

CF30 Cryo-compact circulator

The cryo-compact circulators of the CF series provide powerful cooling and heating capabilities in a space-saving, compact design. The instruments feature 2 kW heating capacity and classification III according to DIN 12876-1. The cryo-compact circulators have pump connections for external temperature control applications and a bath opening for temperature control of small objects.



Product features

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

Technical data

Available voltage versions		Bath	
Order No.	9 400 330	Bath tank	Stainless steel
Available voltage versions:		Bath cover	integrated
9 400 330.13	230V/60Hz (Nema N6-20 Plug)	Usable bath opening cm (W x L / D)	16 x 3 / 14
9 400 330.02	115V/60Hz (Nema N5-20 Plug)		
9 400 330.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)		
9 400 330.04	230V/50Hz (UK Plug Type BS1363A)		
Cooling		Other	
Cooling of compressor	1-stage Air	Classification	Classification III (FL)
		IP Code	IP 21
		Pump type	Immersion Pump
Electronics		Dimensions and volumes	
Temperature control	PID1	Weight kg	35
Temperature display	LED	Barbed fittings inner diameter	8/12 mm
		Dimensions cm (W x L x H)	24 x 46 x 40
		Filling volume l	2 ... 3.5
		Pump connections	M16x1 male
Temperature values			
Working temperature range °C	-30 ... +150		
Temperature stability °C	±0.03		
Ambient temperature °C	+5 ... +40		
Temperature display resolution °C	0.1		

Performance values

230V/60Hz (Nema N6-20 Plug)

230V/60Hz

Heating capacity kW 2

Cooling capacity (Ethanol)

°C	20	0	-20
kW	0.32	0.25	0.15

Viscosity max. cST 30

Refrigerant R134a

Filling volume g 150

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.215

Pump capacity flow rate l/min 15

Pump capacity flow pressure bar 0.35

Power 11 A

115V/60Hz (Nema N5-20 Plug)

115V/60Hz

Heating capacity kW 1

Cooling capacity (Ethanol)

°C	20	0	-20
kW	0.32	0.25	0.15

Viscosity max. cST 30

Refrigerant R134a

Filling volume g 150

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.215

Pump capacity flow rate l/min 15

Pump capacity flow pressure bar 0.35

Power 13 A

230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)

230V/50Hz

Heating capacity kW 2

Cooling capacity (Ethanol)

°C	20	0	-20
kW	0.32	0.25	0.15

Viscosity max. cST 30

Refrigerant R134a

Filling volume g 150

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.215

Pump capacity flow rate l/min 15

Pump capacity flow pressure bar 0.35

Power 10 A

230V/50Hz (UK Plug Type BS1363A)

230V/50Hz	
Heating capacity kW	2
Cooling capacity (Ethanol)	
°C	20 0 -20
kW	0.32 0.25 0.15
Viscosity max. cST	30
Refrigerant	R134a
Filling volume g	150
Global Warming Potential for R134a	1430
Carbon dioxide equivalent t	0.215
Pump capacity flow rate l/min	15
Pump capacity flow pressure bar	0.35
Power	10 A

All Benefits



100% Checked.
100% testing. 100% quality. Each JULABO Circulator undergoes thorough quality testing before leaving the factory.



Green technology.
Development consistently applied environmentally friendly materials and technologies.



JULABO. Quality.
Highest standards of quality for a long product life.



Quick start.
Individual JULABO consultation and comprehensive manuals at your disposal.



Satisfied customers.
11 subsidiaries and more than 100 partners worldwide guarantee fast and qualified JULABO support.



Services 24/7.
Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies, and more at www.julabo.com.



Precise
PID Temperature control with set control parameters, temperature stability $\pm 0.02 \dots \pm 0.2$ °C