Julabo

CORIO CP-1001F Refrigerated / heating circulator

Refrigerated circulators from the CORIO CP range are suitable for applications with a temperature range up to +200°C. The enhanced pump performance ensures they are suitable for easy temperature control tasks in combination with external applications.

Product features

- Models for internal and external applications
- Bright, white, easy to read display
- Very quiet
- Easy pump change-over between internal and external circulation
- External pump connections
- Powerful and infinitely adjustable pressure pump
- USB connection
- RS232 interface for online communication
- Space-saving cooling coil design provides more usable space in the bath tank
- Bath lid and drain tap included
- Removable ventilation grid
- Refrigeration unit without side vents
- Unique early warning system for low liquid level
- Class III (FL) according to DIN 12876-1

Performance values

230V/60Hz (Schuko Plug - CEE 7/4 Plug Type F)				
Heating capacity kW	2			
Viscosity max. cST	50			
Pump capacity flow rate I/min	8 27			
Pump capacity flow pressure psi	1.5 10.2			
Power A	16			



Julabo

Order No.		9013708.33						
Cooling capacity (Ethanol)								
°C	20	10	0	-10	-20	-30		
kW	1	0.95	0.9	0.6	0.32	0.12		
[•] Performance specifications measured in accordance with DIN12876. Cooling capacities up to 20 °C measured with ethanol; over 20 °C with thermal oil unless otherwise specified. Performance specifications apply at an ambient temperature of 20 °C. Performance values may differ with other bath fluids.								
Refrigerant stage 1								
Refrigerant		R449A						
Filling volume g		170						
Global Warming Potential for R449A		1397						
Carbon dioxide equivalent t		0.237						

Technical data

Available voltage versions			Bath			
Order No.	9 013 708		Bath tank	Stainless steel		
Available voltage versions:		Bath cover	integrated			
9013708.04	 230V/50-60Hz (UK Plug Type BS1363A) (R449A) 230V/50-60Hz (CH Plug Type SEV 1011) (R449A) 230V/50-60Hz (Schuko Plug - CEE 7/4 Plug Type F) (R449A) 		Usable bath opening in. (W x L / D)	13.8 x 16.1 / 11.8		
9013708.05						
9013708.33						
9013708.33.chn	230V/50-60Hz (CN Plug) (R449A)				
Cooling			Other			
Cooling of compressor		1-stage Air	Classification	Classification III (FL)		
			IP Code	IP 21		
			Pump function	Pressure Pump		
			Pump type	Immersion Pump		
Electronics			Dimensions and volumes			
Digital interface		RS232, USB	Weight lbs	162.5		
Temperature control		PID1	Barbed fittings inner diameter	8/12 mm		
Absolute temperature calibration		3 Point Calibration	Dimensions in. ($W \times L \times H$)	17.7 x 25.2 x 37.4		
Temperature displayTemperature display		LED	Filling volume I	42 56		
Temperature settingTemperature setting		Keypad	Pump connections	M16x1 male		
Electronic Timer hr:min		0 999				
Temperature values		Included in delivery				
Working temperature rang	ge °C	-38 +100	2 Barbed fittings for tubing 8 and 12 mm ID. (Pump connections M16x1 male)			
Temperature stability °C		±0.03				
Ambient temperature °C		+5 +40	+40			
Temperature display reso	lution °C	0.01 0.1				

All Benefits



Condensation protection.

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



Internal. External.

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



More bath.

Designed for more comfort. Thanks to the recessed cooling coil, the internal bath provides more space.



insulation.

Solid.



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

Minimized energy loss through high-quality



100% Checked.

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



Touching permitted. Optimum safety. The ergonomic plastic handle

protects your fingers from hot surfaces.



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



Services 24/7.

Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies, and more at www.julabo.us.



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.



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.



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.



Tidy.

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



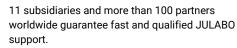
Green technology. Development consistently applied environmentally

friendly materials and technologies.



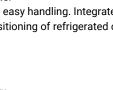
JULABO. Quality. Highest standards of quality for a long product life.

Satisfied customers.





Highest measuring accuracy 'Absolute Temperature Calibration' for manual compensation of a temperature difference, 3-point calibration











Quick support

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



Connection. Easy.

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



Exact.



Switch on. And off you go. Intelligent operating concept. Ready for operation with just a few quick and easy steps.



Powerful. Adjustable. Strong pressure pump, continuously adjustable.



370

Early warning system for low liquid level.

CORIO circulators include an integrated timer

function. When the set time has elapsed, a signal sounds and the device switches off. Setting range:

Maximum safety for your application. Optical and audible alarm allows user to refill bath fluid in time.



Connectivity.

Remote control made easy. CORIO CP circulators feature a USB connection and RS232 interface.

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



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



Everything at the front.

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

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

Timer. Integrated.

0 ... 999 minutes.

Locked in.