

# Hall Pyke



**Surface Pre Filtration**

## **Microfil™ Junior**

**The SMART choice for filtration**

## Microfil™ Junior

### Absolute Rated Pleated Glass Fibre Cartridge Filters for Small-Scale Applications

A range of absolute rated cartridge filters from Porvair Filtration Group, designed for retrofitting into existing Junior-style housings. Featuring the latest developments in borosilicate glass fibre filter media technology, Microfil™ Junior cartridges are constructed from robust glass fibre and polypropylene filtration layers, offering removal ratings from 0.5 to 5 micron absolute.



### Features and Benefits

- Guaranteed removal ratings
- Microfil™ Junior cartridges are validated using the recognised industry standard modified OSU-F2 single pass test to Beta 5000 (99.98% efficiency).

### Materials of Manufacture

Filter media:	Glass fibre	Outer support:	Polypropylene
Prefiltration layer:	Polypropylene	End fittings:	Polypropylene
Support layers:	Polypropylene	Support ring:	Stainless steel
Inner core:	Polypropylene		

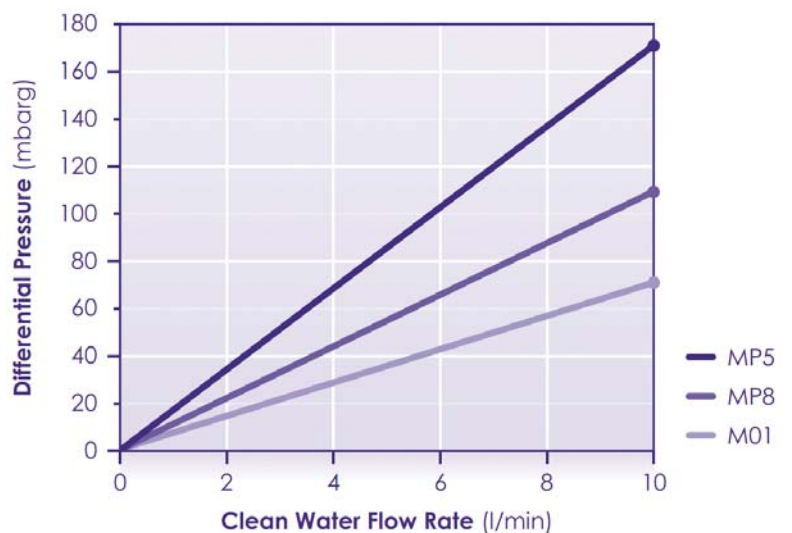
### Gaskets and O-Rings

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

### Flow Characteristics

#### Clean Water Flow Rates

- Typical clean water flow rate:  
A 254mm (10") Microfil™ GP single cartridge exhibits the flow- $\Delta P$  characteristics indicated below, for solutions with a viscosity of 1 centipoise.



## Microfil™ Junior continued...

### Operating Temperature

Maximum continuous: 60°C (140°F)

### Integrity Testing

Microfil™ Junior filter cartridges are batch tested for integrity using the Bubble Point Test. Procedural details are available from Porvair.

### Effective Filtration Area

Absolute Removal Rating	Effective Filtration Area (for 5" cartridge)
0.5, 0.8, 1.0, 2.0 and 5.0µm	0.15m <sup>2</sup> (1.6ft <sup>2</sup> )

### Maximum Differential Pressure

Normal flow direction at:

20°C (68°F): 6.0 bar (87lb/in<sup>2</sup>)

100°C (212°F): 3.0 bar (43lb/in<sup>2</sup>)

80°C (176°F): 4.0 bar (58lb/in<sup>2</sup>)

120°C (248°F): 2.0 bar (29lb/in<sup>2</sup>)

### Features

#### Product Attributes

RR	0.5; 0.8; 1.0 and 5.0µ absolute Beta 5000
MT	60 °C
MoC	Borosilicate glass fibre media/polypropylene
MDP	6 bar @20 °C
SA	0.4m <sup>2</sup>
Brand	Porvair
Q	FDA 21CFR177-1520

# Hall Pyke The SMART Choice



## for Depth & Surface Filtration

# Hall Pyke



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