CORIO CP-200F 1/4

CORIO CP-200F Refrigerated/Heating Circulator

with an enhanced pump performance and a temperature range up to +200°C

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.

Your advantages

- · Models for internal and external applications
- Bright, white, easy-to-read display
- · Very quiet
- Easy change-over from internal to external circulation and vice versa
- External pump connections (M16×1)
- USB interface
- R232 interface
- 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
- System for low liquid level
- · Class III (FL) according to DIN 12876-1

Technical Data

Order No.	9013701
Model series	CORIO
Category	Refrigerated - Heating Circulators
Working temperature range (°C)	-20 +200
Temperature control	PID
Temperature stability (°C)	±0.03
Setting / display resolution	0.01 – 0.1 °C
Temperature Display	LED
Heating capacity (kW)	1
Pump capacity flow rate (I/min)	8 27
Pump capacity flow pressure (psi)	1.5 10.2
Bath opening / bath depth (W x L / D inch)	5.1 x 5.9 / 5.9
Pump connections	M16x1
Barbed fittings diameter (inner dia. / mm)	8 / 12
Filling volume liters	3 4
Refrigerant stage 1	R134a
Filling volume refrigerant stage 1 (g)	70
Global Warming Potential for	1430
Carbon dioxide equivalent stage 1 (t)	0.1







Ambient temperature	540 °C
Dimensions W x L x H (inch)	9.1 x 15.4 x 25.6
Weight (LBS)	57.3
Included with each unit	2 each barbed fitting for tubing 8 and 12 mm inner dia. (pump connections M16x1 male)
Bath tank	Stainless steel
Bath cover	integrated
Cooling of compressor	Air
Available voltage versions	230V/50-60Hz 115 V / 60 Hz 100 V / 50-60 Hz

Characteristics



100% Checked.

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



ATC.

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



Brilliant.

Bright display with strong illumination can be viewed easily from a long distance.



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



Connection. Easy.

Inclined pump connections (M16x1) facilitate the connection of applications. Each unit includes 2 barbed fittings of 8/12 mm diameter each.



Connectivity.

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



More bath.

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



Powerful. Adjustable. Strong pressure pump, continuously adjustable.



Quick start.

Individual JULABO consultation and comprehensive manuals at your disposal.



Safety.

CORIO complies 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.



Product data sheet

CORIO CP-200F 3/4



Early warning system for low liquid level. Maximum safety for your application. Optical

and audible alarm allows user to refill bath fluid in time.



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.



Green technology.

Development consistently applied environmentally friendly materials and technologies.



Handle with ease.

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



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.



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



Minimized energy loss through high-quality insulation.



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.



Stable.

Solid.

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



Switch on. And off you go.

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



Click.

One for all. Control the circulator and the refrigeration unit with only one power switch.



Tidv.

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



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



Touching permitted.

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





Product data sheet



Mobile.

Extra easy handling. Integrated castors for easy repositioning of refrigerated circulators. (CD-600F, CD-601F, CD-900F, CD-1000F, CD-1001F)



Modern. Reliable.

Every JULABO Circulator is equipped with high-grade components like i.e. platinum sensors, proven motor technology, CAN-Bus communication and much more.



Unique.

Specially designed pyramids ensure that the condensed liquid drips directly back into the bath.

USB.



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

Refer to www.julabo.us for more information regarding the entire JULABO product portfolio. Technical changes without prior notification. Images may deviate from the original.