

Fulflo® 1401, High Pressure Filter Cartridge

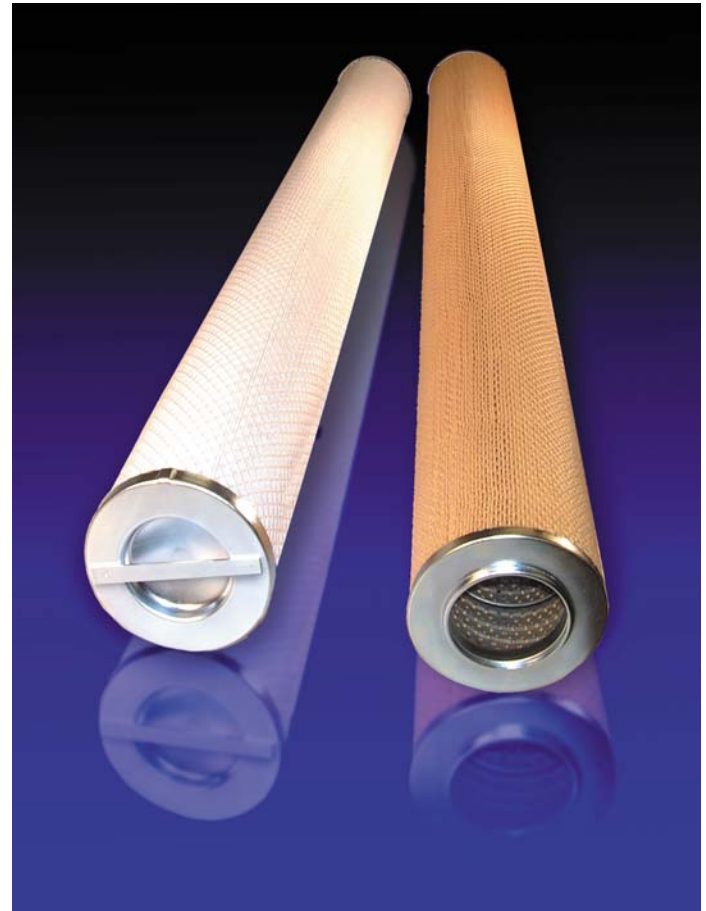
Pleated Series

High Efficiency, Flow Rate, Dirt Holding Capacity & High Pressure Pleated Cartridges

Parker's Fulflo® 1401 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 2.5, 6, 10, 12, 22, and 100 microns ($\beta = 5000, 99.98\%$)

Applications

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



Features and 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

Process Filtration Division



Pleated Series

Specifications

Filtration Ratings:

- 99.98% at 2.5µm, 6µm, 10µm, 12µm, 22µm, and 100µm pore sizes

Operating Conditions:

- Pressure rating - 150 PSID
- Temperature Rating - 275°F
- Recommended flow rate - 75 GPM
- Change out ΔP - 35 PSID

Dimensions:

- 3 3/4" OD x 2 1/8" ID x 38-3/4" long

Materials of Construction:

- Filter media;
 - PPC/PCG - phenolic impregnated cellulose
 - 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 5%	β=10 90%
PPC005 - 1401	2.5	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
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	3.0	<1.0

1401 Cross Reference	
Pall	Process Filtration
MCC 1401JO25 - H13	PPC005 - 1401
MCC 1401J060 - H13	PPC010 - 1401
MCC 1401 J100 - H13	PPC020 - 1401
MCC 1401 E100 - H13	PCG020 - 1401
MCC 1401E280 - H13	PCC10 - 1401
MCC 1401E500 - H13	PCC30 - 1401
	PCC3 - 1401

Beta Ratio (β) =

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

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

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

Ordering Information

PCC	10	1401
Cartridge Code	Nominal Particle (µm) Removal Rating	Size Code (Length)
PPC = Pleated Polypropylene Cartridge	005 = 0.5 010 = 1.0 020 = 2.0	1401 = 38.75 in
PCC = Pleated Cellulosic Cartridge	3 = 3.0 10 = 10.0 30 = 30.0	

Process Filtration Division

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