

SUPASpun CAPSULES

Absolute Rated Depth Capsules



SupaSpun absolute rated depth capsules are fully disposable filter units for small and medium scale liquid 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.

SupaSpun capsules are available with absolute rated spun bonded depth filter media and offered with a range of inlet/ outlet connections to suit most process systems.

The filters are supplied in a range of lengths from 50mm to 250mm long.

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 pore sizes
- Manufactured in clean room facilities under ISO quality system



SupaSpun Capsules

- Spun bonded depth media
- All polypropylene media
- 100% polypropylene hardware
- Available in a range of Absolute removal ratings

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.
- Bioburden reduction in pharmaceutical and laboratory processes
- Paint and Coatings for fine polishing and small batch runs
- Manufacturers of small or medium size batches of Chemicals where batch to batch cleaning is an issue
- Multi-purpose plants where flexibility is needed

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SupaSpun Capsules Technical Data

Dimensions

Outside Diameter: 90mm

Filter Module Length	Nominal Capsule Length (Hose Barb connections)	Capsule Volume (Litre)
50mm (2")	147mm	0.23
125mm (5")	220mm	0.57
250mm (10")	339mm	1.0

Sterilisation and Sanitisation * Applies to non gamma sterilised option only

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

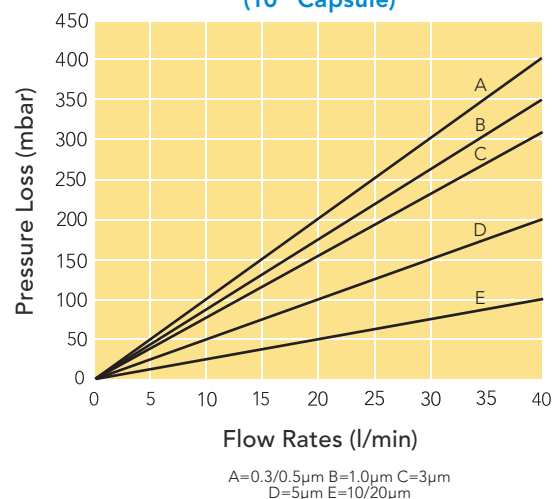
Filter media: Polypropylene (P)

Media Support: Polypropylene (P)

Assembly: Polypropylene (P)

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

Flow Rates For Water (10" Capsule)



Ordering Guide

04PC	005 -	09	A	A	A
Media	Micron Rating	Length	Inlet	Outlet	Branding
PC - Polypropylene	00X - 0.3µm 000 - 0.5 001 - 1.0 002 - 2.0 003 - 3.0 005 - 5.0 010 - 10 020 - 20 030 - 30 050 - 50 070 - 70 090 - 90 120 - 120 150 - 150 180 - 180	02 - 147mm 05 - 220 09 - 339	A - 8.5-16mm Hosebarb B - ¼" NPT 'M' C - ¼" NPT 'F' D - ¾" NPT 'F' E - ½" NPT 'M' F - ½" NPT 'F' G - 1" Sanitary Flange BS4825	A - 8.5-16mm Hosebarb B - ¼" NPT 'M' C - ¼" NPT 'F' D - ¾" NPT 'F' E - ½" NPT 'M' F - ½" NPT 'F' G - 1" Sanitary Flange BS4825	A - Amazon
Example: 04PC005-09GAA = Polypropylene media, 5.0µm, 10" long, Sanitary Flange inlet and Hosebarb outlet					

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