

## FLO-PAC Filter Cartridges

- liquid filters
- phenolic impregnated cellulose



Parker domnick hunter Flo-Pac filters are the perfect choice for many industrial filtration requirements. Flo-Pac pleated filters contain premium grade, phenolic impregnated cellulosic filter media.

Parker domnick hunter's line of pleated filters are designed for critical filtration applications, providing long service life, high flow rate and low pressure drop.

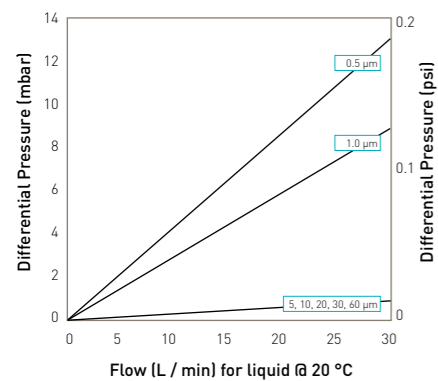
Flo-Pac Pleated filters are available in 0.5µm, 1µm, 5µm, 10µm, 20µm, 30µm, and 60µm pore sizes (95% removal; β = 20).

### Features and Benefits

- Pleated cellulosic media allow high flow capacity at low pressure drop
- Phenolic resin impregnated to provide strength, integrity and high contaminant capacity
- Suitable for operating temperatures to 121°C (250°F)
- Outer sleeve protects the media from damage
- ET P (Electro-tin-plated) steel metal components for both aqueous and oil-based applications
- Buna-N gaskets are standard, other materials are available



### Performance Characteristics



10" Size (250 mm) Cartridge

## FLO-PAC Filter Cartridges

### Specifications

#### Materials of Construction

- Filtration Media: Phenolic impregnated cellulose
- Inner Support Core: ETP steel
- Outer Protection Cage:
  - 300 Series: Polypropylene
  - 600 & 700 Series: ETP steel
- Adhesive: Thermosetting PVC
- End Seals:
  - 300 and 700 Series: Buna-N gaskets
  - 600 Series: Buna-N gaskets / grommets
  - 500 Series: Fibre gaskets

#### 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")  
 753 mm (29 5/8")  
 1016 mm (40")

500 Series  
 Outside diameter: 115 mm (4 1/2") x  
 Inside diameter: 44 mm (1 3/4")  
 Length: 457 mm (18")

600 Series  
 Outside diameter: 159 mm (6 1/2") x  
 Inside diameter: 78 mm (3 1/8"),  
 39 mm (1 5/16"),  
 32 mm (1 1/4")  
 Length: 365 mm (14 3/8")  
 737 mm (29")  
 1102 mm (43 3/8")

700 Series  
 Outside diameter: 159 mm (6 1/4") x  
 Inside diameter: 54 mm (2 1/8"),  
 67 mm (2 5/8")  
 Length: 457 mm (18")  
 914 mm (36")  
 1372 mm (54")

#### 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 Flow Rates

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

#### Retention Characteristics

Micron Rating	Micron Rating at Various Efficiencies				
	Absolute	99.9%	99%	95%	90%
0.5	12	10	3	0.5	<0.5
1	15	12	6	1	<1.0
5	30	20	9	5	3.5
10	50	35	18	10	7
20	90	70	40	20	12
30	100	85	50	30	21
60	200	150	90	60	45

#### Applications

- Water Soluble
- Coolants
- Quench Oils
- Fuels
- Lubricating Oils
- Hydraulic Oils
- EDM Dielectrics
- Rolling Mill Oils
- Processing Liquids
- Gasoline

### Ordering Information

Code	Outside Diameter	Series	Code	Length (Nominal)	Series	Code	Micron	Code	Inside Diameter	Series	Code	Seal Material	Code	Body
3	2.5"	(64 mm) 300	10	9 5/8"	(245 mm) 300	0.5	0.5 µm	None	1"	(25 mm) 300	None	Buna-N Gaskets	None	Metal
5	4.5"	(114 mm) 500	14	14 3/8"	(365 mm) 600	1	1 µm	None	1.75"	(44 mm) 500	A	Vellumoid		(500, 600 700 series)
6	6.25"	(159 mm) 600	18	18"	(457 mm) 500, 700	5	5 µm	None	3.5"	(89 mm) 600	B	Fiber	1	Polypro
7	6.25"	(159 mm) 700	20	19 3/4"	(502 mm) 300	10	10 µm	None	2.62"	(67 mm) 700		(500 Series Only)		(300 series)
			29	29"	(736 mm) 600	20	20 µm	1	1.6"	(41 mm) 600	C	Cork	M	Metal
			29	9 1/4"	(743 mm) 300	30	30 µm	8	2.13"	(54 mm) 700		(700 Series Only)	N	No Body
			30	29 5/8"	(753 mm) 300	60	60 µm				G	Buna-N Grommets		
			36	36"	(915 mm) 700							(600 Series 1-9/16 in ID)		
			40	40"	(1016 mm) 300						V	Viton*		
			44	43 3/8"	(1102 mm) 600									
			54	54"	(1372 mm) 700									

## LENNTECH bv

info@lenntech.com  
 www.lenntech.com  
 Tel. +31-15-261.09.00  
 Fax. +31-15-261.62.89

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