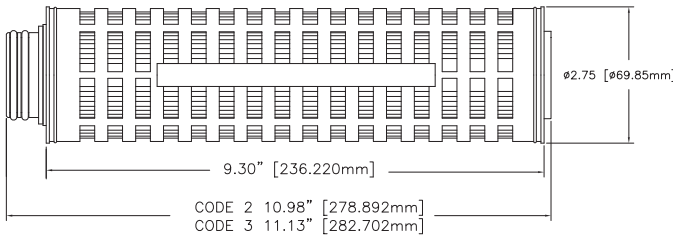
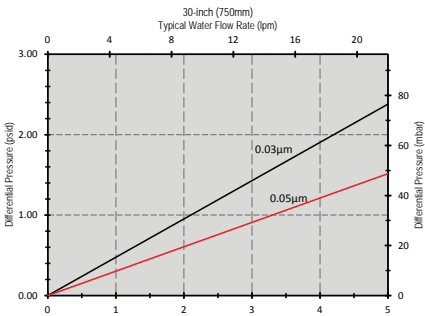
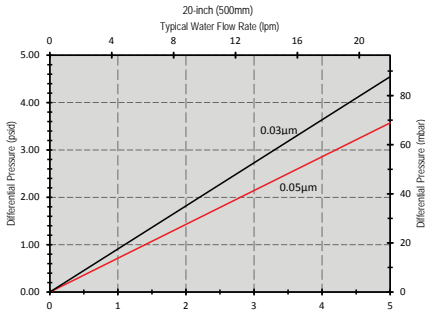
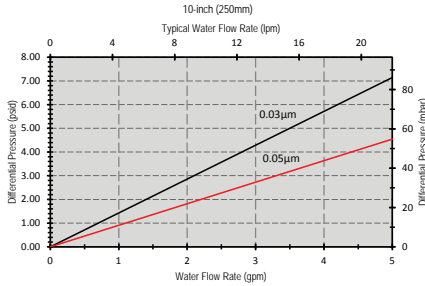
### TOC/Resistivity Rinse-up (wet-packed)

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.

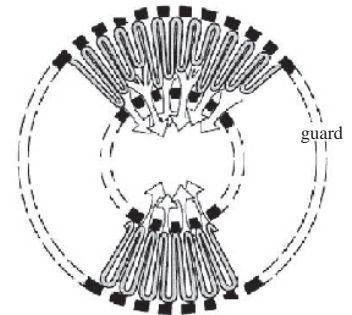


### Water flow rates, Typical\*

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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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	923	0.03	0	Buna-N	Blank	Standard
A	½ Shortened on 222 Fitting	3	222   Flat	20	20"	500	925	0.05	1	EPDM	W	Wet Packed
		7	226   Fin	30	30"	750			2	Silicone	U	Ultraclean
		8	222   Fin	40	40"	1000			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)  
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DS\_ME\_Chemflow-PE Select Rev. A



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