

# 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 and two diameters of 75mm and 90mm.

### SupaPore PC Capsules Polypropylene

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

### SupaPore FC Capsules Glass microfibre

- 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 multiple times
- 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 (JUNIOR capsule 75mm)

Filter Module Length	Nominal Capsule Length (Hose Barb connections)	Typical Surface Area	Capsule Volume (Litre)
50mm (2")	127mm	0.09m <sup>2</sup>	0.23
125mm (5")	220mm	0.28m <sup>2</sup>	0.57
250mm (10")	339mm	0.65 - 0.70m <sup>2</sup>	1.0
500mm (20")	582mm	1.3 - 1.40m <sup>2</sup>	1.9
750mm (30")	824mm	1.95 - 2.10m <sup>2</sup>	2.8
JUNIOR 50mm (2")	122mm	0.04m <sup>2</sup>	0.11

## Sterilisation and Sanitisation\* Applies to non gamma sterilised option only

Steam or Autoclave: 125°C for 60 mins (10 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

## Standard Materials of Construction

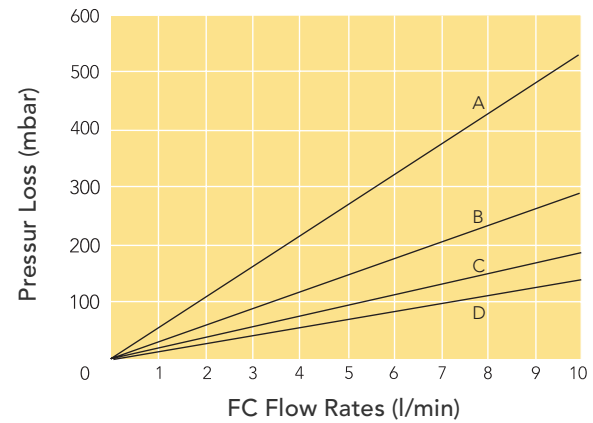
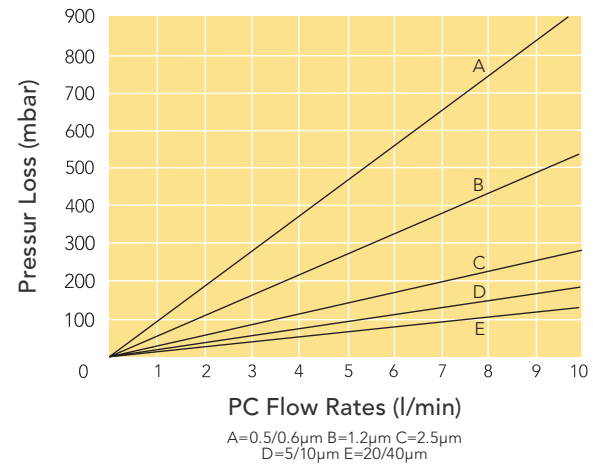
Filter media: Polypropylene (P)  
Borosilicate Glass Microfibre (F)

Media Support: Polypropylene

Assembly: Polypropylene

Validation guide and Integrity test data 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)



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16FC/PC-Issue 04