

SUPAPORE CAPSULES

AMAZON

PLEATED DEPTH MEDIA FILTER CAPSULES

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



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

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

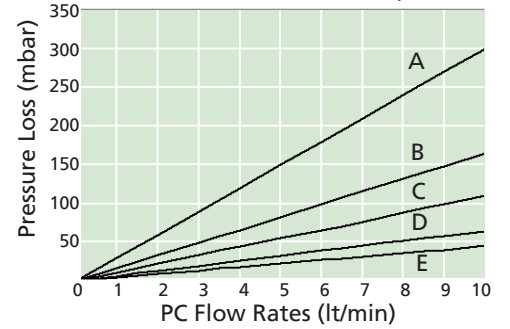
Media Support: Polypropylene

Capsule Assembly: Polypropylene

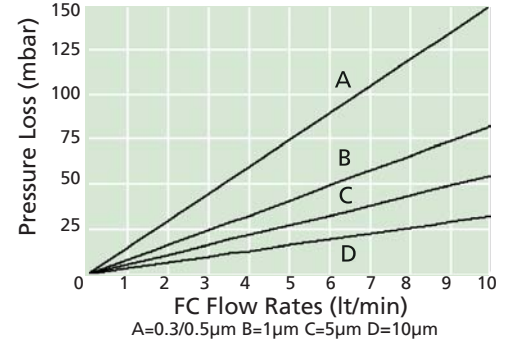
Vent and Drain Valves: Polypropylene Luer-Lok

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

Flow Rates For Water (2" Capsule)



A=0.5/0.6µm B=1.2µm C=2.5µm D=5/10µm E=20/40µm



A=0.3/0.5µm B=1µm C=5µm D=10µm

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

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