

Hall Pyke



Membrane Filtration

Biofil™ Junior

The SMART choice for filtration

Biofil™ Junior

Polyethersulphone Membrane Cartridge Filters for Small-Scale Applications

Materials of Manufacture

Filter membrane:	Polyethersulphone	Inner core:	Polypropylene
Membrane support:	Polypropylene	Outer support:	Polypropylene
Irrigation mesh (support):	Polypropylene	End fittings:	Polypropylene
Drainage layer:	Polypropylene	Support ring:	Stainless steel

Cartridge Dimensions (Nominal)

Diameter:	70mm (2.8")	Length:	77.5mm (2.5") 136mm (5")
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Gaskets and O-Rings

J-style: Silicone (other materials are available on request).
S-style: Not supplied.

Maximum Differential Pressure

Normal flow direction at:
20°C (68°F): 6.0bar (87psi)
80°C (176°F): 4.0bar (58psi)
100°C (212°F): 3.0bar (43psi)
120°C (248°F): 2.0bar (29psi)

Operating Temperature

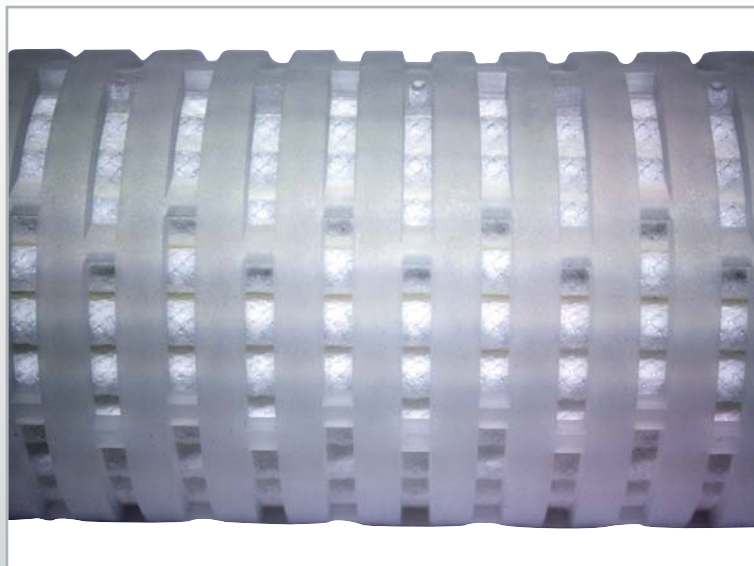
Maximum continuous: 60°C (140°F)

Effective Filtration Area

Absolute Microbial Rating	Effective Filtration Area (for each 5" cartridge)
0.04, 0.1, 0.2, 0.45, 0.65 and 1.2µm	0.19m ² (2.05ft ²)

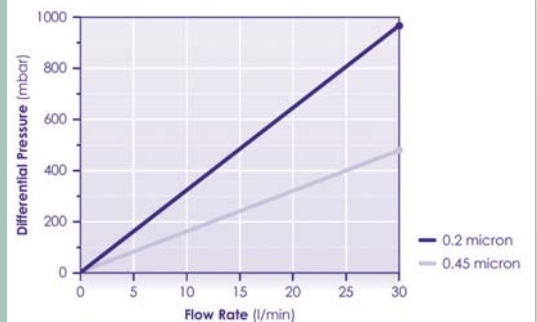
Applications

- Small-scale biopharmaceuticals
- Electronics and semiconductors
- Pilot-scale studies
- Ophthalmic solutions
- Small-scale fine chemicals
- Point-of-use water supply



Clean Water Flow Rates

Flow Characteristics



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www.hallpyke.ie

Head Office, 3A Sunbury Industrial Estate, Ballymount Road, Walkinstown, Dublin 12.
T. +353-1-4501411 F. +353-1-4507960 E. info@hallpyke.ie W. www.hallpyke.ie