



# SARTOFLOW® Slice 200 Benchtop Crossflow System

Protein purification, concentration and diafiltration



## Technical Specifications

Pump Output	50–2,200 ml/min @ 40 psi   2,5 bar
Filter Area	200 to 400 cm <sup>2</sup>
Tank Volume	500 ml
Min. Operating Volume	<20 ml
Max. System Pressure	58 psi   4 bar
Connections	Luer
Dimensions (W × D)	60 cm × 40 cm
RS232 Communications	

**The SARTOFLOW® Slice 200 Crossflow System** is ideal for developing, characterizing and optimizing all MF | UF | DF processes

- Compact Foot Print
- Very low operating and hold-up volumes < 20 ml
- 3 Automatic modes of operation
- The vessel's lid can be sealed for automatic constant volume diafiltration
- User set point alarms
- Display of process parameters
- PC data logging, analysis and graphing

## Design Description

The family of Sartorius Stedim Biotech Benchtop Crossflow Systems feature the latest advances in crossflow technology from Sartorius Stedim Biotech. The SARTOFLOW® Slice 200 Benchtop System is designed around our Sartococon® Slice 200 cassette (filter area: 200 cm<sup>2</sup>) and is perfectly suited for R&D, process development, pre-clinical and small pilot lots.

The SARTOFLOW® Slice 200 Benchtop system features

- Sartococon® Slice 200 filter cassette holder fits up to two Sartococon® Slice 200 filter cassettes
- 500 ml feed reservoir with sealed cap
- 900 rpm magnetic stirrer
- Peristaltic Pump
- Three pressure transmitters
- Display of process parameters (Pressures, TMP, Flow rates, Volume)
- 3 modes of operation (Manual | TMP Control | Constant Flow)
- 5 built-in independent alarms
- Win Wedge PC interface Software with custom Excel macros for data logging process analysis complete with graphs.

The flow characteristics of the Sartococon® Slice 200 filter cassettes are the same as larger Sartorius Stedim Biotech Sartococon® 0.1 or 0.7 m<sup>2</sup> production scale cassettes. Therefore it provides the user with linear scale-up and predictable performance for future production requirements.

Sartorius Stedim Biotech offers standard and custom crossflow system designs. Standard designs include our line of Benchtop Systems which is comprised of the SARTOFLOW® Slice 200 Benchtop™, SARTOFLOW® Advanced and SARTOFLOW® Alpha plus. Sartorius Stedim Systems also provides custom turn-key designs for laboratory, pilot plant and manufacturing.

The features of the SARTOFLOW® Slice 200 Benchtop System allow users to automate, optimize and document the crossflow processes:

- Reliable operation through the use of sensors & user-definable alarms
- On-board application programs that automate and optimize the filtration
- Finger-tip control via the front panel with menu-driven software.
- Interfaces directly to PC.
- Optically-encoded and servo-controlled pump motors
- Real-time verification and documentation of process parameters

## Documentation

Sartorius Stedim Biotech Crossflow filtration systems are supplied complete with Operating Manual and Spare Parts List.

## Major Components

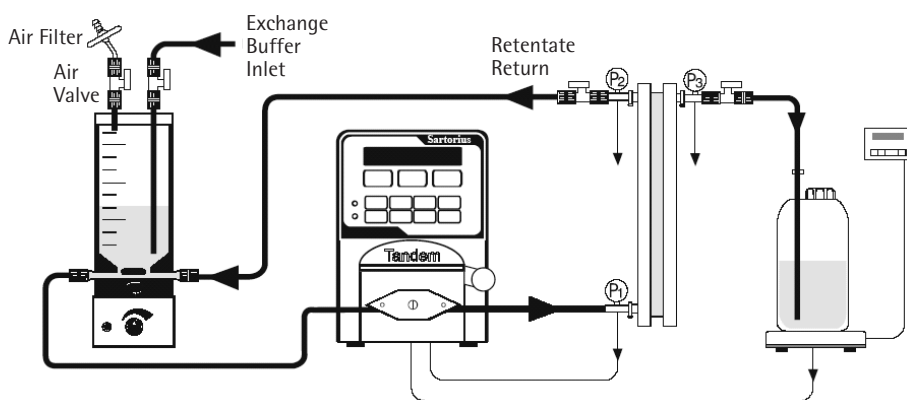
- Tandem 1082 Peristaltic Pump
- 500 ml Graduated Polysulfone Feed Vessel
- 316L Stainless Steel Sartoco<sup>®</sup> Slice 200 Filter holder
- Sartorius Laboratory Balance Talent TE 4100
- Medical Grade Pressure Transmitters
- 900 RPM Integral Stir Plate and stir bar
- Luer Fittings, T-pieces, Valves and Vents
- Pinch Valve for back pressure control
- Phar Med #15 Tubing
- Balance and Pump RS232 Interface cables
- Win Wedge | SartoWedge PC Software

## Standards and Codes

All components comply with CE, EPL and CSA.

## Ordering Information

SARTOFLOW <sup>®</sup> Slice 200 Benchtop System (120 V)	17525SYS-BT1
SARTOFLOW <sup>®</sup> Slice 200 Benchtop System (220 V)	17525SYS-BT2
Pack of 1 Pressure Transmitter	17525SP-01
Spare parts kit (replacement Luer valves and fittings)	17525SP-02
Pump BT 220 V	17525SP-03
Pump BT 120 V	17525SP-04
Pack of 3 Pressure Transmitters	17525SP-10
Stirrer Subassembly	17525SP-11
Pressure Sensor Kit (NaOH stable)	17521---037



## Ordering Information

### Mircofiltration cassettes

Ordering Information	Material	Membrane area	Pore size
3081860702W--SW	Hydrosart <sup>®</sup>	200 cm <sup>2</sup>	0.20 μm
3081860602W--SW	Hydrosart <sup>®</sup>	200 cm <sup>2</sup>	0.45 μm
3081545802W--SW	PESU	200 cm <sup>2</sup>	0.10 μm

### Ultrafiltration cassettes

Ordering Information	Material	Membrane area	Cut-off
3081441902E--SW	Hydrosart <sup>®</sup>	200 cm <sup>2</sup>	2 kDa
3081442902E--SW	Hydrosart <sup>®</sup>	200 cm <sup>2</sup>	5 kDa
3081443902E--SW	Hydrosart <sup>®</sup>	200 cm <sup>2</sup>	10 kDa
3081445902E--SW	Hydrosart <sup>®</sup>	200 cm <sup>2</sup>	30 kDa
3081446802E--SW	Hydrosart <sup>®</sup>	200 cm <sup>2</sup>	100 kDa
3081460902E--SW	PESU	200 cm <sup>2</sup>	1 kDa
3081462902E--SW	PESU	200 cm <sup>2</sup>	5 kDa
3081463402E--SW	PESU	200 cm <sup>2</sup>	8 kDa
3081463902E--SW	PESU	200 cm <sup>2</sup>	10 kDa
3081465902E--SW	PESU	200 cm <sup>2</sup>	30 kDa
3081465002E--SW	PESU	200 cm <sup>2</sup>	50 kDa
3081466802E--SW	PESU	200 cm <sup>2</sup>	100 kDa
3081467902E--SW	PESU	200 cm <sup>2</sup>	300 kDa

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