



Sartosteel

Removing Particles from Liquids, Gas and Steam

Stainless Steel Filter Cartridges



Specifications

Materials

Sintered non woven stainless steel media, reinforced on both sides with sintered-on mesh

Filter Media:	AISI 316 L
Support Mesh:	AISI 304 316 L
Outer Support:	AISI 304 316 L
Core:	AISI 304 316 L
End Caps:	AISI 304 316 L
Gaskets:	silicone*

* standard: also available in Viton and EPDM

Retention Rate

3 µm

Available Sizes | Filtration Area

Size 1	10"	500 cm ² 0.5 ft ²
Size 2	20"	1.000 cm ² 1.0 ft ²
Size 3	30"	1.500 cm ² 1.5 ft ²

Operation Parameters

Max. differential pressure:
≤ 20 bar, in the direction of filtration
≤ 1 bar, opposite to the direction
of filtration

Description

Sartosteel are especially developed for removing particles from liquids, gas and steam.

Applications

Sartosteel is applied in biopharmaceutical process such as:

- Steam filtration
- Condensate filtration
- Water filtration

Further Applications

- Chemical Industrie
- Polymer filtration (from 3 µm)
- Catalyst retention (10 µm)
- Gas filtration (≥ 80 °C)
- Cleaning agents

Machine-building | Automotive Industries

- Fuel filtration
- Hydraulic oils

Performance

Sartosteel stainless steel depth filter cartridges contain sintered, homogeneous, 0.4 mm thick non woven stainless steel mesh layers, which are reinforced on both sides by mesh supports. These filters are used for removing particles from liquids and gases (steam). Sartosteel filter cartridges offer the user maximum security along with low filtration costs.

Product Benefits

- High dirt-handling capacity
- High mechanical stability
- Homogeneous material construction
- Absolutely leak-proof connections between end caps and filter unit

Quality Control

Sartosteel are designed, developed and manufactured in accordance with a DIN ISO 9001 certified Quality Management System.

Specifications

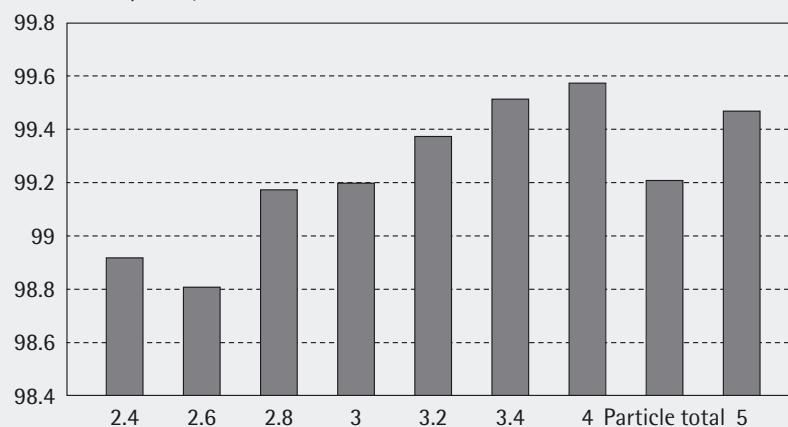
Resistance | Compatibility

thermal: up to 200 °C
(not with silicone sealing)

chemical: inert to caustic solutions,
solvents not compatible with
aggressive and relatively high
concentrations of acid ($\geq 5\%$)

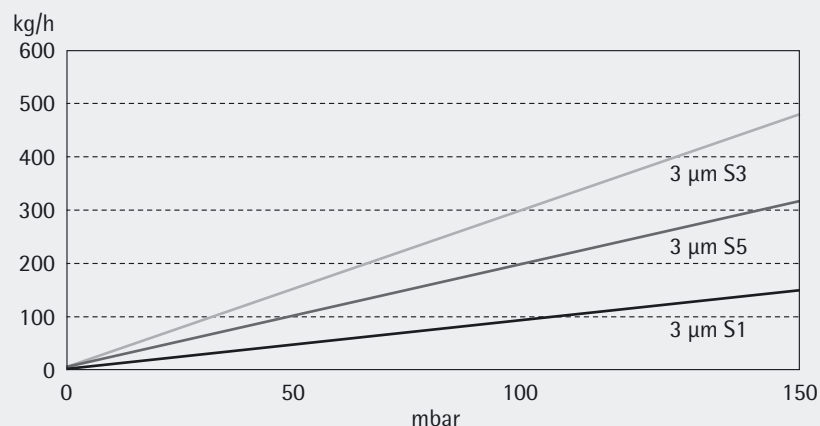
Particle retention rating 3 μm Sartosteel

Retention capability in %



Particles: Latex particles in ethanol 96%

Sartosteel – saturated steam (T = 121 °C, P = 1 bar system pressure)



Order Information

Order Code	Retention Rate [μm]	Adapter Type	Height	Pack Size [Pieces]
Cartridges				
5702502S1	3	25	10"	1
5702502S5	3	25	20"	1
5702502S3	3	25	30"	1
5702802S1	3	28	10"	1
5702802S5	3	28	20"	1
5702802S3	3	28	30"	1

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