

# Hall Pyke



**Surface Pre Filtration**

**Trapfil™**

**The SMART choice for filtration**

## Trapfil™

### Polypropylene Guard Filters for Clear, Bright Beverages

The Trapfil™ filter from Porvair Filtration Group has been specifically developed for the retention of diatomite and polyvinylpyrrolidone (PVPP) particles. It is manufactured from materials which are 100% FDA (Food and Drug Administration) approved and fully welded for strength and integrity.

### Features and Benefits

- **Backflushing**  
High strength construction of the Trapfil™ cartridge enables repeated backflushing without loss of integrity.
- **Chemical regeneration**
- **Suitable for steam and hot water sanitisation**
- **Guaranteed removal ratings**  
Trapfil™ 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:	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:	Reverse flow direction at:
20°C (68°F): 6.0bar (87psi)	20°C (68°F): 2.1bar (30psi)
80°C (176°F): 4.0bar (58psi)	80°C (176°F): 1.0bar (15psi)
100°C (212°F): 3.0bar (43psi)	100°C (212°F): 0.5bar (7psi)

### Operating Temperature

Maximum continuous: 80°C (140°F)

### Integrity Testing

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

### Effective Filtration Area

Up to 0.6m<sup>2</sup> per 250mm module.



**For Clear, Bright Beverages**

## Trapfil™ continued...

### Applications

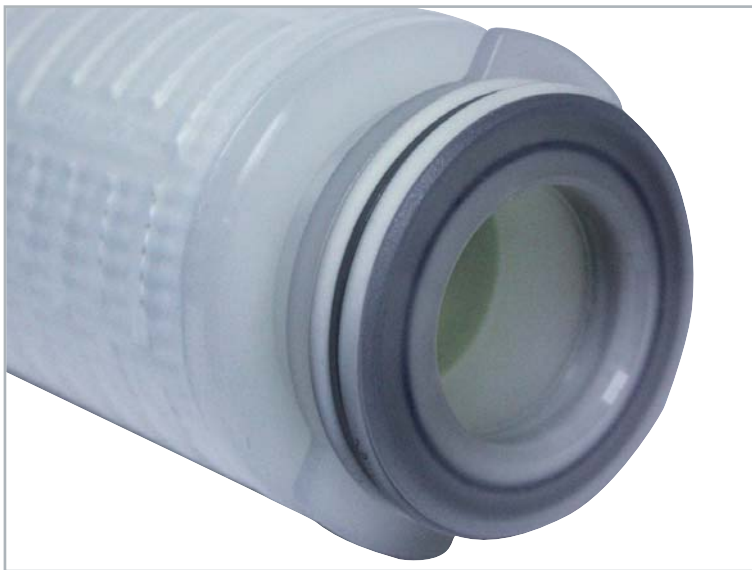
Trapfil™ cartridges are suitable for the guard filtration of a wide range of beverages, to enable the economic removal of diatomite and PVPP particles.

- **Stabilisation**

For the removal of coarse and fine PVPP powder used in the beer and wine stabilisation processes.

- **Clarification**

For the removal of kieselguhr powder used in the beer and wine clarification processes.



### Product Attributes

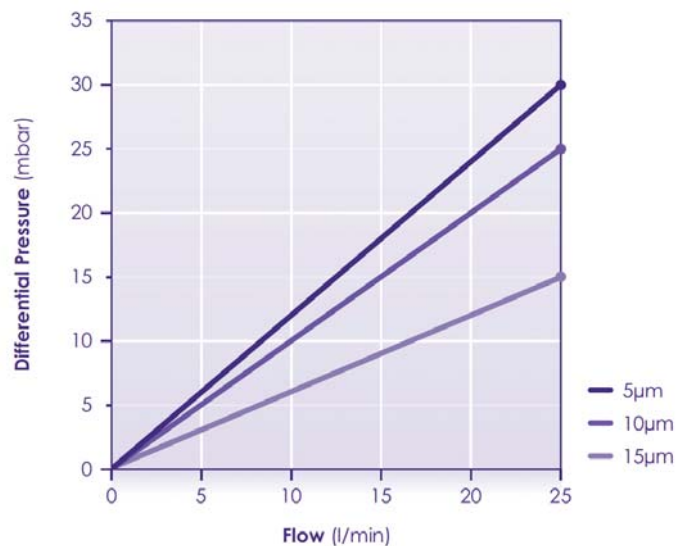
RR	5, 10, 15µ absolute rated Beta 5000
MT	80 °C
MoC	Polypropylene and st/steel support ring
MDP	6 bar @20 °C
SA	0.53m <sup>2</sup>
Brand	Porvair
Q	FDA 21CFR EC directive for food contact

### Features

### Flow Characteristics

#### Clean Water Flow Rates

- **Typical clean water flow rate:**  
A 254mm (10") Trapfil™ 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.



# Hall Pyke



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