



FLO-PAC Plus Filter Cartridges

- liquid filters
- phenolic impregnated cellulose

Parker domnick hunter Flo-Pac Plus filters cartridges are the filters of choice for many industrial filtration requirements. Flo-Pac Plus Pleated filters are manufactured with premium grade, phenolic impregnated cellulosic filter media for long service life, high flow rate and low pressure drop.

Unique epoxy resin bonding of end caps, pleat side seal and gaskets provides excellent resistance to most organic solvents.

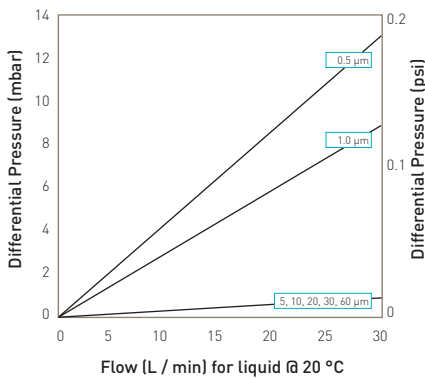
Flo-Pac Plus Pleated filter cartridges are available in 0.5µm, 1µm, 5µm, 10µm, 20µm, 30µm, and 60µm pore sizes (95% removal; $\beta = 20$).

Features and Benefits

- Epoxy bonding of end caps, pleat side seal and gaskets provides resistance to most organic solvents
- Premium pleated cellulosic media allow high flow capacity at low pressure drop
- Impregnated phenolic resin provides strength, integrity and high contaminant capacity
- Suitable for operating temperatures to 121°C (250°F)
- ETP (Electro-tin-plated) steel metal components for aqueous and oil-based applications



Performance Characteristics



10" Size (250 mm) Cartridge

Specifications

Materials of Construction

- Filtration Media: Phenolic impregnated cellulose
- Inner Support Core: ETP steel
- Outer Protection Cage: ETP steel
- Adhesive: Epoxy
- End Seals: Vellumoid (standard)
Viton*, cork

Recommended Operating Conditions

Maximum Temperature:
121°C (250°F)

Maximum Differential Pressure
4.8 barg (70 psid)

Recommended Changeout Pressure
2.4 barg (35 psid)

Recommended range is pH 4-10. Please call Parker domnick hunter for specific recommendation.

Recommended Flow Rates

Per single length cartridge

300 series: 27L/min
600 series (3-1/2 in ID): 194L/min
600 series (1-9/16 in ID): 135L/min
700 series: 194L/min

Dimensions

300 Series
Outside diameter: 64 mm (2 1/2") x
Inside diameter: 25 mm (1")
Length: 245 mm (9 5/8")
502 mm (19 3/4")
743 mm (29 1/4")
752 mm (29 5/8")
1016 mm (40")

600 Series
Outside diameter: 159 mm (6 1/4") x
Inside diameter: 89 mm (3 1/2"),
40 mm (1 5/16")
Length: 365 mm (14 3/8"),
737 mm (29")

700 Series
Outside diameter: 159 mm (6 1/4") x
Inside diameter: 67 mm (2 5/8"),
54 mm (2 1/8")
Length: 457 mm (18"),
914 mm (36")

Retention Characteristics

Micron Rating	Micron Rating at Various Efficiencies			
	Absolute 5000	99.9% 1000	99% 100	95% 20
0.5	12	10	3	0.5
1	15	12	6	1
5	30	20	9	51
10	50	35	18	10
20	90	70	40	20
30	100	85	50	30
60	200	150	90	60

Applications

- Aromatic Hydrocarbons (toluene, xylene, benzene)
- Ketones (acetone, isophorone, methylethyl ketone)
- Ethers (THF, dioxane)
- Amines (DEA, TEA, DMEA)
- Glycols (ethyl acetate, cellosolve acetate)
- Aliphatic Hydrocarbons (hexane, pentane, naphtha)
- Halogenated Hydrocarbons (methylene chloride, perchloroethylene)
- Esters (EG, PEG, DEG)

Ordering Information

FPE

Code Outside Diameter Series	Code Length (Nominal) Series	Code Micron	Code Inside Diameter Series	Code Seal Material
3 2.5" (64 mm) 300	10 9 5/8" (245 mm) 300	0.5 0.5 µm	None 1" (25 mm) 300	A Vellumoid
6 6.25" (159 mm) 600	14 14 3/8" (365 mm) 600	1 1 µm	None 3.5" (89 mm) 600	C Cork
7 6.25" (159 mm) 700	18 18 (457 mm) 700	5 5 µm	None 2.62" (67 mm) 700	V (700 Series Only)
	20 19 3/4" (502 mm) 300	10 10 µm	1 1.6" (41 mm) 600	N Viton*
	29 29" (736 mm) 600	20 20 µm	8 2.13" (54 mm) 700	
	29 24 1/4" (743 mm) 300	30 30 µm		
	30 29 5/8" (753 mm) 300	60 60 µm		
	36 36" (915 mm) 700			
	40 40" (1016 mm) 300			

*Viton is a registered trademark of E.I. DuPont de Nemours & Co., Inc

Parker domnick hunter has a continuous policy of product development and although the Company reserves the right to change specifications, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact our Process Filtration Sales Department for detailed information and advice on a products suitability for specific applications. All products are sold subject to the company's Standard conditions of sale.

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Map and Directions to Prosep Filters Limited



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)