



## Product Data Sheet

### SC5000w SemiChill - Recirculating Cooler

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#### Product Image



#### Order Information

**Model:** SC5000w  
**Order no.:** 950005107P3H0

Available mains power:  
 400V / 3 Ph. / 50Hz  
 208-230V / 3 Ph. / 60Hz

#### Similar Models

These models could also be interesting for you:

**SC5000a**  
**SC10000w**

#### Sales & Support:

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 Pictures may differ from original.

#### Description

Recirculating Cooler for industrial applications (basic model, additional options for specific requirements available)

The SemiChill series offers powerful recirculating coolers. These units have been especially designed for applications in the semiconductor industry. Five models are available, with cooling capacities from 2.5 to 10 kW (air- or water-cooled). Working temperature ranges from +5 to +35 °C which can optionally be extended from -20 to +130 °C. Also available is a selection of powerful pumps. The units can be modified to provide heater capacities up to 5 kW. Selection between different electronic modules to conform to simple or high demands such as, for example flow rate and conductivity measurement, external temperature control or integration of the coolers via analogue signals, RS232, devicenet or ethernet. A large range of accessories and options including DI filters, microfilters, USB adapters, etc. is available.

#### Advantages

- o For the most demanding applications
- o Space-saving, no lateral ventilation
- o Handles and castor make relocation easy
- o Industrial grade mains power switch and emergency cut-off
- o Pressure gauge
- o Liquid level indicator
- o Front filling port
- o Low noise level
- o PID temperature control
- o ATC3 3-point calibration
- o Early warning system for low liquid level
- o Warning and safety functions
- o Modular design allows selection between different options
- o Water-cooled

#### Technical Specifications

Working temperature range	-20 ... 130 °C <a href="#">Options: working temperature ranges</a>			
Temperature control	PID			
Temperature stability	±0.1 °C			
Display	LED <a href="#">Options: electronic modules</a>			
Display resolution	0.1 °C			
Integrated programmer	not available			
Heater capacity	0 W <a href="#">Options: heaters</a>			
Cooling capacity	20 5000	0 2500	-10 1200	°C W
Refrigerant	R404A			
Pump capacity	Pressure: 3500 mbar <a href="#">Options: circulating pumps</a> Flow rate: 33 l/min			
Digital interfaces	RS232			
Bath opening / bath depth (W x L / D)	Ø = 7 / - cm			
Filling volume	43 ... 60 Liters			
Dimensions (W x L x H)	59 x 67 x 112 cm			
Weight	153 kg			
Ambient temperature	5...40 °C			
Classification according to DIN 12876-1	3			

#### Miscellaneous

Important information: this data sheet contains only the basic model. Select your individual SemiChiller according to your specific requirements and the available options. Get more information in the linked 'PDF brochure' on this page. Please contact us: we help you to configure a suitable model for your requirements.