



# 1-CUBE s. r. o.

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## Refrigerated/Heating Circulating Bath - Type SU12.1

### Description

Refrigerated/Heating Circulator for internal and external temperature applications

1-CUBE Refrigerated & Heating Circulator for heating and cooling are suitable for external temperature tasks and for temperature applications directly in the bath. Powerful circulating pump systems and high heating and cooling capacities guarantee short heat-up and cool-down times. The inevitable dust accumulation that occurs in refrigeration systems is solved by means of an easily removed venting grill, which allows for easy cleaning. Model has a drain tap on the front allowing the fluid to be drained easily. The compact assembly of each unit enables a space to be saved in the laboratory.

### Advantages

- o MULTI-DISPLAY (LED) for actual and setpoint values, warning/safety functions and pump stage
- o Keypad for setpoints, warning/safety values and menu functions
- o PID2 temperature control with drift compensation
- o 2- Point-Calibration
- o Early warning system for low liquid level
- o RS232 interface for online communication
- o SMART PUMP, electronically adjustable pump stages
- o Active Cooling Control

### Technical Specifications

Working temperature range	-10 ... 150 °C
Temperature control	PID
Temperature stability	±0.05 °C
Display	LCD
Display resolution	0.01
Integrated programmer	available
Heater capacity	1500 W
Available mains power:	230V / 50Hz, Note: by request 110V/60Hz
Cooling capacity	300 W
Material	Stainless steel
Refrigerant	R134a
Pump capacity	Pressure: 0,12 bar Flow rate: 3 l/min
Digital interfaces	RS232
Bath opening / bath depth (W x L / D)	25x45x35-depth cm
Filling volume	30 Liters
Dimensions (W x L x H)	80 x 60 x100 cm
Weight	45 kg
Ambient temperature	5...40 °C

