

## Product data sheet

# CORIO CD-B19 Heating circulator with stainless steel open bath

for internal and external applications at working temperatures up to +150 °C

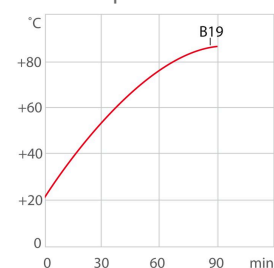


### Product Features

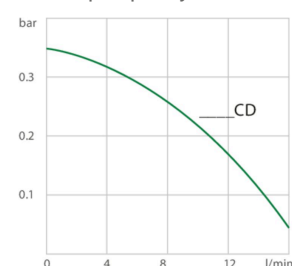
- ✓ Bright, white, easy to read display
- ✓ Very quiet
- ✓ easy switching between internal and external circulation
- ✓ USB connection
- ✓ High-quality bath tanks made of stainless steel
- ✓ For internal and external applications
- ✓ Integrated drain screw (except B5)
- ✓ Integrated pump connection M16×1



Heat-up time Medium: Water



Pump capacity Medium: Water



## Performance values

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

Heating capacity kW 2

Viscosity max. cSt 50

Pump capacity flow pressure l/min 15

Pump capacity pressure bar 0.35

Power consumption A 10

Voltage Tolerance % 230V | ±10

## Technical data

### Available voltage versions

Order No. 9012419

### Available voltage versions:

9012419.01 100V 50/60Hz (Nema N5-15 Plug)

9012419.02 115V 60Hz (Nema N5-15 Plug)

9012419.03 230V 50Hz (Schuko Plug - CEE 7/4 Plug Type F)

9012419.03.chn 230V 50Hz (CN Plug)

9012419.04 230V 50Hz (UK Plug Type BS1363A)

9012419.05 230V 50Hz (CH Plug Type SEV 1011)

9012419.13 230V 60Hz (Nema N5-15 Plug)

### Cooling

Cooling coil

accessory

### Bath

Bath tank

Stainless steel

Bath cover

accessory

Usable bath opening cm (W x L / D)

30 x 35 / 15

### Electronics

Interfaces

USB

Temperature control

PID1

Absolute temperature calibration

1 Point Calibration

Temperature display

LED

Temperature setting

Keypad

### Dimensions and volumes

Weight kg

11.5

Barbed fittings inner diameter mm

8/12 mm

Total dimensions cm (W x L x H)

38 x 58 x 42

Filling volume l

14 ... 19

Pump connections

M16x1 male

### Temperature values

Setting the resolution of the temperature display °C

0.1

Working temperature range °C <sup>1</sup>

+20 ... +150

Temperature stability °C

±0.03

Ambient temperature °C

+5 ... +40

Temperature display resolution °C

0.01 ... 0.1

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

### Other

Classification

Classification III (FL)

IP Code

IP 21

Pump function

Pressure Pump

Pump type

Immersion Pump

## Included in delivery

2 Barbed fittings for tubing 8 and 12 mm ID. (Pump connections M16x1 male)

## All Benefits



### Brilliant.

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



### 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.



### 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.



## 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.



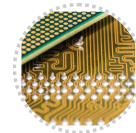
## Internal. External.

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



## Stable.

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



### Quick start.

Individual JULABO consultation and comprehensive manuals at your disposal.

Refer to [www.julabo.com](http://www.julabo.com) for more information regarding the entire JULABO product portfolio. Technical changes without prior notification. Images may deviate from the original. | Datasheet No.EN9012419/250730