

## FLW20006 Powerful recirculating cooler

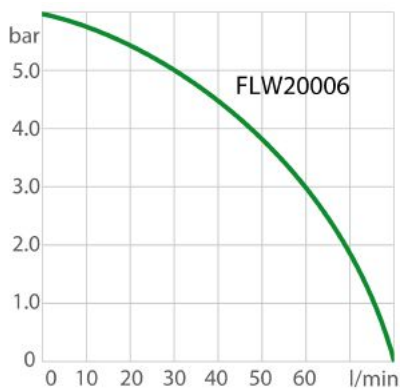
The powerful FL models are suitable for a wide range of cooling tasks in industrial environments, such as removal of large process heat. 2 variants: Air-cooled (FL) and water-cooled (FLW).



### 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



### Performance values

230V/3PPE/60Hz (Without Plug)	
Pump capacity flow rate l/min	80
Pump capacity flow pressure psi	11.6 ... 87
Power A	36

Order No.	9676200.16				
Cooling capacity (Ethanol)					
°C	20	10	0	-10	-20
kW	23.5	19.5	14.6	9.2	4.3
Refrigerant stage 1					
Refrigerant	R449A				
Filling volume g	2500				
Global Warming Potential for R449A	1397				
Carbon dioxide equivalent t	3.493				

## Technical data

<b>Available voltage versions</b>		<b>Bath</b>	
Order No.	9 676 200	Bath tank	Stainless steel
Available voltage versions:			
9676200.16	230V/3PPE/60Hz (Without Plug) (R449A)		
9676200.07	400V/3PNPE/50Hz (Plug 32A CEE) (R452A)		
<b>Cooling</b>		<b>Other</b>	
Cooling of compressor	1-stage Water	Sound pressure level dbA	69
Cooling water temperature max. °C	15	Classification	Classification I (NFL)
Cooling water pressure max. psi	87	IP Code	IP 21
Cooling water difference pressure psi	29	Pump type	Centrifugal Pump
1.0Cooling water consumption l/min	24		
<b>Electronics</b>		<b>Dimensions and volumes</b>	
Temperature control	PID1	Weight lbs	751.8
Temperature displayTemperature display	LED	Cooling Water Connection in	G¾
Temperature settingTemperature setting	Keypad	Barbed fittings inner diameter	1"
		Dimensions in. (W × L × H)	37.4 x 45.3 x 63.4
		Filling volume l	15 ... 37
		Pump connections	G1¼" 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	-20 ... +40		
Temperature stability °C	±0.5		
Ambient temperature °C	+5 ... +40		
Temperature display resolution °C	0.1		

## All Benefits



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



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Development consistently applied environmentally friendly materials and technologies.



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Highest standards of quality for a long product life.



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**Precise**  
PID Temperature control with set control parameters, temperature stability  $\pm 0.02 \dots \pm 0.2 \text{ }^\circ\text{C}$