CORIO CP-601F Refrigerated – Heating Circulator

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 pump change-over between internal and external circulation
- External pump connections
- Powerful and infinitely adjustable pressure pump
- USB connection
- RS232 interface for online communication
- 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

Technical data

Available voltage versions	
Order No.	9 013 705
Available voltage versions:	
9 013 705.01	
9 013 705.02	
9 013 705.33	
9 013 705.04	
9 013 705.05	
9 013 705.33.chn	

Bath	
Bath tank	Stainless steel
Bath cover	integrated
Usable bath opening cm (W x L / D)	22 x 15 / 20

Cooling	
Cooling of compressor	1-stage Air

Other	
Classification	Classification III (FL)
Pump function	Pressure Pump
Pump type	Immersion Pump

Electronics	
Temperature control	PID1
Absolute temperature calibration	1 Point Calibration
Temperature display	LED
Temperature setting	Keypad
Electronic Timer hr:min	0 ... 999

Dimensions and volumes	
Weight kg	38.5
Barbed fittings inner diameter	8/12 mm
Dimensions cm (W × L × H)	36 x 46 x 74
Filling volume l	8 ... 10
Pump connections	M16x1 male

Temperature values	
Working temperature range °C	-35 ... +200
Temperature stability °C	±0.03
Ambient temperature °C	+5.0 ... +40.0
Temperature display resolution °C	0.01 ... 0.1

Performance values

100V/50Hz

Heating capacity kW	0.8
Cooling capacity (Ethanol)	

°C	200	20	10	0	-10	-20	-30
kW	0.6	0.6	0.54	0.5	0.33	0.19	0.07

Viscosity max. cST	50
Refrigerant	R404A
Filling volume g	200
Global Warming Potential for R404A	3922
Carbon dioxide equivalent t	0.784
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure bar	0.1 ... 0.7

100V/60Hz

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115V/60Hz

Heating capacity kW	1
Cooling capacity (Ethanol)	

°C	200	20	0	-10	-20	-30
kW	0.6	0.6	0.44	0.27	0.16	0.04

Viscosity max. cST	50
Refrigerant	R449A
Filling volume g	150
Global Warming Potential for R449A	1397
Carbon dioxide equivalent t	0.21
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure bar	0.1 ... 0.7

200V/50Hz

Heating capacity kW	1.8
Cooling capacity (Ethanol)	

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kW	0.6	0.6	0.44	0.27	0.16	0.04

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230V/50Hz

Heating capacity kW	2
Cooling capacity (Ethanol)	

°C	200	20	0	-10	-20	-30
kW	0.6	0.6	0.44	0.27	0.16	0.04

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Refrigerant	R449A

230V/60Hz

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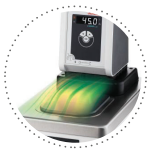
All Benefits

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



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

Handle with ease.
Makes day-to-day work easy. Comfortably move your JULABO Circulator around by using the ergonomic handles (front and rear).

Mobile.
Extra easy handling. Integrated castors for easy repositioning of refrigerated circulators.

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

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.

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

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

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

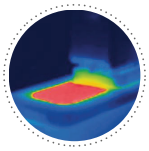
Satisfied customers.
11 subsidiaries and more than 100 partners worldwide guarantee fast and qualified JULABO support.

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.

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

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



Solid.
Minimized energy loss through high-quality insulation.

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

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

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

Quick start.
Individual JULABO consultation and comprehensive manuals at your disposal.

Services 24/7.
Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies, and more at www.julabo.com.

Connection. Easy.
Inclined pump connections (M16×1) 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.

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.