

FTECH-PORE PPG

PLEATED DEPTH FILTER CARTRIDGE

Ftech-Pore PPG Microfiltration cartridges have been designed as an effective membrane prefilter and as final polishing filters for many liquid processing applications.

Manufactured using 100% polypropylene media, drainage layers and hardware, the Ftech-Pore 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 chemical & water treatment processes.

The construction utilises thermal welding techniques to seal all the components therefore eliminating adhesives and extractables and optimising cartridge integrity. Ftech-Pore PPG cartridges use pleated depth media and are available in standard diameter and Junior sizes with micron ratings from 0.5µm to 40µm in the full range of industry standard lengths and end cap styles.

Product Features

- 100% polypropylene construction
- Absolute removal ratings Beta ratio 1000
- No fibre migration
- Modular construction
- Standard and Junior configurations
- Materials meet US FDA Title 21 and USP Class VI requirements

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 stainless steel support ring or the glass filled end-cap option)

Filtertechnik 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.



Ftech-Pore PPG 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
- Wide chemical compatibility using 100% polypropylene to meet FDA requirements
- Range of Absolute ratings from 0.5 to 40µm
- Thermal bonding process eliminates adhesives and ensures minimal extractables
- Identification mark on every cartridge
- Full product guide available

Technical data

Dimensions

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

Sterilisation and Sanitisation*1

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

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

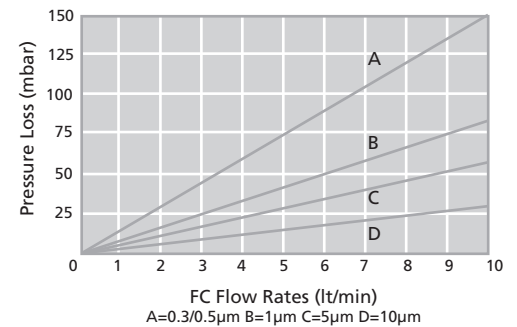
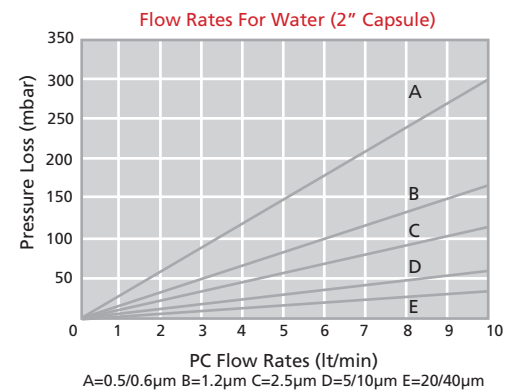
Maximum Operating Conditions

Temperature:	80°C
Recommended Maximum Differential Pressure:	
Forward Flow:	4.0 Bar @ 20°C
Reverse Flow:	3.5 Bar @ 20°C

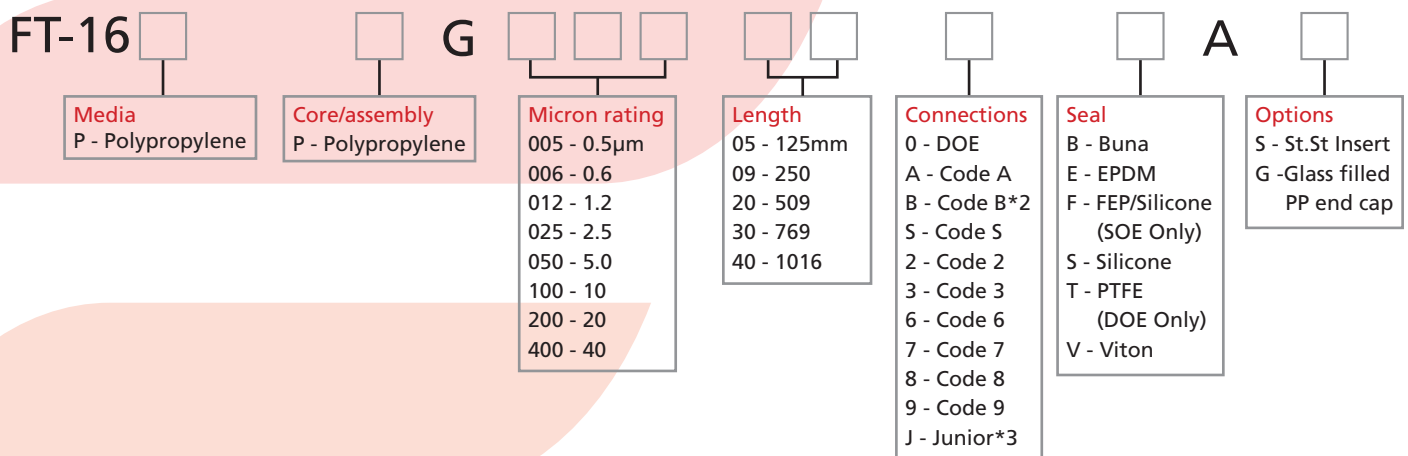
Product validation guide available on request. All SUPAPORE FPG cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

Materials of Construction

Filter Media: Polypropylene (PP)
Cage, Core & End Caps: Polypropylene (PP)



Ordering guide



Industries and applications

- **Food and Beverage:** Bottled water, Beers, Wines, Flavours, Polishing lines, Clarification
- **Pharmaceutical:** Membrane pre-filtration, Ophthalmics, Oral medications, Serum
- **Fine Chemicals:** Polymers, Photoresists, Acids, Bases, Solvents
- **Electronics:** High purity water, Photo resists, Acids, Etch solutions
- **Cosmetics:** Alcohol, Creams, Lotions, Essential oils, Mouthwashes
- **Metal Finishing:** Plating solutions, Wash solutions, Paints, Resins, Varnishes
- **Water Treatment:** Potable water, Resin trap, Pre/Post UV, Membrane protection