

## FC Recirculating Coolers

for heating and cooling tasks

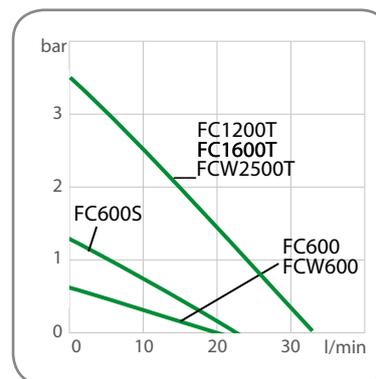
FC models offer high temperature stability and feature integrated heating in addition.

2 variants: Air-cooled (FC) and water-cooled (FCW).

- Extended working temperatures up to +80 °C
- Two LED displays
- Adjustable feed/return temperature ratio
- Filling level indicator

### Pump capacity

Bath fluid: water



## What cooling capacity do you need for your application?

The JULABO temperature control specialists can already calculate an ideal cooling capacity for you based on little data. JULABO merely needs three values, which you can determine easily for your application in most cases:

- | 1  
Temperature of the cooling water prior to entering the application
- | 2  
Temperature of the cooling water after exiting the application
- | 3  
Cooling water flow rate in liters per minute

Send these three values to [info.de@julabo.com](mailto:info.de@julabo.com). You will promptly receive a recommendation regarding the most suitable JULABO recirculating cooler.





## FCW600

<b>Order No.</b>	9 601 060		
<b>Model</b>	FCW600		
Working temperature range °C	-20 ... +80		
Temperature stability °C	±0.2		
Heating capacity kW	1.2		
Cooling capacity kW	+20 °C	+10 °C	+5 °C
	0.6	0.47	0.4
	0 °C	-10 °C	-20 °C
	0.34	0.21	-
Pump capacity	l/min	20	
Flow rate / Pressure	bar	0.5	
Filling volume liters	6 ... 8		
Dimensions cm	W × L × H 35 × 54 × 49		



## FCW600S

<b>Order No.</b>	9 601 063		
<b>Model</b>	FCW600S		
Working temperature range °C	-10 ... +80		
Temperature stability °C	±0.2		
Heating capacity kW	1.2		
Cooling capacity kW	+20 °C	+10 °C	+5 °C
	0.5	0.37	0.3
	0 °C	-10 °C	-20 °C
	0.235	0.1	-
Pump capacity	l/min	22	
Flow rate / Pressure	bar	1.2	
Filling volume liters	6 ... 8		
Dimensions cm	W × L × H 35 × 54 × 49		



## FC600

<b>Order No.</b>	9 600 060		
<b>Model</b>	FC600		
Working temperature range °C	-20 ... +80		
Temperature stability °C	±0.2		
Heating capacity kW	1.2		
Cooling capacity kW	+20 °C	+10 °C	+5 °C
	0.6	0.47	0.4
	0 °C	-10 °C	-20 °C
	0.34	0.21	-
Pump capacity	l/min	20	
Flow rate / Pressure	bar	0.5	
Filling volume liters	6 ... 8		
Dimensions cm	W × L × H 35 × 54 × 49		



## FC600S

<b>Order No.</b>	9 600 063		
<b>Model</b>	FC600S		
Working temperature range °C	-10 ... +80		
Temperature stability °C	±0.2		
Heating capacity kW	1.2		
Cooling capacity kW	+20 °C	+10 °C	+5 °C
	0.5	0.37	0.3
	0 °C	-10 °C	-20 °C
	0.235	0.1	-
Pump capacity	l/min	22	
Flow rate / Pressure	bar	1.2	
Filling volume liters	6 ... 8		
Dimensions cm	W × L × H 35 × 54 × 49		

Included in delivery: 2 barbed fittings each for tubing 8 and 12 mm inner dia. (pump connections M16x1 male)

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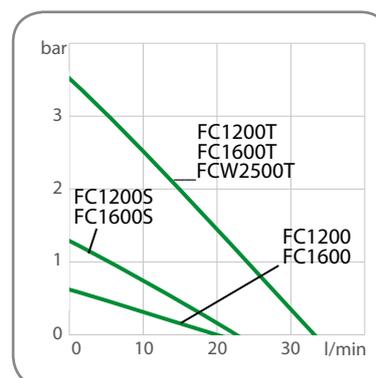
- Models starting from a cooling capacity of 1.1 kW at +20 °C
- Heating capacity 1.2 kW

### Models FC1200T, FC1600T, FCW2500T

External Pt100 sensor connection  
Analog connections for external programming  
and temperature recorder

### Pump capacity

Bath fluid: water



Included in delivery: 2 barbed fittings each for tubing 8 and 12 mm ID (pump connections M16x1 male)



