

## PLEATED POLYPROPYLENE FILTER CARTRIDGE PPC-A SERIES



**PPC-A** filter cartridges are absolute rated, pleated polypropylene depth filters, they are equally suitable for use as membrane pre-filters or final polishing filters in applications that do not require membrane filtration.

PPC-A filter cartridges are absolute rated, tested to Beta 5000 using the industry standard OSU-F2 test procedure with AC Fine or Coarse test dust as appropriate.

Manufactured from 100% polypropylene filter media and hardware, PPC-A filter cartridges have excellent chemical compatibility. Thermal bonded construction eliminates the requirement for adhesives, maintaining product integrity in demanding applications and minimising the level of extractables in the filtrate.

All materials conform to the relevant requirements of FDA CFR21 part 177.

PPC-A filter cartridges are available in a wide range of length and endcap configurations to retrofit most industry standard applications

### PPC-A FEATURES & BENEFITS

- Absolute micron ratings ensure consistent, repeatable performance.
- Lot numbers provide traceability.
- Large surface area ensures low initial pressure drops and high dirt holding capacity, for extended service life.
- 100% Polypropylene construction and thermal bonding mean wide chemical compatibility and minimum levels of extractables.
- Suitable for steam sterilisation (with optional steam ring), autoclaving and hot water sanitisation.
- Modular construction, cartridges can be quickly assembled to any length and end cap configuration greatly reducing lead times.



## TECHNICAL DATA

### Dimensions

Outside Diameter: 69mm  
 Inside Diameter: up to 32mm  
 Lengths: 5" to 70"

### Sanitisation

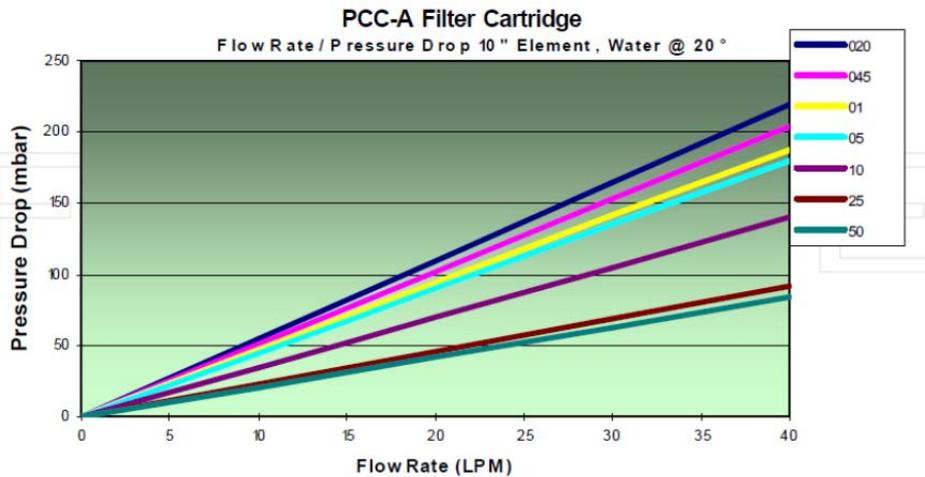
Steam or Autoclave: 121°C for 15 minutes  
 (with steam ring, 30 cycles)  
 Hot Water Sanitisation: 90°C for 30 minutes  
 repeatedly

### Operating Conditions

Recommended Maximum  $\Delta P$   
 Forward Flow 4 bar @ 20°C  
 2.8 bar @ 65°C  
 1 bar @ 80°C  
 Reverse Flow 3 bar @ 20°C

### Materials of Construction

Filter Medium: Polypropylene  
 Drainage layers: Polypropylene  
 Inner Core: Polypropylene  
 End Caps: Polypropylene  
 Gaskets & O-rings: Various, see below



## NOMENCLATURE INFORMATION

Code	Micron rating	Material	Length	End cap	Gasket	Options
PPCA	A2 = 0.2 micron A4 = 0.45 micron 01 = 1 micron 05 = 5 micron 10 = 10 micron 25 = 25 micron 50 = 50 micron	PP= Polypropylene	05 = 4.7/8" 10 = 9.7/8" 20 = 20" 30 = 30" 40 = 40"	A =DOE+G 3 = cod. 3 7 = cod. 7 fin 7X = cod.7 flat 8 =cod. 8 X =special	E=EPDM B=Nitrile S=Silicone T=FEP V=Viton	S = SS insert F = Pre-Flush

Example: PPC-A-01-PP-40-7S-S = PPC-A Absolute Polypropylene pleated filter cartridge, 1 micron rating, 40" long, 226/fin endcaps (Code 7) with silicone o-rings and SS insert.