

## CORIO CP Heating immersion circulator

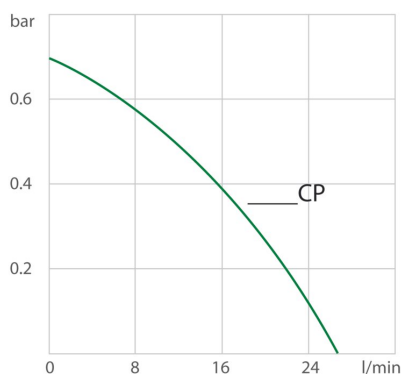
In addition to the advantages of the CORIO C circulator, the CORIO CD and CP immersion circulator can be equipped with an optional pump set for temperature control of external applications.

### Product features

- Precise temperature control
- For internal and external applications
- For bath tanks with a max. filling volume of 50 liters
- Immersion depth: 7.5 ... 16.5 cm
- Bright, white, easy to read display
- Very quiet
- powerful and infinitely adjustable pressure pump
- USB connection
- RS232 interface for online communication
- Unique early warning system for low liquid level
- Class III (FL) according to DIN 12876-1
- Easy operation



### Pump capacity



Medium: Water

### Performance values

230V/50Hz ()	
Heating capacity kW	2
Viscosity max. cSt	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2
Power consumption A	10

### Technical data

Available voltage versions

Cooling

Order No.	9 013 000	Cooling coil	accessory
Available voltage versions:			
9013000.04	200-230V/50-60Hz (UK Plug Type BS1363A)		
9013000.05	200-230V/50-60Hz (CH Plug Type SEV 1011)		
9013000.22	100-115V/50-60Hz (Nema N5-15 Plug)		
9013000.33	200-230V/50-60Hz ( )		
9013000.33.chn	200-230V/50-60Hz ( )		

Other	
Classification	Classification III (FL)
IP Code	IP 21
Pump function	Pressure Pump
Pump type	Immersion Pump

Electronics	
Interfaces	RS232, USB
Temperature control	PID1
Absolute temperature calibration	3 Point Calibration
Temperature display	LED
Temperature setting	Keypad
Electronic Timer h:min	0 ... 999

Dimensions and volumes	
Weight lbs	5.5
Minimum filling height below the upper edge of the bath tank in.	1.8
Minimum depth of bath vessel in.	5.9
Dimensions in. (W x L x H)	5.2 x 6.3 x 14.3

Temperature values	
Setting the resolution of the temperature display °C	0.1
Working temperature range °C	+20 ... +200
Temperature stability °C	±0.02
Ambient temperature °C <sup>1</sup>	+5 ... +40
Setting the resolution of the temperature display °C	0.01 ... 0.1

<sup>1</sup> For applications near or below ambient temperature: use a cooling coil or JULABO immersion cooler.

## All Benefits



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



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



**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.



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



**Exact.**  
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.



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



**Powerful. Adjustable.**  
Strong pressure pump, continuously adjustable.



**Early warning system for low liquid level.**  
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.



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



**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](http://www.julabo.com).



**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