

Hall Pyke



Surface Pre Filtration

Cryptofil™

The SMART choice for filtration

Cryptofil™

Designed for the Removal of Cryptosporidium Oocysts

Cryptofil™ filter cartridges are utilised for the control of Cryptosporidium oocysts in water used in the food, beverage and ultrapure water industries.

The Cryptofil™ cartridge has been developed after extensive research and has resulted in filter media with continuously graded fibre density. This yields progressively finer oocyst retention through the depth of the media.

Features and Benefits

- Guaranteed removal ratings

Cryptofil™ cartridges have been independently tested to ensure >log4 removal of Cryptosporidium parvum oocysts.

Materials of Manufacture

Filter media:	Polypropylene	Outer support:	Polypropylene
Support layers:	Polypropylene	End fittings:	Polypropylene
Inner core:	Polypropylene	Support ring:	Stainless steel

Gaskets and O-Rings

Ethylene Propylene, PTFE encapsulated, Silicone, Viton, Nitrile or Polypropylene felt.

Maximum Differential Pressure

Normal flow direction at:

20°C (68°F): 6.0 bar (87lb/in2)	120°C (248°F): 2.0 bar (29lb/in2)
80°C (176°F): 4.0 bar (58lb/in2)	125°C (248°F): 1.5 bar (29lb/in2)
100°C (212°F): 3.0 bar (43lb/in2)	

Operating Temperature

Maximum continuous: 80°C (176°F)

Integrity Testing

Each Cryptofil™ module of every cartridge is individually integrity tested using the Bubble Point Test. Procedural details are available from Porvair.

Effective Filtration Area

Up to 0.6m2 per 250mm module.



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Cryptofil™ continued...

Applications

Cryptofil™ cartridges provide absolute filtration where reproducibility and consistency of performance are critical. Cryptofil™ cartridges are recommended for the production of oocyst-free water in the following applications:

- Mineral Water
- Food Processing
- Leisure
- Embarkation Water Supply

Process water used in the manufacture of food stuffs and decontamination of process equipment. Recommended for use in fresh food preparation, such as fruit and salad washing.



Features

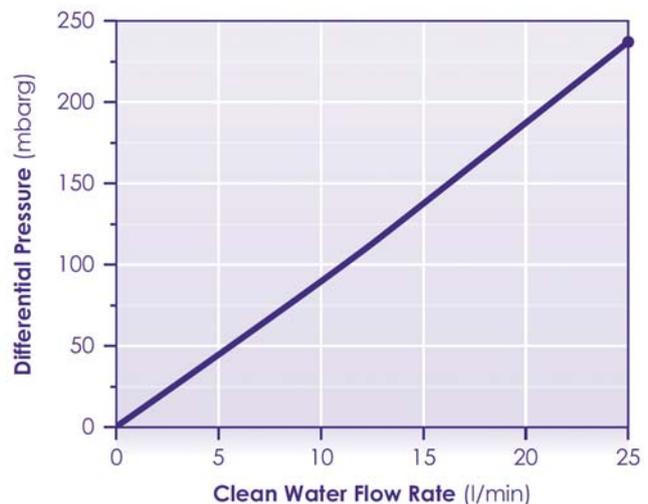
Product Attributes

RR	0.6µ absolute
MT	80 °C
MoC	Polypropylene
MDP	6 bar @20 °C
SA	.6m2 per 250mm module
Brand	Porvair
Q	FDA USP Class VI and EC directive for food contact

Flow Characteristics

Clean Water Flow Rates

- Typical clean water flow rate:
A 254mm (10") Cryptofil™ single cartridge exhibits the flow-ΔP characteristics indicated below, for solutions with a viscosity of 1 centipoise.
- Other solutions:
For solutions with a viscosity of greater than 1 centipoise, multiply the indicated differential pressure by the viscosity in centipoise.



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