

SUPACAP PP

Meltblown Depth Filter Capsules



SupaCap PP absolute rated meltblown 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.

SupaCap PP meltblown depth 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 grades and pore sizes
- Manufactured in clean room facilities under ISO quality system

SupaCap PP Meltblown Depth Capsules -

- Spun bonded depth media
- 100% polypropylene construction
- 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
- Ergonomically designed vents making them easy to grip
- Positive sealing with 'o' rings rather than face to face sealing, guaranteeing no leaks during integrity tests
- Filter module welded to capsule body to eliminate internal endcap seals
- 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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SupaCap PP Technical Data

Dimensions

Outside Diameter: 90mm

Sterilisation and Sanitisation

Autoclave: 121°C for 25 Cycles of 30 mins each

Hot Water: Up to 90°C

Maximum Operating Conditions

Maximum Temperature: 43°C @ 2 bar

Maximum Pressure: 5.5 bar @ 20°C (Liquid)

4.1 bar @ 20°C (Gas)

Maximum Differential Pressure: 3.4 bar @ 20°C (Forward flow)

2.7 bar @ 20°C (Reverse flow)

Recommended change-out differential pressure: 2.5 Bar

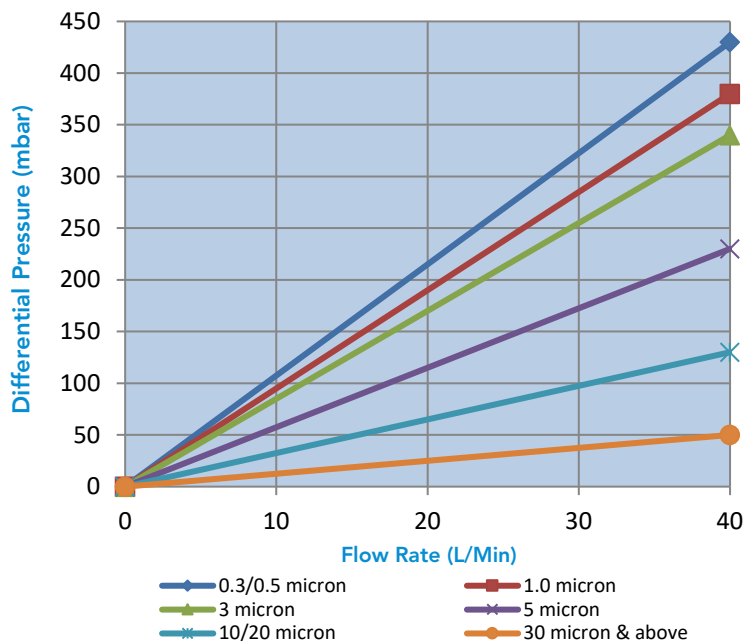
Standard Materials of Construction

Filter Media: Polypropylene

Media Support: Polypropylene

Assembly: Polypropylene

Flow Rates - Water (10" filter capsule with sanitary connections)



Ordering Guide

1704PP	050 -	09	G	S	A	Mixed Connections*1	
Media	Micron Rating (µm)	Length (mm)	Paired Connections	Vent Seal	Branding	Inlet	Outlet
1704PP - Polypropylene	00X - 0.3 000 - 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 - 75 (2") 05 - 155 (5") 09 - 268 (10") 20 - 518 (20") 30 - 767 (30")	A - 8.5-16mm Hosebarb Tapered B - 1/4" NPTM C - 1/4" NPTF D - 3/8" NPTF G - 1" Sanitary Flange BS4825 J - 12mm Hosebarb Straight M - Mixed Inlet & outlet connections (All connections are the same for inlet and outlet. Different combinations are available by choosing the M option in this column and then specifying the combination of inlet and outlet connections required in the suffixes at the end of the part number. e.g: 1716VPB001-09MSAGA)	E - EPDM S - Silicone V - Viton	A - Amazon	A B C D G J	A B C D G J
Example: 1704PP050-09GSA = Absolute Polypropylene media, 50µm, 10" long, 1" sanitary flange connections and Silicone seal. *1 - See Paired Connections column for individual connection description							

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