

SUPAPORE CAPSULES

AMAZON

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



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

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 ²	0.23
125mm (5")	220mm	0.26m ²	0.57
250mm (10")	339mm	0.54m ²	1.0
500mm (20")	582mm	1.08m ²	1.9
750mm (30")	824mm	1.62m ²	2.8

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 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.

ORDERING GUIDE

MEDIA	MICRON RATING	LENGTH	INLET	OUTLET	OPTIONS
P – Polypropylene F – Borosilicate Glass Microfibre	FC 003 - 0.3µm 005 - 0.5 010 - 1.0 050 - 5.0 100 - 10 PC 005 - 0.5µm 006 - 0.6 012 - 1.2 025 - 2.5 050 - 5.0 100 - 10 200 - 20 400 - 40	02 - 127mm 05 - 220 09 - 339 20 - 582 30 - 824	A - 8.5-16mm Hosebarb B - ¼" NPT 'M' C - ¼" NPT 'F' D - ⅜" NPT 'F' E - ½" NPT 'M' F - ½" NPT 'F' G - 1 ½" Sanitary Flange	A - 8.5-16mm Hosebarb B - ¼" NPT 'M' C - ¼" NPT 'F' D - ⅜" NPT 'F' E - ½" NPT 'M' F - ½" NPT 'F' G - 1 ½" Sanitary Flange	

Example: 16PCG012-20GAA = Polypropylene media, 1.2µm, 20" long, Sanitary Flange inlet and Hosebarb outlet.

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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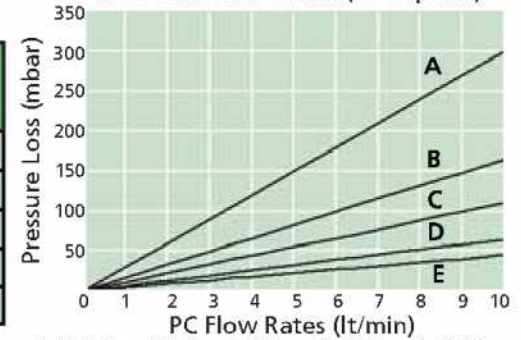
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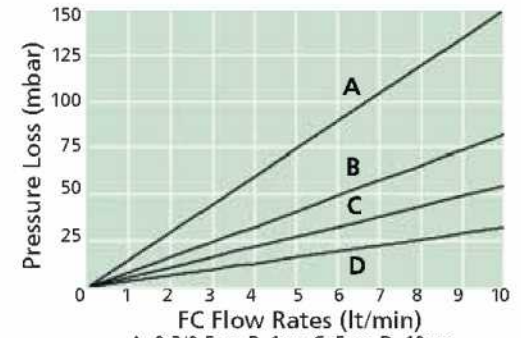
Purement efficace

Contact: JC DUBOIS (Ingénieur commercial)
Tél.: 03 80 10 08 24
Fax: 06 07 18 94 93
Mail: filtration@beulieu.fr

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

SUPAPORE CAPSULES

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CAPSULES MEMBRANE PLISSÉE

Les capsules de microfiltration SUPAPORE sont des éléments à usage unique pour les applications petit et moyen volumes en liquide et gaz. Elles sont prêtes à l'emploi, évitant l'achat et la maintenance de carters. L'unité de filtration est enfermée dans la capsule pour éviter le nettoyage et l'exposition des opérateurs.

Les capsules SUPAPORE sont disponibles en membrane plissée PES (polyethersulphone) ou PTFE et proposent une gamme de connections pour s'adapter à la plupart des systèmes existants.

Les filtres sont fournis dans des longueurs allant de 50mm à 750mm.

Capsules SUPAPORE VC

- Membrane PES naturellement hydrophile
- Faible re largage de protéines
- Bloc 100% polypropylène
- Grade absolu
- Testable

Capsules SUPAPORE TC

- Membrane PTFE naturellement hydrophobe
- Bloc 100% polypropylène
- Grade absolu
- Testable

Caractéristiques Produit

- Construction thermo soudée et sans adhésifs
- Capsules non pyrogènes et autoclavables
- Matériaux répondant aux exigences US FDA CFR Title 21
- Différents grades
- Fabriqué en sale blanche sous système qualité ISO



SUPAPORE CAPSULES AVANTAGES

- Système jetable évitant l'achat de carter
- Prêt à l'emploi
- Unité de filtration enfermée dans la capsule pour éviter le nettoyage et l'exposition des opérateurs
- Large gamme de connections pour s'adapter à la plupart des systèmes existants
- Construction 100% polymère
- Guide de validation disponible

