sartorius stedim biotech

Sartotrap

Particle Reduction Filter Cartridges

Depth Filter Cartridges

Description
Sartotrap filter elements were optimized for the wide range of trapfiltration. Sartotrap retains particles from liquids through fractionated depth filtration. The filter contains multiple layers of progressively finer pleated polypropylene depth filter material.

Applications
Typical applications for Sartotrap filters are the particle removal from beverages:

- Beer
- Wine
- Sparkling Wine
- Water

Security
The Sartotrap filter elements ensure the selective, effective and defined particle retention. The polypropylene construction offers broadest chemical compatibility.

Performance
The Sartotrap filter elements combine high dirt loading capacity with long service life and extremely high flow rates.

Economical Results
Considering all features and benefits, Sartotrap filters guarantee the maximum in process profitability thus minimized filtration costs.

Specifications

Materials of Construction

Filter Material	Multiple Poly-propylene layers
Support Fleece	Polypropylene
Core	Polypropylene
End Caps	Polypropylene
O-Rings	Silicone

Retention Rates
5 µm, 8 µm

Available Size | Filtration Area
30" Cartridge 1.8 m^2 | 18 ft^2

Available Adapter
25

Particle Retention

Particle Size (µm)	Particle Rention (%) 5 µm	8 µm
3	96.7	
5	99.99	99.0
8		99.9

Operating Parameters

Max. Allowable Differential Pressure	5 bar | 75 psi at 20°C 2 bar | 29 psi at 80°C
Max. Allowable Back Pressure	2 bar | 29 psi at 20°C

In-Line Steam Sterilization
– 121°C, 30 min.
– 134°C, 20 min.
– max differential pressure of 0.5 bar | 7 psi

Sterilization Cycles

In-Line Sterilization	Min. 25

In-Line Water Flushing

Temperature	max. 85°C
Time	5 min
Flow Rate	2 m^3/h + 30"
Flow Direction	against filtrate flow
Differential Pressure	max. 0.5 bar	7 psi

In-Line Chemical Regeneration

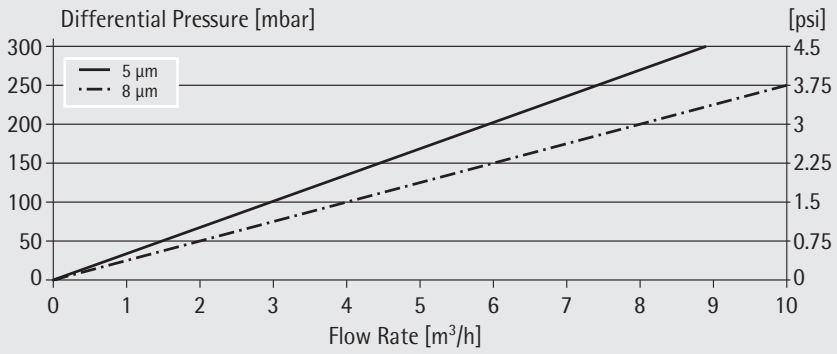
2% NaOH Solution

Temperature	70 – 80°C
Time	30 min
Flow Rate	0.5 m^3/h + 30"
Flow Direction	filtrate flow
Differential Pressure	max. 0.5 bar	7 psi

Water Flushing

Time	10 min
Flow Rate	1.5 m^3/h + 30"
Flow Direction	filtrate flow
Differential Pressure	max. 0.5 bar	7 psi

Water Flow Rates for 10" Cartridge



Order Information

Retention Rate	Order Code	Packing Size
5 µm	5592542P3----TrG	25 psc
8 µm	5592501P3----TrG	25 psc

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