



SUPAPORE CAPSULES

PLEATED MEDIA FILTER CARTRIDGES

SUPAPORE pleated depth media capsules are fully disposable filter units for small and medium scale liquid and gas processing applications. They are ready-to-use, avoiding the need to purchase or maintain filter housings and are easy to change-out with minimum downtime. The filtration unit is permanently enclosed inside the capsule shell to minimise post-use cleaning and operator exposure to process fluids.

SUPAPORE capsules are available with pleated polypropylene or Borosilicate Glass microfibre media and offered with a range of inlet/outlet connections to suit most process systems. The filters are supplied in a wide range of lengths from 50mm to 750mm long.

SUPAPORE PC Capsules

- 100% polypropylene construction
- Absolute removal ratings
- Wide chemical compatibility

SUPAPORE FC Capsules

- Borosilicate Glass Microfibre media
- 100% polypropylene hardware
- Absolute removal ratings
- Wide chemical compatibility

Product Features

- Thermally bonded and adhesive free construction
- Capsules are non-pyrogenic and can be autoclaved
- Materials meet US FDA CFR Title 21 requirements
- Available in a range of grades and pore sizes
- Manufactured in clean room facilities under ISO quality system

Industries and applications

- Development and pilot plant applications
- Equipment requiring filtration e.g. laboratory water treatment systems, printing equipment etc
- Hospital critical water applications e.g. endoscope washing machines, dialysis equipment
- Venting and process air filtration
- Manufacturers of small or medium size batches of products where batch to batch cleaning is an issue
- Multi-purpose plants where flexibility is needed

SUPAPORE CAPSULES FEATURES AND BENEFITS

- Fully disposable unit avoids the need to purchase a filter housing
- Ready to use for easy filter change-out and minimum downtime
- Enclosed filter unit minimises operator exposure and post-use cleaning
- Wide range of inlet and outlet connections available so suitable for most process systems
- All polymer construction
- Full product validation guide available



Technical data

Dimensions

Outside Diameter: 90mm

Filter Module Length	Nominal Capsule Length (Hose Barb connections)	Nominal Media Surface Area
50mm (2")	127mm	0.09m ²
125mm (5")	220mm	0.26m ²
250mm (10")	339mm	0.54m ²
500mm (20")	582mm	1.08m ²
750mm (30")	824mm	1.62m ²

Sterilisation and Sanitisation*1

Autoclave: 127°C for 20 mins (multiple cycles)
Hot Water: Up to 90°C

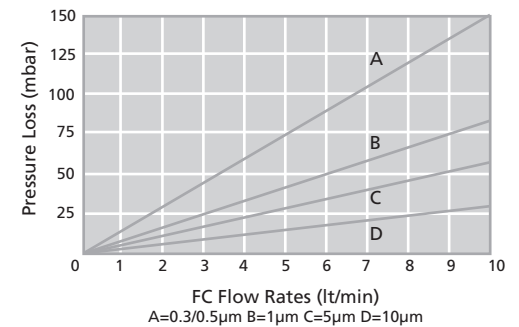
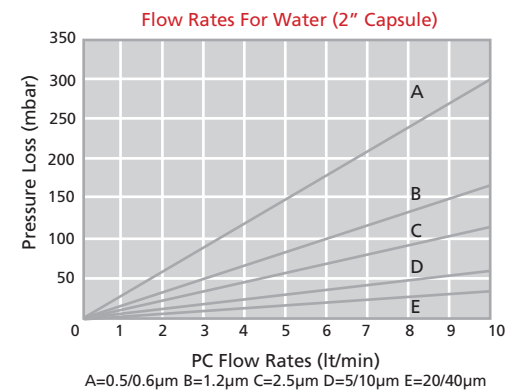
Maximum Operating Conditions

Maximum Temperature: 43°C @ 2.0 Bar
Maximum Pressure: 5.5 Bar @ 20°C (Liquid)
4.1 Bar @ 20°C (Gas)
Max Differential Pressure: 3.4 Bar @ 20°C Forward Flow
2.7 Bar @ 20°C Reverse Flow

Materials of Construction

Filter media: P – Polypropylene
F – Borosilicate Glass Microfibre
Media Support: Polypropylene
Capsule Assembly: Polypropylene
Vent and Drain Valves: Polypropylene Luer-Lok

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



Ordering guide

