

CORIO CD-1000F Refrigerated / heating circulator

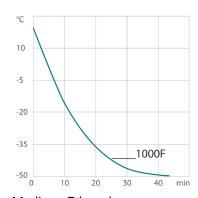
Refrigerated / heating circulators of the CORIO series distinguish themselves with a great price-to-performance ratio. They are ideal for all standard tasks and routine work in laboratories and industry.

Product features

- Models for internal and external applications
- Bright, white, easy to read display
- Very quiet
- USB connection
- Integrated pump connection M16×1
- easy switching between internal and external circulation
- · Bath lid and drain tap included
- · Removable ventilation grid
- Refrigeration unit without side vents
- Class III (FL) according to DIN 12876-1
- Space-saving cooling coil design provides more usable space in the bath tank

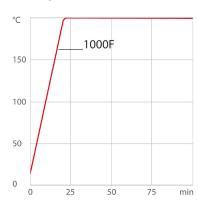


Cool-down time



Medium: Ethanol

Heat-up time



Medium: Thermal

Performance values

115V/60Hz (Nema N5-20 Plug)				
Heating capacity kW	1			
Viscosity max. cSt	50			
Pump capacity flow rate I/min	16			
Pump capacity flow pressure psi	4.8			
Power consumption A	16			



Order No.			Order No. 9012707.02				
Cooling cap	acity (Ethar	nol)					
°C	20	10	0	-10	-20	-30	-40
kW	1	1	0.98	0.75	0.53	0.27	0.13
				76. Cooling capacities (ambient temperature o			
Refrigerant sta	•	•	11.7				
Refrigerant		R449A					
Filling weigh	nt g	190					
Global Warn for R449A	ning Potent	ial 1397					
Carbon diox t	ide equivale	ent 0.2654	3				
30V/60Hz (Ne	ema N6-20 Plu	ıg)					
ating capacity I	kW					2	
Viscosity max. cSt 50							
Pump capacity flow rate I/min 17							
mp capacity flo	w pressure ps	i				6.2	
wer consumpti	on A					14	
Order No.				901270	7.13		
Cooling cap	acity (Ethar	nol)					
°C	20	10	0	-10	-20	-30	-40
kW	1	1	0.98	0.75	0.53	0.27	0.13
				76. Cooling capacities (ambient temperature o			
Refrigerant sta	ge 1						
Refrigerant		R449A					
Filling weigh	nt g	190					
Global Warn for R449A	ning Potent	ial 1397					
Carbon diox t	ide equivale	ent 0.2654	3				

Technical data

Available voltage versions		Bath		
Order No.	9 012 707	Bath tank	Stainless steel	
Available voltage versions:		Bath cover	integrated	
9012707.13	230V/60Hz (Nema N6-20 Plug) (R449A)	Usable bath opening in. (W x L / D)	7.1 x 5.1 / 5.9	
9012707.03.chn	230V/50Hz (CN Plug) (R449A)			
9012707.04	230V/50Hz (UK Plug Type BS1363A) (R449A)			



9012707.05	230V/50Hz (CH Plug Type SEV 1011) (R449A)
9012707.02	115V/60Hz (Nema N5-20 Plug) (R449A)
9012707.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F) (R449A)
9012707.12	200V/50-60Hz (Nema N6-20 Plug) (R449A)

	(R449A)			
Cooling			Other	
Cooling of compressor	1-stage Air	1-stage Air	Classification	Classification III (FL)
			IP Code	IP 21
			Pump function	Pressure Pump
			Pump type	Immersion Pump
Electronics		Dimensions and volumes		
Interfaces		USB	Weight lbs	113.5
Temperature control		PID1	Barbed fittings inner diameter	8/12 mm
Absolute temperature calibr	ration	1 Point Calibration	Dimensions in. $(W \times L \times H)$	16.5 x 19.3 x 29.1
Temperature display		LED	Filling volume I	5 7.5
Temperature setting		Keypad	Pump connections	M16x1 male
Temperature values			Included in delivery	
Setting the resolution of the display °C	temperature	0.1	2 Barbed fittings for tubing 8 and 12 mm ID. (Pump connections M16x1 male)	
Working temperature range	°C	-40 + 150		
Temperature stability °C		±0.03		
Ambient temperature °C		+5 +40		

All Benefits



100% Checked.

Temperature display resolution °C

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

0.01 ... 0.1



ATC.

Absolute Temperature Calibration, 1-point calibration (CD).



Handle with ease.

Makes day-to-day work easy. Comfortably move your CORIO around by using the ergonomic handles (front and rear).



Mobile.

Extra easy handling. Integrated castors for easy repositioning of refrigerated circulators.



Space saving. Free up space.

Place your JULABO Circulator right next to an application, another unit, or wall. That saves space. This is made possible by eliminating vents and connections on the sides.



Condensation protection.

Superb design solution. Integrated ventilation directs air over the bath lid and minimizes condensation.





Green technology.

Development consistently applied environmentally friendly materials and technologies.



Internal. External.

The pump is controlled via a lever located directly below the display. Easily change between internal and external circulation.



Modern. Reliable.

High-grade components in every JULABO Circulator – platinum sensors, proven motor technology, CAN-Bus communication and much



Safety.

CORIO CD and CP comply with Class III (FL) according to DIN 12876-1 and switches off automatically in case of high temperature or low liquid level alarm.



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.



Solid.

Minimized energy loss through high-quality insulation.



Stable.

Rubber feet allow for a secured footing of your CORIO to prevent damage to your laboratory equipment.



Tidy.

The special drain tap for easy draining of bath fluids without tools.



Touching permitted.

Optimum safety. The ergonomic plastic handle protects your fingers from hot surfaces.



JULABO. Quality.

Highest standards of quality for a long product life.



Quick start.

Individual JULABO consultation and comprehensive manuals at your disposal.



Quick support

If an error occurs, the integrated Black-Box function permits fast diagnosis by the JULABO service team



Timer. Integrated.

CORIO circulators include an integrated timer function. When the set time has elapsed, a signal sounds and the device switches off. Setting range: 0 ... 999 minutes.



Brilliant.

Very bright display makes it easy to read even from a distance.



Connection. Easy.

Inclined pump connections (M16×1) facilitate the connection of applications. Each unit includes 2 barbed fittings of 8/12 mm diameter each.



Everything at the front.

All operating controls and safety functions are accessed easily and comfortably from the front.



Eveet

You can rely on it. PID1 control and 'Active Cooling Control' make the new CORIO precise and perfect.



Locked in.

The lockable power plug guarantees safe connection. More process safety.



Switch on. And off you go.

Intelligent operating concept. Ready for operation with just a few quick and easy steps.





Early warning system for low liquid level Maximum safety for applications, optical and audible alarm, allows user to refill bath fluid before the unit shuts down



Connectivity.

Remote control made easy. CORIO CD circulators feature a USB connection.