



Product Data Sheet

CF41 Cryo-Compact Circulator

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Product Image



Order Information

Model: CF41
Order no.: 9400341

Available mains power:
230V / 50Hz
230V / 60Hz
115V / 60Hz

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Similar Models

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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 Bright VFD display and interactive LCD dialog display
- o Highly precise ICC cascade temperature control
- o RS232/RS485 interface for PC connection
- o Electronically adjustable pump stages
- o External Pt100 sensor connection
- o Integrated programmer with 6x60 program steps
- o Early warning system for low liquid level
- o 3-point calibration
- o TCF Temperature Control Features
- 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	-40 ... 200 °C
Temperature control	ICC
Temperature stability	±0.02 °C
Display	VFD + LCD
Display resolution	0.01 °C
Integrated programmer	available
Heater capacity	2000 W
Cooling capacity	20 0 -20 -30 °C 470 400 280 120 W
Refrigerant	R404a
Pump capacity	Pressure: 700 mbar Suction: 400 mbar Flow rate: 22-26 l/min
Digital interfaces	RS232, RS485
External Pt100 sensor connection	available
Bath opening / bath depth (W x L / D)	19 x 3 / 19 cm
Filling volume	5.5 Liters
Dimensions (W x L x H)	28 x 46 x 46 cm
Weight	42 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 female)