C-2060

Fulflo® 336 Pleated Cartridge

Pleated cartridge construction improves filtration efficiency, dirt holding capacity and flow rates

Parker's Fulflo® Pleated 336 size filter cartridges provide highly efficient removal of solid contaminants from a variety of petrochemical, refinery and oilfield applications. Cartridges are manufactured from premium grade phenolic impregnated cellulose and polypropylene blown media. These structures provide superior removal efficiency. The cartridges are available in 3µ, 10µ, 12µ, 22µ, and 100µ pore sizes. (99.98% removal; ß = 5000)

Benefits

- Retrofits housings that use 3" OD x 36" long SOE cartridges with spring
- High surface area
- Low pressure drop
- Materials compatible with most applications
- High filtration efficiency
- High dirt-holding capacity
- Rugged construction

Applications

- Petrochemical
- Refineries
- Oil Fields
- Produced Water
- Amines
- Glycols

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Fulflo® 336 Pleated Cartridges

Specifications

Materials of Construction:

Cellulose: Phenolic impregnated cellulose media
Polypropylene support core and end caps (Steel core optional)
Buna-N gasket 316 st. stl. spring
Polypropylene: Filter media and support layers – Poplypropylene
Polypropylene support core and end caps (steel core optional)
Buna-N gasket 316 st. stl. spring

Recommended Operating Conditions:

Maximum 33 GPM per cartridge

Polypropylene Support:

Maximum Temperature @ 10 PSID (0.7 km/cm²): 200°F (93°C)
Maximum Temperature @ 35 PSID (2.5 km/cm²): 125°F (52°C)
Maximum Temperature @ 60 PSID (4.2 km/cm²): 75°F (24°C)
Optimum Change Out at ambient temp.: 35 PSID (25 km/cm)

Steel Support:

Maximum Temperature: 250°F (121°C)
Maximum ΔP: 50 PSID (3.5 km/cm²)
Optimum change Out ΔP: 35 PSID (2.5 km/cm²)

Dimensions:

Length: 34-3/4 in (883 mm) w/o spring:
37-1/8 in (943 mm) with spring
OD: 3 in (76 mm)
ID: 1-9/16 in (40 mm)

Length	Length Factor
336	*4*

Cartridge	Flow Factor
PPC005	0.090
PCG020	0.026
PCC2	0.017
PCC10	0.002
PCC30	0.001
PCC60	0.005

Cartridge	ß=5000 Absolute	ß=1000 99.7%	ß=100 99%	ß=50 98%	ß@2 micron
PPC005	3	2.8	0.5	<0.5	400
PCG020	10	8.6	1.8	0.9	110
PCC2	12	10	3.2	1.7	64
PCC10	22	18	6	3.2	35
PCC30	100	85	11	4.5	25
PCC60	150	90	30	15.0	10

Flow Rate and Pressure Drop Formulas

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

$$\text{Clean DP} = \frac{\text{Flow Rate} \times \text{Viscosity} \times \text{Flow Factor}}{\text{Length Factor}}$$

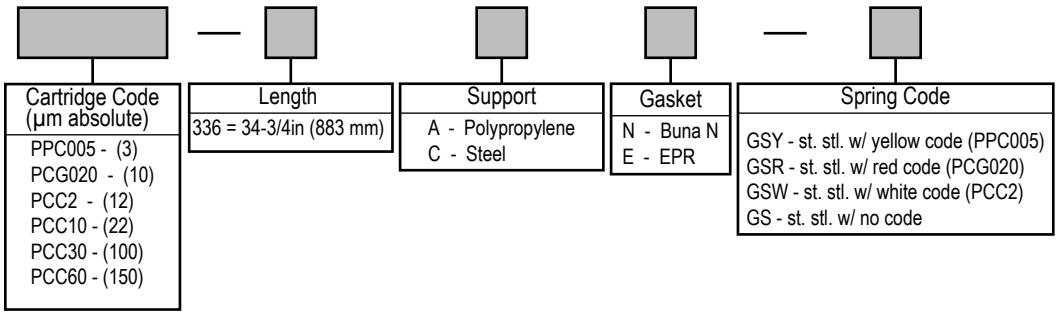
1. Clean ΔP is PSI differential at start.
2. Viscosity is centistokes. Use Conversion Tables for other units.
3. Flow Factor is ΔP/GPM at 1 cks for 10 in (or single).
4. Length Factors convert flow or ΔP from 10 in (single length) to required cartridge length.

Beta Ratio (ß) =

$$\frac{\text{Upstream Particle Count @ Specified Particle Size and Larger}}{\text{Downstream Particle Count @ Specified Particle Size and Larger}}$$

$$\text{Percent Removal Efficiency} = \left(\frac{ß-1}{ß}\right) 100$$

Ordering Information



Specifications are subject to change without notification.
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