### FC1200

Order No.	9 600 120		
Model	FC1200		
Working temperature range °C	-20 ... +80		
Temperature stability °C	±0.2		
Heating capacity kW	1.2		
Cooling capacity kW	+20 °C	+10 °C	+5 °C
	1.3	0.95	0.75
	0 °C	-10 °C	-20 °C
	0.66	0.37	-
Pump capacity	l/min	20	
Flow rate / Pressure	bar	0.5	
Filling volume liters	8 ... 11		
Dimensions cm	W × L × H 46 × 61 × 49		



### FC1200S

Order No.	9 600 123		
Model	FC1200S		
Working temperature range °C	-15 ... +80		
Temperature stability °C	±0.2		
Heating capacity kW	1.2		
Cooling capacity kW	+20 °C	+10 °C	+5 °C
	1.2	0.85	0.65
	0 °C	-10 °C	-20 °C
	0.555	0.26	-
Pump capacity	l/min	22	
Flow rate / Pressure	bar	1.2	
Filling volume liters	8 ... 11		
Dimensions cm	W × L × H 46 × 61 × 49		

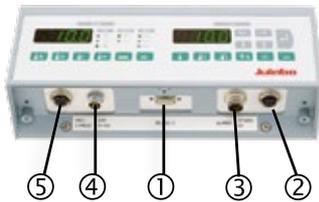


### FC1200T

Order No.	9 600 126		
Model	FC1200T		
Working temperature range °C	-10 ... +80		
Temperature stability °C	±0.2		
Heating capacity kW	1.2		
Cooling capacity kW	+20 °C	+10 °C	+5 °C
	1.1	0.75	0.55
	0 °C	-10 °C	-20 °C
	0.45	0.15	-
Pump capacity	l/min	28	
Flow rate / Pressure	bar	3.5	
Filling volume liters	8 ... 11		
Dimensions cm	W × L × H 46 × 61 × 49		

## Digital/analog connections

- ① RS232 interface
- ② Standby input
- ③ Alarm output



## FC1200T, FC1600T, FCW2500T offer in addition:

- ④ External Pt100 sensor
- ⑤ External programming, Temperature recorder



## FCW2500T

<b>Order No.</b>	9 601 256		
<b>Model</b>	FCW2500T		
Working temperature range °C	-25 ... +80		
Temperature stability °C	±0.2		
Heating capacity kW	1.2		
Cooling capacity kW	<b>+20 °C</b>	<b>+10 °C</b>	<b>+5 °C</b>
	2.5	2	1.8
	<b>0 °C</b>	<b>-10 °C</b>	<b>-20 °C</b>
	1.4	0.8	0.25
Pump capacity	l/min	28	
Flow rate / Pressure	bar	3.5	
Filling volume liters	8 ... 11		
Dimensions cm	W × L × H		
	46 × 61 × 49		



## FC1600

<b>Order No.</b>	9 600 160		
<b>Model</b>	FC1600		
Working temperature range °C	-20 ... +80		
Temperature stability °C	±0.2		
Heating capacity kW	1.2		
Cooling capacity kW	<b>+20 °C</b>	<b>+10 °C</b>	<b>+5 °C</b>
	1.65	1.25	1
	<b>0 °C</b>	<b>-10 °C</b>	<b>-20 °C</b>
	0.86	0.47	-
Pump capacity	l/min	20	
Flow rate / Pressure	bar	0.5	
Filling volume liters	8 ... 11		
Dimensions cm	W × L × H		
	46 × 61 × 49		



## FC1600S

<b>Order No.</b>	9 600 163		
<b>Model</b>	FC1600S		
Working temperature range °C	-15 ... +80		
Temperature stability °C	±0.2		
Heating capacity kW	1.2		
Cooling capacity kW	<b>+20 °C</b>	<b>+10 °C</b>	<b>+5 °C</b>
	1.55	1.15	0.9
	<b>0 °C</b>	<b>-10 °C</b>	<b>-20 °C</b>
	0.755	0.36	-
Pump capacity	l/min	22	
Flow rate / Pressure	bar	1.2	
Filling volume liters	8 ... 11		
Dimensions cm	W × L × H		
	46 × 61 × 49		



## FC1600T

<b>Order No.</b>	9 600 166		
<b>Model</b>	FC1600T		
Working temperature range °C	-15 ... +80		
Temperature stability °C	±0.2		
Heating capacity kW	1.2		
Cooling capacity kW	<b>+20 °C</b>	<b>+10 °C</b>	<b>+5 °C</b>
	1.45	1.05	0.8
	<b>0 °C</b>	<b>-10 °C</b>	<b>-20 °C</b>
	0.65	0.25	-
Pump capacity	l/min	28	
Flow rate / Pressure	bar	3.5	
Filling volume liters	8 ... 11		
Dimensions cm	W × L × H		
	46 × 61 × 49		