

## FLW7006 Powerful recirculating cooler

The powerful FL models are suitable for a wide range of cooling tasks in industrial environments, such as removal of large process heat. 2 variants: Air-cooled (FL) and water-cooled (FLW).

### Optional heating function

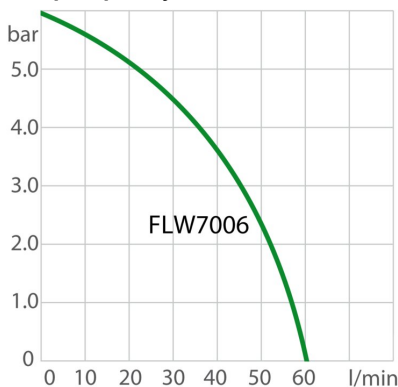
On request, we also offer our FL recirculating chillers with an additional integrated heating function and other special solutions. Our product experts will be happy to advise you individually in order to design a temperature control unit that is exactly right for your needs. Just give us a call!



### Product features

- Ergonomic design and easy operation
- Splash-proof keypad
- Large, bright LED display
- Permissible temperature in return line +80°C
- Easy filling from the top with hinged protective lid
- Low liquid level protection with optical and audible alarm signal
- Integrated stainless steel bath tanks
- Front drain
- No side vents, instruments can be placed right next to other equipment
- RS232 interface for PC connection
- IP class according to IEC 60529: 21
- Alarm output, potential-free change-over contact (max. 30 VA)
- Pressure Indicator

### Pump capacity



Medium: Water



## Performance values

<b>400V/3PNPE/50Hz (Plug 16A CEE)</b>	
Pump capacity flow rate l/min	60
Pump capacity flow pressure bar	0.5 ... 6
Power consumption A	14

Order No.	9676070.07				
<b>Cooling capacity (Ethanol)</b>					
°C	20	10	0	-10	-20
kW <sup>1</sup>	7.4	7	5.5	3.1	1.3
<b>Refrigerant stage 1</b>					
Refrigerant	R452A				
Filling weight g	1625				
Global Warming Potential for R452A	2140				
Carbon dioxide equivalent t	3.4775				

<sup>1</sup> 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

<b>Available voltage versions</b>	
Order No.	9 676 070
Available voltage versions:	
9676070.16	230V/3PPE/60Hz (Without Plug) (R449A)
9676070.07	400V/3PNPE/50Hz (Plug 16A CEE) (R452A)

<b>Bath</b>	
Bath tank	Stainless steel

<b>Electronics</b>	
Interfaces	Alarm output, RS232, Stakei
Temperature control	PID1
Temperature display	LED
Temperature setting	Keypad

<b>Temperature values</b>	
Setting the resolution of the temperature display °C	0.1

<b>Cooling</b>	
Cooling of compressor	1-stage Water
Cooling water pressure max. bar	6
<b>Recommended cooling water properties</b>	
Cooling water temperature range °C	20
Cooling water difference pressure bar	2
Cooling water consumption l/min	11.6

<b>Other</b>	
Sound pressure level dbA	74
Classification	Classification I (NFL)
IP Code	IP 21
Pump type	Immersion Pump

<b>Dimensions and volumes</b>	
Weight kg	232
Cooling Water Connection in	G¾
Barbed fittings inner diameter mm	1"
Dimensions cm (W × L × H)	78 x 85 x 148
Filling volume l	39 ... 47
Pump connections	G1¼" male

<b>Included in delivery</b>	
2 each barbed fittings for tubing 1" inner dia (pumpconnections G1 1/4" male).	

Return flow temperature max. °C	80
Working temperature range °C	-20 ... +40
Temperature stability °C	±0.5
Ambient temperature °C	+5 ... +40
Setting the resolution of the temperature display °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](http://www.julabo.com).



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



**Connection of additional equipment**  
Stakei connections for solenoid valve