

Trapfil High Area Filter Cartridge



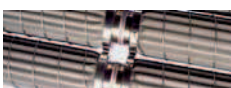
Photo 1 Range of Trapfil HA filters suitable for use in the brewing industry

The Trapfil High Area (HA) filter cartridge has been specifically designed by Microfiltrex for the reliable removal and retention of diatomite particles and polyvinylpyrrolidone (PVPP) fines. This filter development offers longer life and better backflushing capabilities than existing.

Trapfil HA utilises graded density meltblown polypropylene filter medium, together with rigid support layers in a pleated configuration that maximises the cleaning efficiency of backwashing. When combined with quality all polypropylene components and advanced manufacturing techniques, the Trapfil HA filter cartridge is ideally suited to the most demanding process conditions.

Features and Benefits

- Incorporates an advanced polypropylene meltblown microfibre filter media which maintains a minimum removal efficiency of 99.98% (Beta 5000) at the stated micron rating
- Advanced cartridge design ensures the cartridge integrity is maintained during multiple cycles of hot water sanitation and in-line steam sterilisation
- Chemical compatibility – extremely resistant to all conventional chemical regenerating agents and processes across the entire pH spectrum
- Manufactured using high quality components made from non-toxic and biologically inert raw materials. All components are FDA listed for food contact in the Code of Federal Regulations (CFR), Title 21
- Cartridges are constructed in a clean room under tightly controlled conditions using advanced, highly specialised machinery. Quality and consistency of product is assured by the quality control and manufacturing procedures, which are in place throughout all stages of manufacture



Specifications

Micron Ratings Available 5, 10 and 15 micron

Filter medium Graded density meltblown

Structural components polypropylene
End cap inserts Polypropylene
(where applicable) 316 stainless steel
Construction method Thermal welding
(no adhesives)

Standard 'O'-rings/gasket EPDM/Silicone

Maximum Differential Pressure

- Normal Flow Direction at

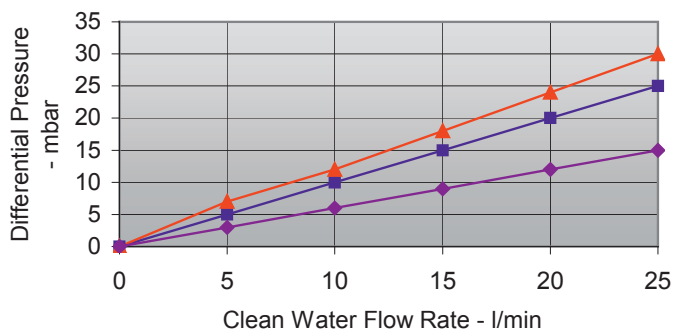
20°C (68°F)	6.0 bar (87lb/in ²)
80°C (176°F)	4.0 bar (57lb/in ²)
100°C (212°F)	3.0 bar (43lb/in ²)
- Reverse Flow Direction at:

20°C (68°F)	2.1 bar (30lb/in ²)
80°C (176°F)	1.0 bar (15lb/in ²)
100°C (212°F)	0.5 bar (7lb/in ²)

Technical Data

- Effective filtration area 0.6 m² (6.4 ft²) per 250 mm (10") cartridge
- Maximum recommended short term operating temperature 80°C (180°F), continuous 60°C (140°F)
- Cleaning by steam sterilisation in situ up to 130°C (266°F)
- Specifically designed to be sanitised by back-flushing with hot water at 80°C to 90°C for up to 90 minutes.
- Sanitisation by hot water up to 90°C (194°F) for a maximum of 30 hours (30 minute cycles)
- (Oxonia, Peracetic acid, chlorinated alkaline products, bleach and SO₂ can be used)
- Integrity Testing – Trapfil cartridges are batch tested
- Validation Guide available on request

**Clean Water Flow Rates
Trapfil**



Test Conditions

Typical clean water flow rate – based on a 250mm (10") single cartridge Microfiltrex housing exhibiting the differential pressure characteristics indicated above, for solutions with a viscosity of 1 centipoise.

MFx 68

Ihr zuständiger Distributor:



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