

Hall Pyke



Membrane Filtration

Hydrofil™ HT

The SMART choice for filtration

Hydrofil™ HT

Nylon 6.6 Membrane Cartridge Filters

A range of microbially rated cartridge filters from Porvair Filtration Group, featuring the latest developments in membrane technology, Hydrofil™ HT cartridges are based on a naturally hydrophilic nylon membrane. When combined with quality all-polypropylene cartridge components and high integrity manufacturing techniques common to all Porvair cartridge filters, the nylon membrane provides a high strength, long life cartridge of consistently precise particle retention across a wide range of particle sizes.

Features and Benefits

- **Guaranteed microbial ratings**
Hydrofil™ HT cartridges are validated for bacterial removal according to HIMA guidelines and ASTM F838-05, with a log reduction value >7. They are therefore suitable for applications requiring sterilising grade filtration.
- **Excellent chemical compatibility**
- **Cartridge integrity and low TOC levels**
Each Hydrofil™ HT module of every cartridge is individually integrity tested. Each complete filter cartridge is flushed with pure water which is inspected daily for pyrogens using the standard LAL test. When required, they can be pulse flushed with 18MΩ.cm pyrogen-free ultra-clean water.
- **Suitable for steam sterilising**
- **Full traceability**

Materials of Manufacture

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

Gaskets and O-Rings

FDA approved Ethylene Propylene, PTFE encapsulated, Silicone or Nitrile.

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)

Extractables

Minimum total extractables. Please refer to the Hydrofil™ HT Validation Guide.

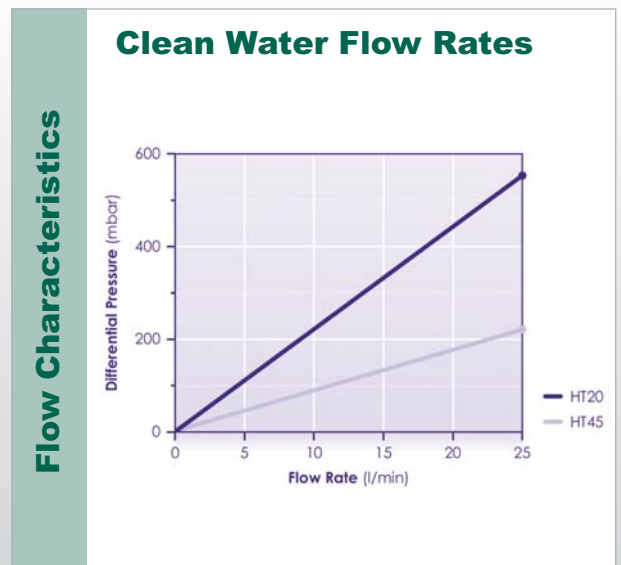
Effective Filtration Area

Absolute Microbial Rating	Effective Filtration Area (each 254mm (10") module)
0.1, 0.2 and 0.45µm	0.69m ² (7.4ft ²)



Applications

- **Biopharmaceuticals**
For the sub-micronic filtration of ingredients, intermediates, make-up waters and final products, including sterilisation, clarification and bioburden reduction.
- **Electronics and semiconductors**
For the sub-micronic filtration of process water and chemicals, including solvents, developers and photoresists. Applications typically include central water plant treatment and critical 'wet bench' point of use filtration.
- **Fine chemicals**
- **Beverages**
- **Pure water supply**



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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