

## CORIO CD Heating immersion circulator

In addition to the advantages of the CORIO C circulator, the CORIO CD 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 (accessories required)
- For bath tanks with a max. filling volume of 50 liters
- Bright, white, easy to read display
- Very quiet
- Easy operation
- Easy pump change-over between internal and external circulation
- USB connection
- Class III (FL) according to DIN 12876-1
- Powerful and infinitely adjustable pressure pump



### Performance values

#### 115V/60Hz (Nema N5-15 Plug)

Heating capacity kW	1
Viscosity max. cST	50
Pump capacity flow rate l/min	16
Pump capacity flow pressure psi	4.8
Power A	10

#### 230V/60Hz (Schuko Plug - CEE 7/4 Plug Type F)

Heating capacity kW	2
Viscosity max. cST	50
Pump capacity flow rate l/min	17
Pump capacity flow pressure psi	6.2
Power A	10

### Technical data

#### Available voltage versions

Order No. 9 012 000

#### Available voltage versions:

9012000.01	100V/50-60Hz (Nema N5-15 Plug)
9012000.02	115V/60Hz (Nema N5-15 Plug)
9012000.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)
9012000.03.chn	230V/50Hz (CN Plug)
9012000.04	230V/50Hz (UK Plug Type BS1363A)

#### Cooling

Cooling coil accessory

9012000.05	230V/50Hz (CH Plug Type SEV 1011)
9012000.13	230V/60Hz (Schuko Plug - CEE 7/4 Plug Type F)

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

Electronics	
Digital interface	USB
Temperature control	PID1
Absolute temperature calibration	1 Point Calibration
Temperature display	Temperature display
Temperature display	LED
Temperature setting	Temperature setting
Temperature setting	Keypad

Dimensions and volumes	
Usable immersion depth in.	6.5
Weight lbs	5.7
Dimensions in. (W x L x H)	5.2 x 6.3 x 14.4

Temperature values	
Setting the resolution of the temperature display °C	0.1
Working temperature range °C	+20 ... +150
Temperature stability °C	±0.03
Ambient temperature °C	+5 ... +40
Temperature display resolution °C	0.01 ... 0.1

For applications near or below ambient temperature: use a cooling coil or JULABO immersion cooler.

### All Benefits



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



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



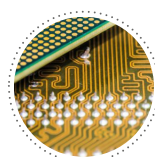
**Green technology.**  
Development consistently applied environmentally friendly materials and technologies.



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



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



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



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



**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 (M16x1) 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.



**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.



**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.