

SUPAPORE PPG

Pleated Depth Filter Cartridge



SupaPore PPG Microfiltration cartridges have been designed as effective prefilters for membrane and as final polishing filters for many liquid processing applications. Manufactured using 100% polypropylene media, drainage layers and hardware, the SupaPore PPG pleated depth cartridge offers excellent chemical compatibility across a wide range of liquid processing applications. Its thermally bonded construction ensures minimal extractables and its high filtration efficiency makes it an excellent choice for use in many manufacturing & water treatment processes.



The construction utilises thermal welding techniques to seal all the components therefore eliminating adhesives and extractables and optimising cartridge integrity.

SupaPore PPG cartridges use pleated depth media and are available in standard diameter and Junior sizes with micron ratings from 0.2µm to 40µm in the full range of industry standard lengths and end cap styles.

Product Features

- 100% polypropylene construction
- Absolute removal ratings Beta ratio 5000
- Extended life version available
- No fibre migration
- Modular construction
- Standard and Junior configurations
- Materials meet US FDA Title 21 and USP Class VI requirements
- Meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004

Suitable for most sanitisation regimes including steaming, autoclaving, hot water flush and most common sanitising agents.

(Note: Steaming, autoclaving and hot water sanitisation must use the glass filled end-cap option.)



Amazon Filters manufactures a comprehensive range of filter housings for SupaPore cartridges including the industrial 50 and 60 Series and the 70 Series for hygienic applications. Please consult our Sales Office for further details on the full range.

Features and Benefits

- Absolute removal ratings for consistent and reliable performance
- Pleated depth media for maximum dirt holding capacity
- High surface area giving high flow rates and low initial pressure losses
- Extended life version available for more challenging applications
- Wide chemical compatibility using 100% polypropylene, meets FDA requirements
- Range of Absolute ratings from 0.2 to 40µm
- Thermal bonding process eliminates adhesives and ensures minimal extractables
- Identification mark on every cartridge
- Comprehensive Product Validation Guide Available

Industries and Applications

Food and Beverage
Pharmaceuticals
Fine Chemicals
Electronics
Cosmetics
Metal Finishing
Water Treatment

- Bottled water, Beers, Wines, Flavours, Polishing lines, Clarification
- Membrane pre-filtration, Ophthalmics, Oral medications
- Polymers, Photoresists, Acids, Bases, Solvents
- High purity water, Photo resists, Acids, Etch solutions
- Alcohol, Creams, Lotions, Essential oils, Mouthwashes
- Plating solutions, Wash solutions, Paints, Resins, Varnishes
- Potable water, Resin trap, Pre/Post UV, Membrane protection

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SupaPore PPG Technical Data

Dimensions

Outside Diameter:	Standard 10"	Junior 5"
	68.5mm	55.5mm
Typical Surface Area:	0.4 - 0.62m ² (Per 10")	0.15 - 0.24m ²

Sterilisation and Sanitisation*1

Steam or Autoclave	121°C for 15 mins (40 cycles) 135°C for 30 mins (5 cycles)
Hot Water:	90°C for 30 mins (0.2 bar Δp max)

*Applies to single open end cartridges only. For all steaming and hot water applications, the Glass Filled end cap option must be used.

Maximum Operating Conditions

Temperature: 80°C

Recommended Maximum Differential Pressure:

Forward Flow: 4.0 Bar @ 20°C

Reverse Flow: 3.5 Bar @ 20°C

Recommended change-out differential pressure: 2.5 Bar

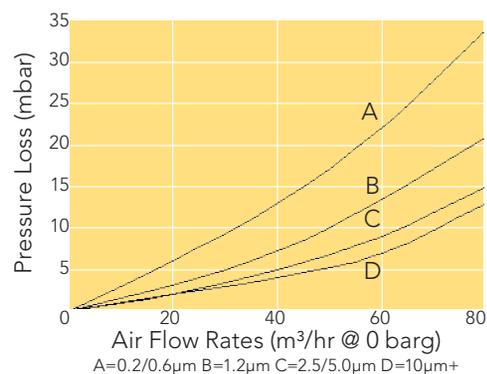
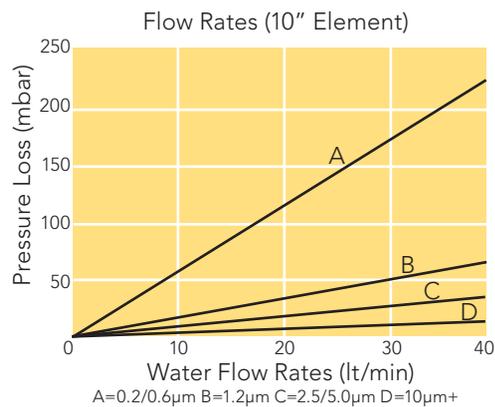
Materials of Construction

Filter Media: Polypropylene (PP)

Cage, Core & End Caps: P - Polypropylene (PP)

D - Polypropylene Cage and Endcaps, Glass Filled PP Core

Product validation guide available on request. All SupaPore PPG cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.



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