

Chemflow[®]-PE Select Filter Cartridge

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

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.



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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 Filter Cartridge

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 Operating Temperature

140°F (60°C)

Maximum Differential

Pressure/Temperature

Forward: 55psid (4.1bar) @ 75°F (24°C)

Reverse: 30psid (2.8bar) @ 75°F (24°C)

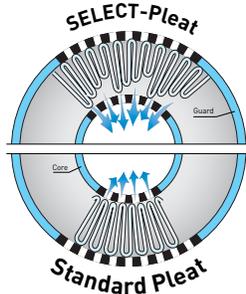
TOC/Resistivity Rinse-up (wet-packed)

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.

Cleanliness (particle shedding)

Wet-packed: <1 particles/ml >0.2µm after 7gal at 1gpm

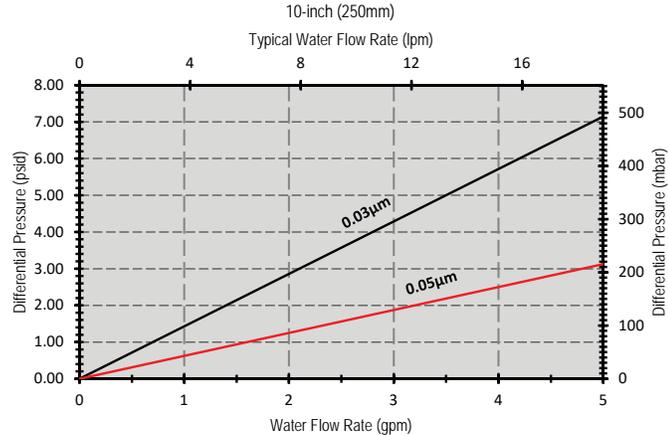


SELECT pleating provides an optimized effective filtration area, dramatically increasing flow rates compared to products with standard pleat format.

Water flow rates, Typical*

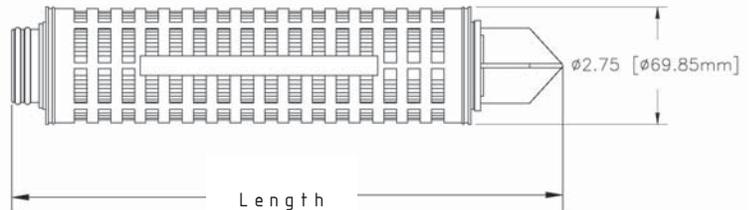
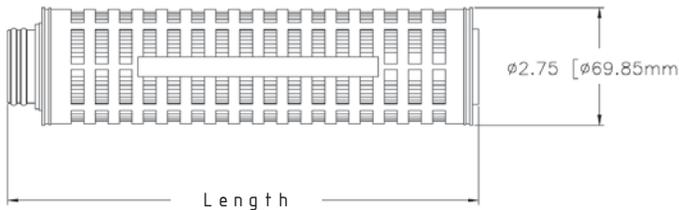
Micron	gpm/psid	lpm/100mbar
0.03	0.7	4.0
0.05	1.6	8.8

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



Code 3 Lengths								
Code	10		20		30		40	
	in.	mm	in.	mm	in.	mm	in.	mm
1	10.89	276.6	20.58	522.7	30.26	768.6	39.95	1014.7
A	10.41	264.4	20.10	510.5	29.78	756.4	39.47	1002.5

Code 8 Lengths								
Code	10		20		30		40	
	in.	mm	in.	mm	in.	mm	in.	mm
1	12.67	321.8	22.36	567.9	32.04	813.8	41.73	1059.9



Note: For Code 2 and Code 7 lengths, please consult your local Parker representative.

Ordering Information

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

ES - [] 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	923	0.03	1	EPDM	Blank	Standard
A ¹	½" Shortened on 222 Fitting	3	222 Flat	20	20	500	925	0.05	2	Silicone	W	Wet Packed
		7	226 Fin	30	30	750			4	Viton®	U	Ultraclean
		8	222 Fin	40	40	1000			5 ²	FEP Encapsulated Viton®		
									6 ²	FEP Encapsulated Silicone		
									P	PFA Encapsulated Viton® O-ring		

¹ Available only with Code 3 end fitting

² O-Rings only

Specifications are subject to change without notification.
 For User Responsibility Statement, see www.parker.com/safety
 Chemflow is a registered trademark of Parker-Hannifin Corporation.
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DS_ME_Chemflow-PE Select Rev. E



WARNING: This product can expose you to chemicals including Tetrafluoroethylene which are known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov

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