F1000 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 ±0.5°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	23
Pump capacity flow pressure bar	1
Power consumption A	5

Order No.	9620100.03			
Cooling capacity (Water Glycol)				
°C	20	10	5	0
kW [1]	1	0.7	0.55	0.35

Refrigerant stage 1	
Refrigerant	R134a
Filling weight g	295
Global Warming Potential for R134a	1430
Carbon dioxide equivalent t	0.42185

[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.	9 620 100
Available voltage versions:	
9620100.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F) (R134a)
9620100.13	230V/60Hz (Schuko Plug - CEE 7/4 Plug Type F) (R134a)
9620100.02	115V/60Hz (Nema N5-15 Plug) (R134a)
9620100.05	230V/50Hz (CH Plug Type SEV 1011) (R134a)
9620100.04	230V/50Hz (UK Plug Type BS1363A) (R134a)

Cooling of compressor	1-stage Air

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	45
Barbed fittings inner diameter mm	8/12 mm
Dimensions cm (W × L × H)	37.5 x 49 x 64
Filling volume l	7 ... 9.5
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 ±0.02...±0.2 °C