

POLIFLO II CAPSULES

POLYPROPYLENE & GLASS FIBRE E63

- 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

Poliflo II 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 housing 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.



Poliflo II 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 50 mm to 750 mm long.

Poliflo II CF Capsule

- Borosilicate Glass Microfibre media
- 100% polypropylene hardware
- Available absolute removal ratings
- Wide chemical compatibility

Poliflo II CP Capsule

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

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

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 size
- Manufactured in clean room facilities under ISO quality system
- All polymer construction
- Full product validation guide available

Dimensions

Filter Module Length	Nominal Capsule Length (Hose Barb connections)	Nominal Media Surface Area	Capsule Volume (Litres)
50 mm (2")	127 mm	0.09 m ²	0.23
125 mm (5")	220 mm	0.26 m ²	0.57
250 mm (10")	339 mm	0.54 m ²	1.0
500 mm (20")	582 mm	1.08 m ²	1.9
750 mm (30")	824 mm	1.62 m ²	2.8

Outside Diameter:
90mm

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

Maximum Operating Conditions

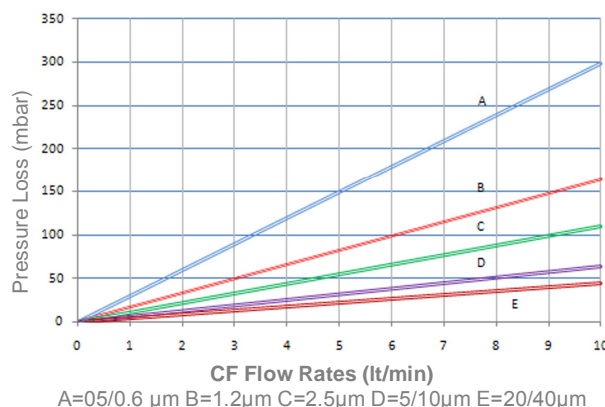
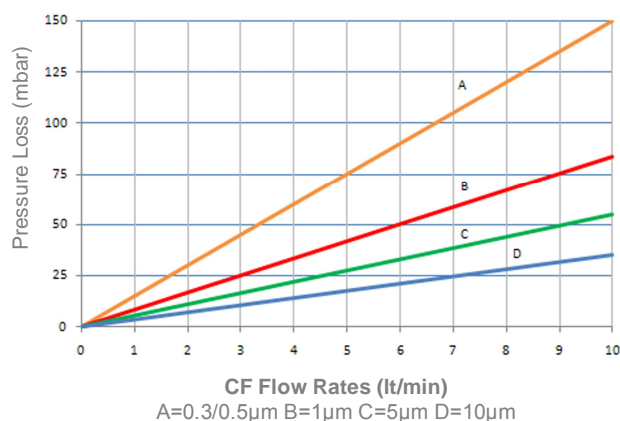
Maximum Temperature: 43°C @ 2.0 Bar
Maximum Pressure: 5.5 Bar @ 20°C (liquid)
4.1 Bar @ 20°C (Gas)
Max Differential Pressure: 3.4 Bar @ 20°C Forward Flow
2.7 Bar @ 20°C Reverse Flow

Sterilisation and Sanitisation

Autoclave: 127°C for 20 mins (multiple cycles)

Hot Water: Up to 90°C

Flow Rates for Water (2" Capsule)



Product validation guide available on request. All **Poliflo II Capsules** are manufactured under strict control with batch number identification, giving full traceability on all components.

Ordering Guide

Media	Nominal Length	Micron Rating µm		Inlet	Outlet	Option	
P - Polypropylene	02 - 127mm	FP 003 - 0.3	PP 005 - 0.5	A - 8.5 - 16 mm Hosebarb	A - 8.5 - 16 mm Hosebarb		
	05 - 220mm	005 - 0.5	006 - 0.6	B - 1/4" NPT 'M'	B - 1/4" NPT 'M'		
F - Borosilicate Glass Microfibre	09 - 339mm	010 - 1.0	012 - 1.2	C - 1/4" NPT 'F'	C - 1/4" NPT 'F'		
	20 - 582mm	050 - 5.0	025 - 2.5	D - 3/8" NPT 'F'	D - 3/8" NPT 'F'		
	30 - 824mm	100 - 10	050 - 5.0	100 - 10	E - 1/2" NPT 'M'	E - 1/2" NPT 'M'	
				200 - 20	F - 1/2" NPT 'F'	F - 1/2" NPT 'F'	
		400 - 400	G - 1/1 1/2" Sanitary Flange	G - 1/1 1/2" Sanitary Flange			



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