

Fulflo® PCC Filter Cartridge

Pleated Filter Cartridges



Unique Cartridge Construction Improves Particle Retention, Service Life and Flow Rates

Parker Fulflo® Pleated Cellulosic Cartridges (PCC) meet a broad range of critical filtration applications. Each cartridge in the series is manufactured with premium grade, phenolic impregnated, cellulosic filter media.

Phenolic resin locks the cellulosic fibres into a rigid, porous matrix. This structure provides superior particle removal and particle retention performance under the most severe conditions.



Applications:

- High-Technology Coatings
- Deionized Water
- RO Membrane pre-filtration
- Process Water
- Fine Chemicals
- Waste water
- Plating Chemicals

Product Features:

- Premium pleated cellulosic media allow high flow capacity at low pressure drop
- Longer cartridge life reduces frequency of filter change-out resulting in less disposal costs, reduced inventory and less process interruptions
- Phenolic resin impregnated to provide strength, integrity and high contaminant capacity
- High flow rates permit the use of smaller vessels and fewer cartridges
- Lower differential pressure reduces power requirements and pump wear and tear

Fulflo[®] PCC Filter Cartridge

Specifications

Filtration Rating

99% at specified micron rating

Materials of Construction

Filter Media: Phenolic impregnated cellulose (PCG020 - Glass modified cellulose)
 Support Cage: Polypropylene Netting
 Support Core/End Caps: Polypropylene (DOE and SOE)
 304 Stainless Steel (DOE only)

Dimensions

OD: 68.6 mm
 ID: 25.4 mm

Maximum Operating Conditions

Polypropylene Supports

Max Temperature: 93°C at 0.7 bar
 Max Pressure: 4.2 bar at 24°C
 2.4 bar at 52°C
 Max Flow Rate: 38 l/min per 10"

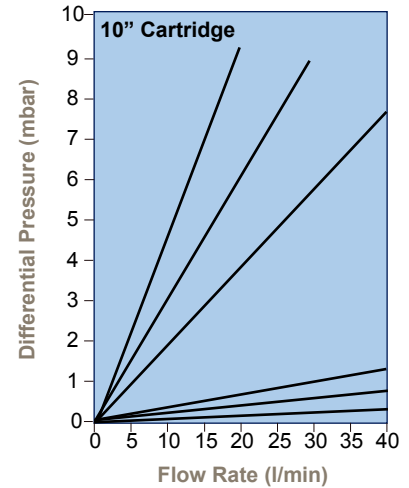
Stainless Steel Supports

Max Temperature: 121°C
 Max Pressure: 3.4 bar
 Max Flow Rate: 38 l/min per 10"

Recommended Operating Conditions

Change-Out Pressure: 2.4 bar
 Flow Rate: 9.5 l/min per 10"

Flow rate vs. ΔP
 (1 cks liquid @ 23°C)

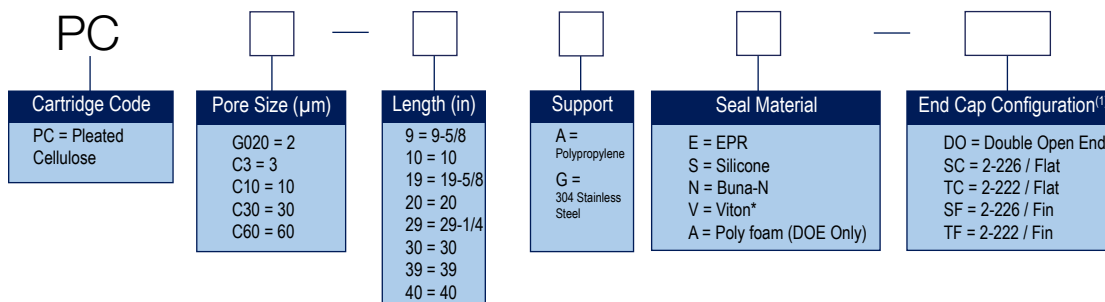


Cartridge Code	99.98%	99.9%	99%	98%	95%	90%
PCG020	10	7.0	1.8	0.9	0.3	0.1
PCC3	12	9.5	3.0	1.7	0.6	0.2
PCC10	22	17	5.5	3.0	1.0	0.3
PCC30	100	50	11	5.5	1.5	0.5
PCC60	150	100	30	15	5.5	2.0

Flow Factor Table**

PCC	2 μ m	3 μ m	10 μ m	30 μ m	60 μ m
Flow factor (mbar / l/min @ 1cks)	0.47372	0.30974	0.03644	0.01822	0.00911

Ordering Information:



1 - More options available, please consult with manufacturing

* - Trademark of E.I. duPont de Nemours & Co.

** - Flow factor required for sizing. Refer to page 62 for further information



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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](#)