

F250 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	15
Pump capacity flow pressure bar	0.35
Power A	3

Order No. 9620025.03

Cooling capacity (Water Glycol)

°C	20	15	10	5	0	-5	-10
kW	0.25	0.24	0.22	0.21	0.18	0.09	0.06

* 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.

Refrigerant stage 1

Refrigerant R134a

Filling weight g 113

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.162

Technical data

Available voltage versions		Bath	
Order No.	9 620 025	Bath tank	Stainless steel
Available voltage versions:			
9620025.01	100V/50-60Hz (Nema N5-15 Plug) (R134a)		
9620025.02	115V/60Hz (Nema N5-15 Plug) (R134a)		
9620025.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F) (R134a)		
9620025.04	230V/50Hz (UK Plug Type BS1363A) (R134a)		
9620025.05	230V/50Hz (CH Plug Type SEV 1011) (R134a)		
9620025.12	200V/50-60Hz (Schuko Plug - CEE 7/4 Plug Type F) (R134a)		
9620025.13	230V/60Hz (Schuko Plug - CEE 7/4 Plug Type F) (R134a)		
Cooling		Other	
Cooling of compressor	1-stage Air	Sound pressure level dbA	59
		Classification	Classification I (NFL)
		IP Code	IP 20
		Pump type	Centrifugal Pump
Electronics		Dimensions and volumes	
Temperature control	PID1	Weight kg	27
Temperature display	LED	Barbed fittings inner diameter	8/10 mm
Temperature setting	Keypad	Dimensions cm (W × L × H)	24 x 40 x 52
		Filling volume l	1.7 ... 2.6
		Pump connections	M10x1 female
Temperature values		Included in delivery	
Setting the resolution of the temperature display °C	0.1	2 barbed fittings suitable for tubing 8 and 10 mm inner dia. (pump connections M10x1 female)	
Return flow temperature max. °C	+80		
Working temperature range °C	-10 ... +40		
Temperature stability °C	±0.5		
Ambient temperature °C	+5 ... +40		
Temperature display resolution °C	0.1		

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 $\pm 0.02 \dots \pm 0.2 \text{ }^\circ\text{C}$