

## CORIO CD-600F 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



**Made**  
in Germany

### Technical Data

|                                            |                                    |     |      |      |
|--------------------------------------------|------------------------------------|-----|------|------|
| Order No.                                  | 9012704                            |     |      |      |
| Model series                               | CORIO                              |     |      |      |
| Category                                   | Refrigerated - Heating Circulators |     |      |      |
| Working temperature range (°C)             | -30 ... +150                       |     |      |      |
| Temperature control                        | PID                                |     |      |      |
| Temperature stability (°C)                 | ±0.03                              |     |      |      |
| Setting / display resolution               | 0.1 °C                             |     |      |      |
| Temperature Display                        | LED                                |     |      |      |
| Heating capacity (kW)                      | 1                                  |     |      |      |
| Cooling capacity (Medium Ethanol)          | °C                                 | 20  | 0    | -20  |
|                                            | kW                                 | 0.6 | 0.53 | 0.22 |
| Pump capacity flow rate (l/min)            | 15                                 |     |      |      |
| Pump capacity flow pressure (psi)          | 5.08                               |     |      |      |
| Bath opening / bath depth (W x L / D inch) | 8.6 x 5.9 / 5.9                    |     |      |      |
| Pump connections                           | M16x1                              |     |      |      |
| Barbed fittings diameter (inner dia. / mm) | 8 / 12                             |     |      |      |
| Filling volume liters                      | 5 ... 7.5                          |     |      |      |
| Refrigerant                                | R404A                              |     |      |      |
| Ambient temperature                        | 5...40 °C                          |     |      |      |
| Dimensions W x L x H (inch)                | 16 x 18.5 x 27.2                   |     |      |      |
| Weight (LBS)                               | 79.4                               |     |      |      |

|                            |                                                                     |
|----------------------------|---------------------------------------------------------------------|
| Bath tank                  | Stainless steel                                                     |
| Bath cover                 | integrated                                                          |
| Cooling of compressor      | Air                                                                 |
| Available voltage versions | 230 V / 50 Hz<br>115 V / 60 Hz<br>230 V / 60 Hz<br>100 V / 50-60 Hz |

## Characteristics



### 100% Checked.

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



### More bath.

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



### ATC.

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



### No sweat.

CORIO™ works robust and reliable – even at ambient temperatures of up to +40 °C.



### Brilliant.

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



### Quick start.

Individual JULABO consultation and comprehensive manuals at your disposal.



### Cleaning. Easy.

Not only do the new units look good. The functional design makes cleaning a breeze.



### 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.



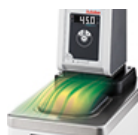
### Click.

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



### 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.



### Saves energy.

As you desire. Various modes for the refrigeration unit: permanently on, permanently off, or on as refrigeration is needed.



### Connection. Easy.

Inclined pump connections (M16x1) facilitate the connection of applications. Each unit



### Services 24/7.

Around the clock availability. You can find suitable accessories, data sheets, manuals,



## Everything at the front.

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



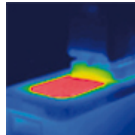
## Soft. Quiet.

CORIO™ circulators are cushion mounted. Protects the electronics. Reduces operating noise and vibration.



## Exact.

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



## Solid.

Minimized energy loss through high-quality insulation.



## Green technology.

Development consistently applied environmentally friendly materials and technologies.



## 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.



## Handle with ease.

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



## Stable.

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



## Internal. External.

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



## Switch on. And off you go.

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



## JULABO. Quality.

Highest standards of quality for a long product life.



## Tidy.

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



## 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.



## Maintenance. Friendly.

The front magnetic grid can be removed easily for user-friendly cleaning and maintenance. Without tools.



## Unique.

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



## Mobile.

Extra easy handling. Integrated castors for



## USB.

Remote control made easy. CORIO™ CD