

## 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.



### 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.	9 620 025	Bath tank	Stainless steel
Available voltage versions:			
9 620 025.01	100V/50-60Hz (Nema N5-15 Plug)		
9 620 025.02	115V/60Hz (Nema N5-15 Plug)		
9 620 025.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)		
9 620 025.04	230V/50Hz (UK Plug Type BS1363A)		
9 620 025.05	230V/50Hz (CH Plug Type SEV 1011)		
9 620 025.12	200V/50-60Hz (Schuko Plug - CEE 7/4 Plug Type F)		
9 620 025.13	230V/60Hz (Schuko Plug - CEE 7/4 Plug Type F)		
<b>Cooling</b>		<b>Other</b>	
Cooling of compressor	1-stage Air	Sound pressure level dbA	59
		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	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
<b>Temperature values</b>			

Setting the resolution of the temperature display °C	0.1
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

## Performance values

### 100V/50-60Hz (Nema N5-15 Plug)

#### 100V/50Hz

Cooling capacity (Water Glycol)

°C	20	15	10	5	0	-5	-10
kW	0.22	0.21	0.195	0.185	0.17	0.08	0.04

Refrigerant R134a

Filling volume g 133

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.19

Pump capacity flow rate l/min 15

Pump capacity flow pressure bar 0.35

#### 100V/60Hz

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

Refrigerant R134a

Filling volume g 133

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.19

Pump capacity flow rate l/min 15

Pump capacity flow pressure bar 0.35

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

#### 115V/60Hz

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

Refrigerant R134a

Filling volume g 113

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.162

Pump capacity flow rate l/min 15

Pump capacity flow pressure bar 0.35

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

#### 230V/50Hz

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

Refrigerant R134a

Filling volume g 113

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.162

Pump capacity flow rate l/min 15

Pump capacity flow pressure bar 0.35

230V/50Hz (UK Plug Type BS1363A)

230V/50Hz

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

Refrigerant R134a

Filling volume g 113

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.162

Pump capacity flow rate l/min 15

Pump capacity flow pressure bar 0.35

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

230V/50Hz

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

Refrigerant R134a

Filling volume g 113

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.162

Pump capacity flow rate l/min 15

Pump capacity flow pressure bar 0.35

200V/50-60Hz (Schuko Plug - CEE 7/4 Plug Type F)

200V/50Hz

Cooling capacity (Water Glycol)

°C	20	15	10	5	0	-5	-10
kW	0.22	0.21	0.195	0.185	0.17	0.08	0.04

Refrigerant R134a

Filling volume g 113

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.162

Pump capacity flow rate l/min 15

Pump capacity flow pressure bar 0.35

200V/60Hz

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

Refrigerant R134a

Filling volume g 113

Global Warming Potential for R134a 1430

Carbon dioxide equivalent t 0.162

Pump capacity flow rate l/min 15

Pump capacity flow pressure bar 0.35

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

230V/60Hz

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

Refrigerant R134a

Filling volume g	113
Global Warming Potential for R134a	1430
Carbon dioxide equivalent t	0.162
Pump capacity flow rate l/min	15
Pump capacity flow pressure bar	0.35

### 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.**  
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