



Product Data Sheet

FP50-HE Refrigerated/Heating Circulator

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Product Image



Description

Refrigerated/Heating Circulator for internal and external temperature applications with proportional cooling control

JULABO Refrigerated & Heating Circulators for heating and cooling are suitable for external temperature tasks and for temperature applications directly in the bath. A model from three different series' with different capacities can be selected. 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. Depending on the model, the units are equipped with handles or castors for an easy transportation. All models have 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 VFD COMFORT DISPLAY, resolution 0.01 °C
- o Keypad for setpoints, warning/safety values and menu functions
- o ICC (Intelligent Cascade Control), self-optimizing temperature control
- o ATC3 3-Point-Calibration
- o Pt100 External sensor connection for measurement and control
- o SMART PUMP, electronically adjustable pump stages
- o Early warning system for low liquid level (DBGM 203 06 059.8)
- o Adjustable high temperature cut-out, visible via display
- o RS232 interface for online communication
- o Integrated programmer for 10 program steps
- o Proportional cooling control
- o Active Cooling Control

Order Information

Model: FP50-HE
Order no.: 9210650

Available mains power:
230V / 50Hz
230V / 60Hz

Similar Models

These models could also be interesting for you:

FP50-HL
LH45
FP50-ME

Sales & Support:

+49 7823 51-190

Monday to Friday
7:30 am - 17:00 pm

JULABO Labortechnik GmbH
Eisenbahnstrasse 45
77960 Seelbach/Germany
Phone +49 7823 51-0
Fax +49 7823 2491
info@julabo.de
www.julabo.de

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Technical Specifications

Working temperature range	-50 ... 200 °C
Temperature control	ICC
Temperature stability	±0.01 °C
Display	VFD
Display resolution	0.01 °C
Integrated programmer	available
Heater capacity	2000 W
Cooling capacity	20 0 -20 -40 °C 900 800 500 160 W
Refrigerant	R404a
Pump capacity	Pressure: 700 mbar Suction: 400 mbar Flow rate: 22-26 l/min
Digital interfaces	RS232, optional Profibus
External Pt100 sensor connection	available
Bath opening / bath depth (W x L / D)	18 x 12 / 15 cm
Filling volume	8 Liters
Dimensions (W x L x H)	42 x 49 x 72 cm
Weight	57 kg
Ambient temperature	5...40 °C
Classification according to DIN 12876-1	3 (FL)

Miscellaneous

Optional: Electronic module with analog connections for external programming, temperature recorder, standby, alarm (Order no. 8 900 100)