

CAPSULE FILTERS WITH PLEATED PTFE MEMBRANE – CAP-PORE-CP TF

Cap-Pore-CP microfiltration membrane capsules are fully disposable filter units for small to medium gas volumes and liquid handling applications, they are simple and quick to replace.

The filtering portion is enclosed within the capsule to minimise operator exposure to process fluids. Cap-Pore-CP capsules are available in a wide range of connections and sizes to fit most process systems.

SPECIFICATIONS

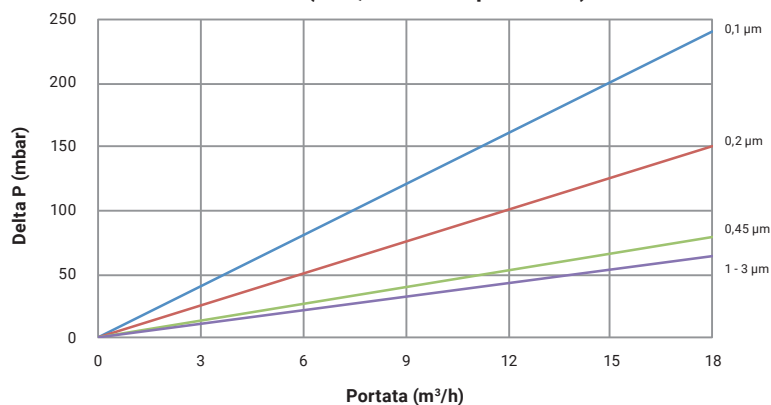
- Pleated hydrophobic PTFE filter membrane
- Hardware 100% polypropylene
- Heat-sealed, adhesive-free construction
- Non-pyrogenic and autoclave sterilisable
- Available in different degrees of filtration
- Materials meet FDA-CFR requirements
- Produced in clean rooms in accordance with the ISO quality system
- Integrity test

APPLICATIONS

- Development and applications for pilot plants
- Equipment requiring the filtration of gases and liquids
- Process air bleeding and filtration
- Production of small to medium batches
- Multi-purpose systems where flexibility is required



Portata (Aria, 2" – 0 bar pressione)



Module length	Capsule length	Filtering surface area	Capsule Volume
mm	mm	m ²	l
Junior 50 (2")	122	0.05	0.11
50 (2")	127	0.09	0.23
125 (5")	220	0.28	0.57
250 (10")	339	0.70	1.0
500 (20")	582	1.40	1.9
750 (30")	824	2.10	2.8



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TECHNICAL DATA

Dimensions

- Outer diameter 90 mm (Junior capsule 75 mm)

Sterilisation and sanitisation

- Autoclave 135°C for 30 min (25 cycles)
- In hot water up to 90°C

Max. operating conditions

- Max temperature 43°C @ 2.0 bar
- Max pressure 5.5 bar @ 20°C (Liquids)
4.1 bar @ 20°C (Gases)
- Max. diff. pressure 3.4 bar @ 20°C (Normal flow)
2.7 bar @ 20°C (Reverse flow)
- Recommended differential pressure for replacement 2.5 bar

Building materials

- Filter media Polytetrafluoroethylene (PTFE)
- Support media Polypropylene
- Capsule body Polypropylene



COMPOSITION CODE	CP	TF	G	01	09	A	A
	Mod	Filter Media Material	Use	Degree of filtration	Length	Inlet Connection	Outlet Connection
		TF PTFE	G General B Biological	01 = 0.1 µm 02 = 0.2 µm 04 = 0.45 µm 10 = 1 µm 30 = 3 µm	Junior 03 = 122 mm Standard 05 = 127 mm 09 = 220 mm 13 = 339 mm 23 = 582 mm 32 = 824 mm	Junior Capsule H - 3 mm Hose connector I - 6 mm Hose connector J - 12 mm Hose connector K - 1/2" Sanitary Flange BS4825 L - Luer-Lok Standard Capsule A - 8.5-16 mm Conical hose connector B - 1/4" NPTM C - 1/4" NPTF D - 3/8" NPTF E - 1/2" NPTM F - 1/2" NPTF G - 1" Sanitary Flange BS4825	Junior Capsule H - 3 mm Hose connector I - 6 mm Hose connector J - 12 mm Hose connector K - 1/2" Sanitary Flange BS4825 L - Luer-Lok Standard Capsule A - 8.5-16 mm Conical hose connector B - 1/4" NPTM C - 1/4" NPTF D - 3/8" NPTF E - 1/2" NPTM F - 1/2" NPTF G - 1" Sanitary Flange BS4825