



Product Data Sheet

CF31 Cryo-Compact Circulator

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Product Image



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

Order Information

Model: CF31
Order no.: 9400331

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

Downloads

+ [EasyTemp Software](#)

Similar Models

These models could also be interesting for you:

CF41
CF30
CF40

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Technical Specifications

Working temperature range	-30 ... 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	°C
	320	250	150	W
Refrigerant	R134a			
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)	16 x 3 / 14 cm			
Filling volume	3.5 Liters			
Dimensions (W x L x H)	24 x 46 x 40 cm			
Weight	33 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)