Sartocon® 2Plus Stainless Steel Holder
Crossflow holder for Sartocon® cassettes

Description

Sartocon 2Plus Holder
The Sartocon 2Plus stainless steel holder is optimized for the use with up to ten Sartocon production scale Crossflow cassettes (max. 7 m²). It is designed for applications from 30 l to 1000 l volume.

Target use:
– process development
– preclinical trials
– clinical trials
– pilot lots

Sartocon cassettes with a filter area of up to 0.7 m² each, are available with Polyethersulfone, Hydrosart, Polypropylene and Cellulose Triacetate membrane types.

The Sartocon 2Plus system covers the whole range of pharmaceutical and biotechnological crossflow applications like concentration and diafiltration of proteins, vaccines, viruses, antibodies, oligo nucleotides, endotoxin removal etc. The system is also suitable for cell harvesting and clarification processes. The family of Sartorius Crossflow holders feature the latest advances in crossflow design:
– vertical orientation of cassettes
– self draining systems
– autoclavable and inline steamable
– no welds
– minimized hold up volume

The Sartocon 2Plus holding device is part of a modular micro- and ultrafiltration system and fits up to ten Sartocon filter cassettes. It is designed for process development and pilot scale production in pharmaceutical and biotechnology applications. Easy handling design and high quality materials make this holder the perfect tool.

The Sartocon cassettes are placed between filter and clamping plate without a need for additional gaskets. It’s not even necessary to remove the clamping plate for installation of the cassettes. Just place the cassettes on the guide rods and close the holder with a torque wrench.

The vertical positioning of the cassettes allows complete draining of retentate and permeate channels by gravity during harvesting and steaming procedures.

Thermal sterilisation in an autoclave or steaming in place even with cassettes installed is possible. A special pressure compensation tool was designed to allow thermal sterilisation of Sartocon filter cassettes in the Sartocon 2Plus device.

The Sartocon 2Plus’s flow distribution plate is machined from a single piece of stainless steel. It’s sanitary 1½” tri-clamp connections are not welded but machined from the same plate. This eliminates potentially problems associated with welds and ensures long service life and safe and reliable connection to other equipment.

The feed and retentate connectors are located on one side of the plate. This allows easy integration into any skid design and assures a compact system with low minimum working volume.

Connectors are situated to eliminate potential air locks and to assure thorough cleaning and total product recovery.

The Sartocon 2Plus device is available in a grinded and an electro polished surface version.

Specifications

Materials of Construction

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<thead>
<tr>
<th>Feature</th>
<th>Benefits</th>
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<tr>
<td>Cassettes in vertical position</td>
<td>self draining</td>
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<tr>
<td>Tri-clamp connectors</td>
<td>safe fit of accessories</td>
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<tr>
<td>No welds</td>
<td>no corrosion</td>
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<tr>
<td>Steamable</td>
<td>no cross contamination</td>
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<tr>
<td>Fits up to ten Sartocon cassettes</td>
<td>high flexibility for up to 1000 l working volume</td>
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</tbody>
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Technical Data

Surface finish Ra ≤ 0.6 µm

Maximum number of cassettes 10 Sartocon cassettes

Dimensions (L×W×H) 371 x 270 x 348 mm

Weight approx. 50 kg

Ordering Informations and Accessories

Sartocon 2Plus stainless steel holder, grinded 17546----002

Sartocon 2Plus microfiltration set 17546----201

Sartocon 2Plus ultrafiltration set 17546----202

Sartocon 2Plus stainless steel holder, electro polished 17546E----002

Torque wrench for Sartocon 2Plus holder 17128

Socket, 27 mm 6986135

Pressure gauge, 0–6 bar, 1–1½” autoclavable 17546----003

Diaphragm valve, 1–1½” 17546----005

Silicone gasket (FDA), 1–1½” 17546----012

Clamp for 1–1½” Tri Clamp 17033

Sartocon 2Plus manifold for permeate outlet 17546----016

Hose connector to 1–1½” Tri Clamp flange 17546----018

Pressure compensation tool for steaming and autoclaving 17625

Ultrasart Cassettes

Membrane Material Nominal Molecular Weight Cutoff [NMWCO] Order Numbers Sartocon®

Cellulose triacetate 5 kD 3021452907E--SG

20 kD 3021454907E--SG

Polyethersulfone (PESU) 1 kD 3021460907E--SG

5 kD 3021462907E--SG

8 kD 3021463407E--SG

10 kD 302146407E--SG

Albumin 302146AL07K--SG

Albumin (New) 302146AL07K--SW

30 kD 3021465807E--SG

50 kD 3021465007E--SG

100 kD 3021466807E--SG

300 kD 3021467907E--SG

Hydrosart®

2 kD 3021441906E--SG

5 kD 3021442906E--SG

10 kD 3021443906E--SG

30 kD 3021445906E--SG

100 kD 3021446806E--SG

Microsart Cassettes

Membrane Material Pore Size [µm] Order Numbers Sartocon®

Polyethersulfone (PESU) 0.1 µm 3021545806W--SG

Polypropylene 0.2 µm 3021750706W--SG

Hydrosart®

0.2 µm 3021860706W--SG

0.45 µm 3021860606W--SG

Hydrosart®

0.2 µm 3021860704O--SG

0.45 µm 3021860604O--SG

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W/sart-000 · G
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