

Fulflo® 1401 Pleated Cartridge

Pleated cartridge for high-efficiency, high-pressure, dirt-holding capacity & flow rate

Parker's Fulflo® 1401 pleated cartridges are designed to replace similar competitive cartridges in high pressure water injection & disposal, gas streams and fluid processing. The cartridges are available in cellulosic and polypropylene media.

Fulflo® 1401's are available in absolute ratings of 3, 6, 10, 12, 22, and 100 microns ($\beta = 5000, 99.98\%$).



Contact Information

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Benefits

- Retrofits into compatible housing that use 1401 style cartridges
- Maximize surface area to prevent particle bridging
- High filtration efficiency
- Low pressure drops
- High flow rates
- Internal o-ring seal for positive sealing
- Rugged construction
- ISO 9001 registered company

Applications

- Water Injection
- Solvents
- Acids
- Chemicals
- Hydrocarbons
- Water



ENGINEERING YOUR SUCCESS.

Fulflo® 1401 Pleated Cartridges

SPECIFICATIONS

Filtration Ratings

99.98% at 3µm, 6µm, 10µm, 12µm, 22µm, and 100µm pore sizes

Recommended Operating Conditions

Pressure rating - 50 psid

Temperature Rating - 275°F

Recommended flow rate - 75gpm

Change out ΔP - 35psid

Dimensions:

3¾" OD x 2⅛" ID x 38¾" long

Materials of Construction

Filter media

PCC - Phenolic impregnated cellulose

PCG - Phenolic impregnated cellulose with 14% glass fiber

PPC - Polypropylene

Core & End Cap - Steel

Outer Mesh Sleeve - Polypropylene

Internal O-Ring - Buna-N

Liquid Particle Retention Ratings (µm) @ Removal Efficiency of:

Cartridge	β = 5000 99.98%	β = 1000 99.9%	β = 100 99%	β = 20 95%	β = 10 90%
Pleated Polypropylene					
PPC005-1401	3	2.8	0.5	<0.5	<0.5
PPC010-1401	6	4.8	1.2	<0.5	<0.5
PPC020-1401	10	8	5	<1.0	<0.5
Pleated Cellulosic					
PCG020-1401*	10	8.6	1.8	0.9	<0.5
PCC3-1401	12	10	3	1.7	<0.5
PCC10-1401	22	18	6	3.2	<1.0
PCC30-1401	100	85	11	4.5	<1.0

Manufactured with 14% glass fiber

1401 Cross Reference	
Parker	Pall
PPC005-1401	MCC 1401J025 - H13
PPC010-1401	MCC 1401J060 - H13
PPC020-1401	MCC 1401 J100 - H13
PCG020-1401	MCC 1401 E100 - H13
PCC3-1401	-
PCC10-1401	MCC 1401E280 - H13
PCC30-1401	MCC 1401E500 - H13

Beta Ratio (β) =

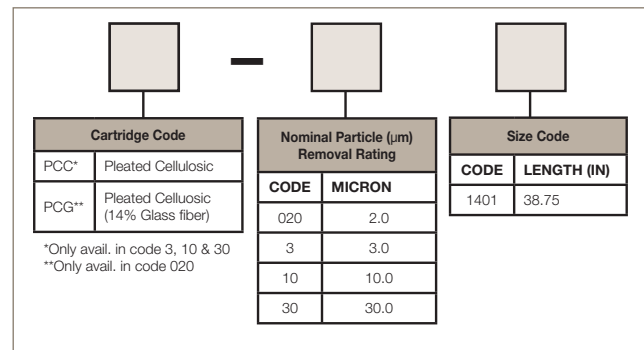
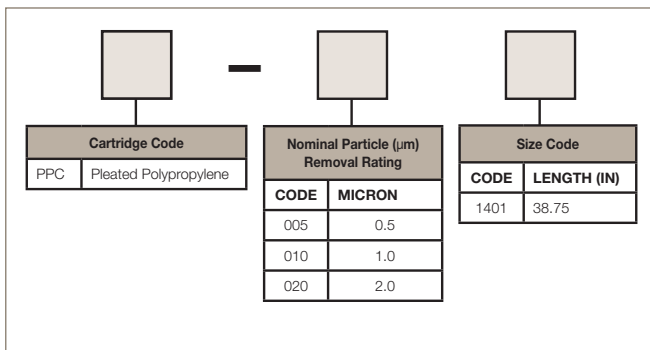
Upstream Particle Count @ Specified Particle Size and Larger

Downstream Particle Count @ Specified Particle Size and Larger

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

Performance determined per ASTM F-795-88, single-pass test using AC test dust in water.

Ordering Information



Specifications are subject to change without notification.
For User Responsibility Statement, see www.parker.com/safety

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DS_IP_1401 Pleated Rev. B