SUPAPORE CAPSULES

DONNÉES TECHNIQUES

Dimensions

Diamètre Extérieur: 90mm

Longueur du module	Longueur Nominale Capsule (Connections Hose Barb)	Surface Filtrante	VOLUME Capsule (Litres)
50mm (2")	127mm	0.09m ²	0.23
125mm (5")	220mm	0.28m ²	0.57
250mm (10")	339mm	0.65 - 0.70m ²	1.0
500mm (20")	582mm	1.3 - 1.40m ²	1.9
750mm (30")	824mm	1.95 - 2.10m ²	2.8

Stérilisation et Sanitisation

Autoclave: 127°C pendant 20 mins (cycles multiples)

Eau Chaude : Jusqu'à 90°C

Conditions maximales d'utilisation

Température maximale: 43°C @ 2.0 Bar

Pression maximale: 5.5 Bar @ 20°C (Liquide)
4.1 Bar @ 20°C (Gaz)

Pression Différentielle Maximale: 3.4 Bar @ 20°C (Sens Normal)
2.7 Bar @ 20°C (Sens Inverse)

Matériaux de construction

Média: V - Polyethersulphone (PES) ou
T - Polytetrafluoroethylene (PTFE)

Média Support: Polypropylène

Capsule: Polypropylène

Event et Purge : Polypropylène Luer-Lok

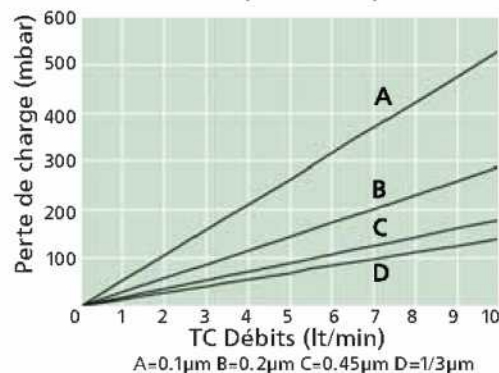
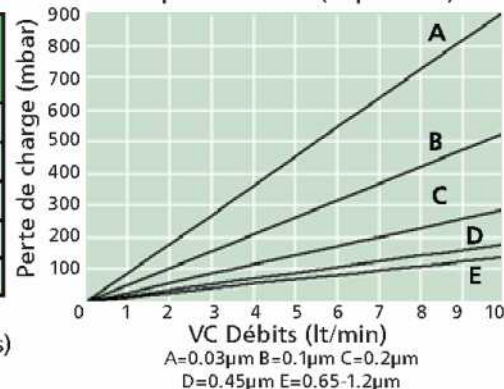
Challenge bactérien

16VCB002: LRV>10¹¹ (Brevundimonas diminuta (ATCC 19146))

16VCB004: LRV>10⁸ (Serratia marcescens (ATCC 14756))

Guide de validation et valeurs de test d'intégrité disponibles sur demande. Toutes les capsules SUPAPORE sont fabriquées sous contrôle strict avec numéro de lot donnant une traçabilité complète de tous les composants.

Débit pour de l'eau (Capsule 2")



NOMENCLATURE

MÉDIA	GRADE	MICRONAGE	LONGUEUR	ENTREE	SORTIE	OPTIONS
V - Polyether-sulphone T - PTFE	G - Général B - Biologique	PES 00A - 0.03µm 001 - 0.1 002 - 0.2 004 - 0.45 006 - 0.65 008 - 0.8 010 - 1.0 PTFE 001 - 0.1µm 002 - 0.2 004 - 0.45 010 - 1.0 030 - 3.0	02 - 127mm 05 - 220 09 - 339 20 - 582 30 - 824	A - 8.5-16mm Hosebarb B - 1/4" NPT 'M' C - 1/4" NPT 'F' D - 3/8" NPT 'F' E - 1/2" NPT 'M' F - 1/2" NPT 'F' G - 1 1/2" Clamp	A - 8.5-16mm Hosebarb B - 1/4" NPT 'M' C - 1/4" NPT 'F' D - 3/8" NPT 'F' E - 1/2" NPT 'M' F - 1/2" NPT 'F' G - 1 1/2" Clamp	

Exemple: 16VCB002-20GAA = Média PES, 0.2µm, 20, Entrée Clamp et Sortie Hosebarb

INDUSTRIES ET APPLICATIONS

- Développement et pilotes
- Equipements nécessitant une filtration (ex. systèmes eau de laboratoire, imprimante jet d'encre, ...)
- Applications critiques hospitalières (ex. Laveurs d'endoscope, dialyse, ...)
- Event et filtration air process
- Fabricants de lots petits et moyens volumes

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