C-4015

Fulflo® Flo-Pac® Filter Cartridges

Superior Industrial Filtration From a Pleated Cartridge Design

Parker Fulflo[®] Flo-Pac[®] Cartridges are the perfect choice for many industrial filtration requirements. Flo-Pac pleated cartridges contain premium grade, phenolic impregnated cellulosic filter media. Parker's line of pleated cartridges is designed for critical filtration applications, providing long service life, high flow rate and low pressure drop.

Flo-Pac Pleated Cartridges are available in 0.5 μ m, 1 μ m, 5 μ m, 10 μ m, 20 μ m, 30 μ m, and 60 μ m pore sizes (95% removal; ß = 20).



Benefits

- Pleated cellulosic media allow high flow capacity at low pressure drop
- Available in a variety of sizes and configurations to fit most industrial vessels
- Phenolic resin impregnated to provide strength, integrity and high contaminant capacity
- High strength spiral core withstands pressure surges to 100 psid
- Suitable for operating temperatures to 250°F (121°C)

- Outer sleeve protects the media from damage
- ETP (Electro-tin-plated) steel metal components for both aqueous and oil-based applications
- Buna-N gaskets are standard, other materials are available

Applications

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



Fulflo[®] Flo-Pac[®] Filter Cartridges

Specifications

Materials of Construction:

- Filter Media: Phenolic impregnated cellulose Cores ETP steel End Caps: ETP steel
- Sleeve: 300 series polypropylene 600 & 700 series - ETP steel Adhesive: Thermosetting PVC End Seals: 300 & 700 Series–Buna-N gaskets, 600 Series–Buna-N gaskets/ grommets, 500 Series–fiber gaskets,

Packaging:

300 Series:

310–24/carton (12 lb ≈ shipping wt) 320–12/carton (12 lb ≈ shipping wt) 330–12/carton (18 lb ≈ shipping wt) 340–12/carton (24 lb ≈ shipping wt) **500 Series**: 518–6/carton (14 lb ≈ shipping wt) **600 Series**: 614–6/carton (20 lb ≈ shipping wt) 629–4/carton (26 lb ≈ shipping wt) 644–4/carton (40 lb ≈ shipping wt)

700 Series:

- 718–6/carton (20 lb \approx shipping wt) 736–4/carton (26 lb \approx shipping wt)
- 754–4/carton (39 lb ≈ shipping wt)

Maximum Recommended Operating Conditions:

Dimensions:

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300 Series
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- 2-1/2 in OD x 1 in ID x 9-5/8 in, 19-3/4 in, 29-1/4 in, 29-5/8 in, 40 in
- 500 Series
- 4-1/2 in OD x 1-3/4 in ID x 18 in
- 600 Series
- 6-1/4 in OD x 3-1/12, 1-9/16 in or 1-1/4
- in ID x 14-3/8, 29 or 43-3/8 in long 700 Series
- 6-1/4 in OD x 2-5/8 in or 2-1/8 in ID x 18, 36, or 54 in long

Filtration Ratings:

95% at 0.5μm, 1μm, 5μm, 10μm, 20μm, 30μm, and 60μm pore sizes

Liquid Particle Retention Ratings (µm) at Removal Efficiencies of:

Cartridge	β=5000 Absolute	β =1000 99.9%	β =100 99%	β =20 95%	β=10 90%
FP-0.5	12	10	3	0.5	<0.5
FP-1	15	12	6	1	<1.0
FP-5	30	20	9	5	3.5
FP-10	50	35	18	10	7
FP-20	90	70	40	20	12
FP-30	100	85	50	30	21
FP-60	200	150	90	60	45

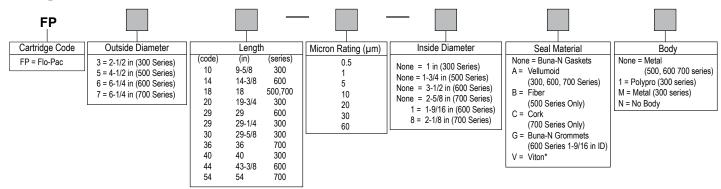
Flow Rate and Pressure Drop Formulas

Flow Rate (gpm) = $\frac{\text{Clean } \Delta P \text{ x Length Factor}}{\text{Viscosity x Flow Factor}}$

- Clean DP = Flow Rate x Viscosity x Flow Factor Length Factor
- 1. Clean ΔP is PSI differential at start.
- 2. Viscosity is centistokes. Use Conversion Tables for other units.
- Flow Factor is △P/GPM at 1 cks for 10 in (or single).
- Length Factors convert flow or △P from 10 in (single length) to required cartridge length.

FP Flow Factors (psid/gpm @ 1 cks)			FP Length Factors		
Rating (µm)	Flow Factor		Style	Length Factor	
0.5 1 5 10 20 30 60	0.0260 0.0170 0.0020 0.0018 0.0010 0.0009 0.0005		FP310 FP320 FP330 FP340 FP518 FP614 FP629 FP644	1.0 2.0 3.0 4.0 3.3 3.6 7.2 10.8	
			FP718 FP736 FP754	6.5 13.0 19.5	

Ordering Information



Specifications are subject to change without notification.

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ENGINEERING YOUR SUCCESS.

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