

# Julabo Product Data Sheet

## CF30 Cryo-Compact Circulator

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### Product Image



### Order Information

Model: CF30  
 Order no.: 9400330  
 Available mains power:  
 230V / 50Hz  
 230V / 60Hz  
 115V / 60Hz

### Sales & Support:

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Monday to Friday  
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 Pictures may differ from original.

### Description

Cryo-Compact Circulator for internal and external temperature applications

The new CF series offers compact refrigerated/heating circulators. With small overall dimensions the units can even be placed on a very small surface or within a complex installation. All models offer a heating capacity of 2 kW and classification 3 according to DIN12876-1. The maximum ambient temperature of +40°C as well as a ventilation air cooling allow installing the units very closely side by side with other units or directly under a fume hood. Furthermore all the models feature pump connections for external temperature applications and a bath opening for temperature control of small objects directly in the circulator bath. Wetted parts are made of high quality stainless steel or plastic. The instruments provide a reliable Microprocessor electronics with high temperature stability as well as warning and safety functions.

### Advantages

- o Ergonomic design and easy operation
- o Small overall dimensions for lowest space requirement
- o Splash-proof keypad
- o Large, bright LED temperature display
- o Precise PID temperature control
- o RS232 interface for PC connection
- o Adjustable high temperature cut-off
- o Classification 3 according to DIN12876-1
- o Pump connections for external temperature applications
- o Bath opening for temperature control of small objects in the bath
- o Front drain

### Technical Specifications

Working temperature range	-30 ... 150 °C
Temperature control	PID
Temperature stability	±0.03 °C
Display	LED
Display resolution	0.1 °C
Integrated programmer	not available
Heater capacity	2000 W
Cooling capacity	20 0 -20 °C 320 250 150 W
Refrigerant	R134a
Pump capacity	Pressure: 0,35 bar Flow rate: 15 l/min
Digital interfaces	RS232
Bath opening / bath depth (W x L / D)	16 x 3 / 14 cm
Filling volume	3.5 Liters
Dimensions (W x L x H)	24 x 46 x 40 cm
Weight	35 kg
Ambient temperature	5...40 °C
Classification according to DIN 12876-1	3 (FL)

### Miscellaneous

Included: 2 each barbed fittings for tubing 8 and 12 mm inner dia. (pump connections M16x1 male)