

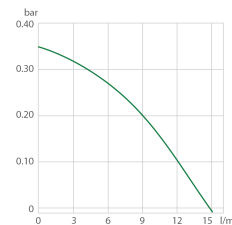
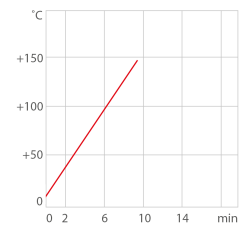
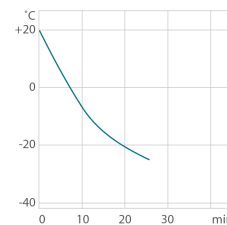
## CORIO CD-300F Refrigerated/Heating Circulator

The new generation of laboratory circulators for routine work and standard tasks

Refrigerated / Heating Circulators of the new CORIO™ series distinguish themselves with a great price-to-performance ratio. They are ideal for all standard tasks and routine work in laboratories and industry.

### Your advantages

- Models for internal and external applications
- Bright, white, easy to read display
- Very quiet
- Easy pump change-over (internal and external circulation)
- External pump connections (M16x1)
- USB connection
- Space-saving cooling coil design yields more usable space in the bath tank
- Bath lid and drain tap included
- Removable ventilation grid
- Refrigeration unit without side vents
- Class III (FL) according to DIN 12876-1



- Cool-down time (Ethanol)
- Heat-up time (thermal)
- Pump capacity (Water)

### Technical Data

Order No.	9012703
Model series	CORIO
Category	Refrigerated - Heating Circulators
Working temperature range (°C)	-25 ... +150
Temperature control	PID
Temperature stability (°C)	±0.03
Setting / display resolution	0.01 – 0-1 °C
Temperature Display	LED
Heating capacity (kW)	2
Cooling capacity (Medium Ethanol)	°C 20 0 -20 kW 0.31 0.28 0.11
Pump capacity flow rate (l/min)	15
Pump capacity flow pressure (bar)	0.35
Bath opening / bath depth (W x L / D cm)	13 x 15 / 15

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)	100
Global Warming Potential for R134a	1430
Carbon dioxide equivalent stage 1 (t)	0.143
Ambient temperature	5...40 °C
Dimensions W x L x H (cm)	24 x 42 x 66
Weight (kg)	28
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	230 V / 50 Hz 208 V - 230 V / 60 Hz 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.



#### Quick start.

Individual JULABO consultation and comprehensive manuals at your disposal.



#### ATC.

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



#### Safety.

CORIO CD complies with Class III (FL) according to DIN 12876-1 and switches off automatically in case of high temperature or low liquid level alarm.



#### Brilliant.

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



#### Satisfied customers.

11 subsidiaries and more than 100 partners worldwide guarantee fast and qualified JULABO support.



#### Condensation protection.

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



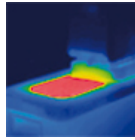
#### Services 24/7.

Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies, and more at [www.julabo.com](http://www.julabo.com).



**Connection. Easy.**

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



**Solid.**

Minimized energy loss through high-quality insulation.



**Everything at the front.**

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



**Space saving. Free up space.**

Place your CORIO right next to an application, another unit, or wall. That saves space. This is made possible by eliminating vents and connections on the sides.



**Exact.**

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



**Stable.**

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



**Green technology.**

Development consistently applied environmentally friendly materials and technologies.



**Switch on. And off you go.**

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



**Handle with ease.**

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



**Switch on. And off you go.**

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



**Internal. External.**

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



**Tidy.**

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



**JULABO. Quality.**

Highest standards of quality for a long product life.



**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



**Locked in.**

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



**Touching permitted.**

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



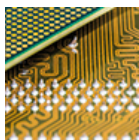
**Mobile.**

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



**Unique.**

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



**Modern. Reliable.**

High-grade components in every CORIO – platinum sensors, proven motor technology, CAN-Bus communication and much more.



**USB.**

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