

# SUPAPORE CAPSULES

## Pleated Depth Media 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



## 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

## 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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# SupaPore Capsules Technical Data

## Dimensions

Outside Diameter: 90mm

Filter Module Length	Nominal Capsule Length (Hose Barb connections)	Nominal Media Surface Area	Capsule Volume (litres)
50mm (2")	127mm	0.09m <sup>2</sup>	0.23
125mm (5")	220mm	0.26m <sup>2</sup>	0.57
250mm (10")	339mm	0.54m <sup>2</sup>	1.0
500mm (20")	582mm	1.08m <sup>2</sup>	1.9
750mm (30")	824mm	1.62m <sup>2</sup>	2.8

## Sterilisation and Sanitisation

Autoclave: 127°C for 30 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

Recommended change-out differential pressure: 2.5 Bar

## Materials of Construction

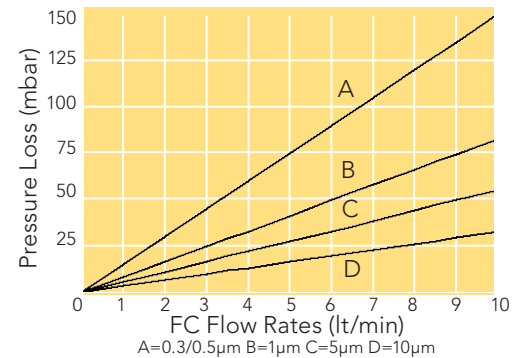
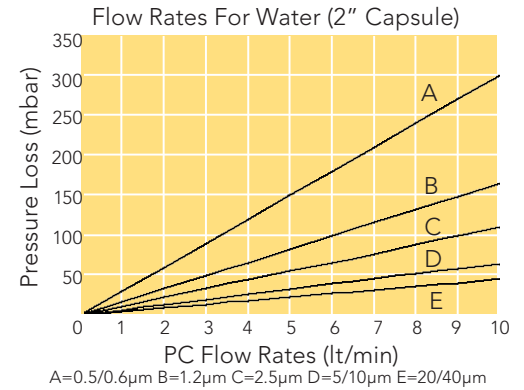
Filter media: P – Polypropylene or  
F – Borosilicate Glass Microfibre

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.



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