

## 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  $\pm 0.5^{\circ}\text{C}$ . 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.



### Your advantages

- 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

### Technical data

<b>Available voltage versions</b>		<b>Bath</b>	
Order No.	9 620 100	Bath tank	Stainless steel
Available voltage versions:			
9 620 100.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)		
9 620 100.13	230V/60Hz (Schuko Plug - CEE 7/4 Plug Type F)		
9 620 100.02	115V/60Hz (Nema N5-15 Plug)		
9 620 100.05	230V/50Hz (CH Plug Type SEV 1011)		
9 620 100.04	230V/50Hz (UK Plug Type BS1363A)		
<b>Cooling</b>		<b>Other</b>	
Cooling of compressor	1-stage Air	Sound pressure level dbA	62
		Classification	Classification I (NFL)
		IP Code	IP 20
		Pump type	Centrifugal Pump
<b>Electronics</b>		<b>Dimensions and volumes</b>	
Temperature control	PID1	Weight kg	45
Temperature display	LED	Barbed fittings inner diameter	8/12 mm
Temperature setting	Keypad	Dimensions cm (W x L x H)	37.5 x 49 x 64
		Filling volume l	7 ... 9.5
		Pump connections	M16x1 male
<b>Temperature values</b>			
Setting the resolution of the temperature display °C	0.1		
Return flow temperature max. °C	+80		
Working temperature range °C	... +40		
Temperature stability °C	$\pm 0.5$		

Ambient temperature °C	+5 ... +40
Temperature display resolution °C	0.1

**Performance values**

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

230V/50Hz				
Cooling capacity (Water Glycol)				
°C	20	10	5	0
kW	1	0.7	0.55	0.35
Refrigerant	R134a			
Filling volume g	295			
Global Warming Potential for R134a	1430			
Carbon dioxide equivalent t	0.422			
Pump capacity flow rate l/min	23			
Pump capacity flow pressure bar	1			

230V/60Hz (Schuko Plug - CEE 7/4 Plug Type F)

230V/60Hz				
Cooling capacity				
°C	20	10	5	0
kW	1	0.7	0.55	0.35
Refrigerant	R134a			
Filling volume g	295			
Global Warming Potential for R134a	1430			
Carbon dioxide equivalent t	0.422			
Pump capacity flow rate l/min	23			
Pump capacity flow pressure bar	1			

115V/60Hz (Nema N5-15 Plug)

115V/60Hz				
Cooling capacity (Water Glycol)				
°C	20	10	5	0
kW	1	0.7	0.55	0.35
Refrigerant	R134a			
Filling volume g	295			
Global Warming Potential for R134a	1430			
Carbon dioxide equivalent t	0.422			
Pump capacity flow rate l/min	23			
Pump capacity flow pressure bar	1			

230V/50Hz (CH Plug Type SEV 1011)

230V/50Hz				
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Cooling capacity

°C	20	10	5	0
kW	1	0.7	0.55	0.35

Refrigerant	R134a
Filling volume g	295
Global Warming Potential for R134a	1430
Carbon dioxide equivalent t	0.422
Pump capacity flow rate l/min	23
Pump capacity flow pressure bar	1

230V/50Hz (UK Plug Type BS1363A)

230V/50Hz

Cooling capacity

°C	20	10	5	0
kW	1	0.7	0.55	0.35

Refrigerant	R134a
Filling volume g	295
Global Warming Potential for R134a	1430
Carbon dioxide equivalent t	0.422
Pump capacity flow rate l/min	23
Pump capacity flow pressure bar	1

All Benefits



**Precise**  
PID Temperature control with set control parameters, temperature stability  $\pm 0.02 \dots \pm 0.2$  °C



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



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



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



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



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