

## Sartoflow® Slice 200 Benchtop Crossflow System



### Design Description

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

The Sartoflow Slice 200 Benchtop features

- Sartococon Slice 200 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.

Sartococon Slice 200 filter cassettes utilize the same parallel leaf design used in larger cassettes which provides the user with linear scale-up and predictable performance for future production requirements.

The flow characteristics of the Sartococon Slice 200 filter cassettes are the same as larger Sartococon 0.1 or 0.7 m<sup>2</sup> production scale cassettes.

Sartorius 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 Alpha™ and Sartoflow Beta™ Systems. Sartorius 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

### 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
- Process Scalable
- Display of Process Parameters
- PC Data Logging, Analysis and Graphing

# Sartorius Crossflow

## Quality and Documentation

Sartorius Crossflow filtration systems are manufactured from high quality components and are supplied complete with Operating Manual and Spare Parts List.

## Major Components

- Tandem 1082 Peristaltic Pump
- 500 ml Graduated Polysulfone Feed Vessel
- 316L (1.4404 | 1.4435) SS Sartococon Slice 200 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
- 6 feet of 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.

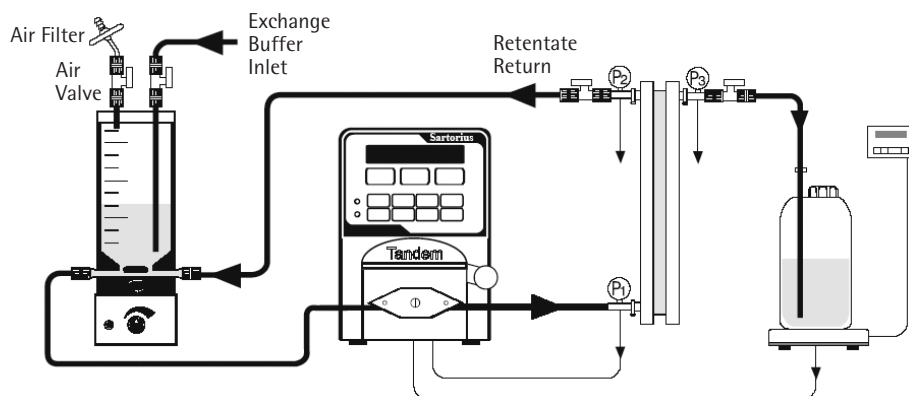
## Ordering Information

Sartoflow Slice 200 Benchtop System (120V)	17525SYS-BT1
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Sartoflow Slice 200 Benchtop System (220V)	17525SYS-BT2
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3 Pack of Pressure Transmitters	17525SP-01
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Spare parts kit (replacement leuer valves and fittings)	17525SP-02
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