

F500 Compact recirculating cooler

The compact recirculating coolers in the F Series are economic models for routine applications in laboratories. The instruments cool in a temperature range of -10 or 0 °C to +40 °C and achieve a stability of $\pm 0.5^\circ\text{C}$. The space saving design and lack of side vents allow flexible positioning even in small laboratories. Their high efficiency mean that the coolers in the F Series are an economic and environmentally friendly alternative to cooling with tap water. Low acquisition costs mean that they pay for themselves within a very short time.



Product features

- Environmentally friendly operation with low energy consumption
- No side vents, instruments can be placed right next to other equipment
- All wetted parts made of stainless steel or high grade plastic (except FC-T models)
- Large, bright LED display
- Compact design
- Splash-proof keypad
- Easy filling and Drain tap easily accessible

Performance values

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

Pump capacity flow rate l/min 24

Pump capacity flow pressure bar 0.5

Power consumption A 3

Order No. 9620050.03

Cooling capacity (Water Glycol)

| °C | 20 | 10 | 5 | 0 |
|-----------------|-----|-----|-----|------|
| kW ¹ | 0.5 | 0.4 | 0.3 | 0.25 |

Refrigerant stage 1

Refrigerant R134a

Filling weight g 160

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.2288

¹ Performance specifications measured in accordance with DIN 12876. Cooling capacities up to 20 °C measured with ethanol; over 20 °C with thermal oil unless otherwise specified. Performance specifications apply at an ambient temperature of 20 °C. Performance values may differ with other bath fluids.

Technical data

Available voltage versions

Cooling

| | | | |
|------------------------------------|---|-----------------------|-------------|
| Order No. | 9 620 050 | Cooling of compressor | 1-stage Air |
| Available voltage versions: | | | |
| 9620050.01 | 100V/50-60Hz (Nema N5-15 Plug) (R134a) | | |
| 9620050.02 | 115V/60Hz (Nema N5-15 Plug) (R134a) | | |
| 9620050.03 | 230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F) (R134a) | | |
| 9620050.13 | 230V/60Hz (Schuko Plug - CEE 7/4 Plug Type F) (R134a) | | |
| 9620050.05 | 230V/50Hz (CH Plug Type SEV 1011) (R134a) | | |
| 9620050.04 | 230V/50Hz (UK Plug Type BS1363A) (R134a) | | |

Bath

Bath tank Stainless steel

Other

Sound pressure level dbA 62
 Classification Classification I (NFL)
 IP Code IP 20
 Pump type Centrifugal Pump

Electronics

Temperature control PID1
 Temperature display LED
 Temperature setting Keypad

Dimensions and volumes

Weight kg 37
 Barbed fittings inner diameter mm 8/12 mm
 Dimensions cm (W × L × H) 37.5 x 44 x 59
 Filling volume l 5 ... 7.5
 Pump connections M16x1 male

Temperature values

Setting the resolution of the temperature display °C 0.1
 Return flow temperature max. °C +80
 Working temperature range °C 0 ... +40
 Temperature stability °C ±0.5
 Ambient temperature °C +5 ... +40
 Setting the resolution of the temperature display °C 0.1

Included in delivery

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

All Benefits



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



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



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



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



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.



Precise
PID Temperature control with set control parameters, temperature stability $\pm 0.02 \dots \pm 0.2 \text{ }^\circ\text{C}$