

Sartosteel

Removing Particles from Liquids, Gas and Steam



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

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

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 Rates

3 µm

Filter Area

10" element: 500 cm² (effective filter area)

Operation Parameters

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

Stainless Steel Filter Cartridges

Specifications

Resistance | Compatibility

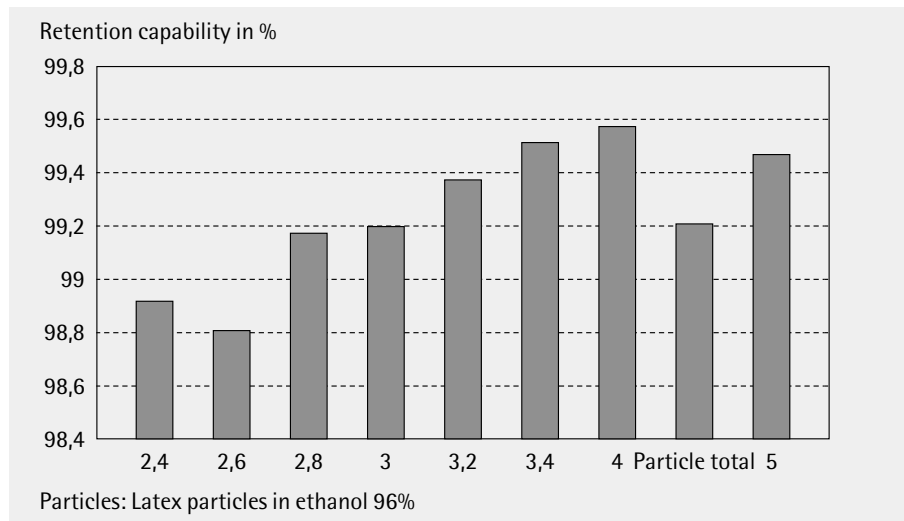
thermal:	up to 200 °C (not with silicone sealing)
chemical:	inert to caustic solutions, solvents not compatible with aggressive and relatively high concentrations of acid ($\geq 5\%$)

Order Information

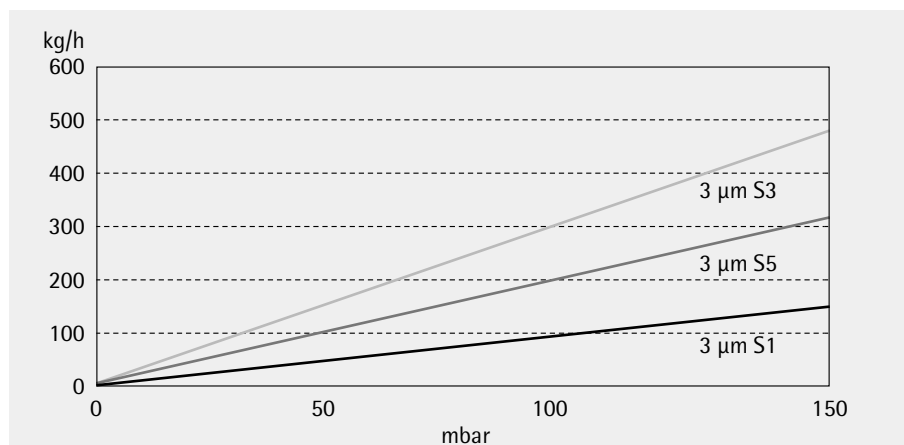
Cartridges Order Code	Adapter Type	Retention Rate [μm]	Height
570■■02S1	25, 28	3	10"
570■■02S5	25, 28	3	20"
570■■02S3	25, 28	3	30"

■■: Please replace the blanks with the appropriate two-letter combination for the adapter type.

Particle retention rating 3 μm Sartosteel



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



Sartorius AG
 Weender Landstrasse 94-108
 37075 Goettingen, Germany
 Phone +49.551.308.0
 Fax +49.551.308.3289
 www.sartorius.com
 USA +1.631.2544249
 UK +44.1372.737100
 France +33.1.69192100
 Italy +39.055.634041
 Spain +34.91.3586100
 Japan +81.3.33293366

Specifications subject to change without notice.
 Printed in Germany on paper that has been bleached
 without any use of chlorine.
 W/sart-000 - G
 Publication No.: SPK2053-e03051
 Order No.: 85030-517-78