



# Sartocon® Slice Stainless Steel Holder

Low hold-up volume Crossflow holder for Sartocon Slice cassettes

Crossflow Holder



## Description

### Sartocon® Slice Holder

The Sartocon® Slice stainless steel holder is optimized for the use with up to five Slice Crossflow cassettes (0.1–0.5 m<sup>2</sup>). It is designed for low to medium volume applications from 1 – 100 L.

#### Target use:

- process development
- pre-clinical trials
- clinical trials
- scaling studies
- pilot scale and small volume production

Sartocon® Slice cassettes have a surface area of 0.1 m<sup>2</sup> each and are available with Polyethersulfone and Hydrosart membrane types.

The filterholder can be thermally sterilized by autoclaving or inline steaming if the pressure compensation tools are used. Typical applications for Sartocon® Slice 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 suitable for cell harvesting and clarification processes.

The Sartocon® Slice Filterholder features the latest advances in crossflow design:

- vertical orientation
- self draining system
- low minimal hold-up volume
- monolithic design
- large retentate channels
- cGMP construction and operation

The Sartocon® Slice cassette (filter area: 0.1 m<sup>2</sup>) has the same hydrodynamic flow path design and identical materials like the larger Sartocon® Cassette (Hydrosart 0.6 m<sup>2</sup>, PESU 0.7 m<sup>2</sup>). This unique design within the Sartocon® family provides the user with predictable performance for scaling studies. The Slice holder completes the Slice cassette in an ideal way and gives the perfect tool for every low volume crossflow application. The Slice holder has sanitary tri-clamp connections. This ensures a safe and reliable connection to other equipment. The feed and retentate ports as well as the two filtrate ports are located on one side. This allows fixed piping and a compact system with low minimum working volume. The adjustable feet guarantees a firm stand of the holder on the bench.

Port locations are situated to avoid air locks and to ensure proper cleaning and product recovery.

Feature	Benefits
Cassettes in vertical position	self draining self venting
Unique optimized In- and Outlets	no air lock
Fits up to five cassettes	provides process flexibility
Low hold up volume	minimized working volume
Adjustable feet	secure stand

## Technical specifications

Number of cassettes	1–5
Surface area	0.1–0.5 m <sup>2</sup>
Material	AISI 316 L stainless steel (German standard 1.4435), electropolished
Surface finish Product contact	Ra ≤0.4 μm
Support plate	AISI 316 L stainless steel
Port connection	outer diameter 25 mm (TC25); inner diameter 10 mm (DN10); (DIN11850, Reihe 2)
Max. operating pressure at 20 °C	4 bar (58 psi)

## Spare Parts and Accessories

### Accessories and Ordering Information

Sartocon® Slice Holder	17521---002
Pressure compensation tools	17521---028
Sartocon® microfiltration set	17521---105
Sartocon® ultrafiltration set	17521---106
Sartojet membrane pump	17521---110
Sartocon® Slice Flush Plate PP-DWST	305030C
Sartocon® Slice Adapter Plates	17521---029 17521---920

## Ordering Information

Ultrafilter Membrane	Area	MWCO	Part Number
Hydrosart UF	0.1 m <sup>2</sup>	2 kD	30 5 144 19 01 E--SW
Hydrosart UF	0.1 m <sup>2</sup>	5 kD	30 5 144 29 01 E--SW
Hydrosart UF	0.1 m <sup>2</sup>	10 kD	30 5 144 39 01 E--SW
Hydrosart UF	0.1 m <sup>2</sup>	30 kD	30 5 144 59 01 E--SW
Hydrosart UF	0.1 m <sup>2</sup>	100 kD	30 5 144 68 01 E--SW
PESU UF	0.1 m <sup>2</sup>	1 kD	30 5 146 09 01 E--SW
PESU UF	0.1 m <sup>2</sup>	5 kD	30 5 146 29 01 E--SW
PESU UF	0.1 m <sup>2</sup>	8 kD	30 5 146 34 01 E--SW
PESU UF	0.1 m <sup>2</sup>	10 kD	30 5 146 39 01 E--SW
PESU UF	0.1 m <sup>2</sup>	30 kD	30 5 146 59 01 E--SW
PESU UF	0.1 m <sup>2</sup>	Albumin	30 5 146 AI 01 K--SW
PESU UF	0.1 m <sup>2</sup>	50 kD	30 5 146 50 01 E--SW
PESU UF	0.1 m <sup>2</sup>	100 kD	30 5 146 68 01 E--SW
PESU UF	0.1 m <sup>2</sup>	300 kD	30 5 146 79 01 E--SW

Microfilter Membrane	Area	Pore Size	Part Number
Hydrosart MF	0.1 m <sup>2</sup>	0.2 µm	30 5 186 07 01 W--SW
Hydrosart MF	0.1 m <sup>2</sup>	0.45 µm	30 5 186 06 01 W--SW
PESU MF	0.1 m <sup>2</sup>	0.1 µm	30 5 154 58 01 W--SW

### Steamable Sartocon®

Slice Cassettes	Area	Pore Size   MWCO	Part Number
PESU UF	0.1 m <sup>2</sup>	30 kD	30 5 146 59 01 E--SG
PESU UF	0.1 m <sup>2</sup>	100 kD	30 5 146 68 01 E--SG
PESU UF	0.1 m <sup>2</sup>	300 kD	30 5 146 79 01 E--SG
PESU MF	0.1 m <sup>2</sup>	0.1 µm	30 5 154 58 01 W--SG
Hydrosart MF	0.1 m <sup>2</sup>	0.2 µm	30 5 186 07 01 W--SG 30 5 186 07 01 O--SG
Hydrosart MF	0.1 m <sup>2</sup>	0.45 µm	30 5 186 06 01 W--SG 30 5 186 06 01 O--SG

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