

FL20006 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

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.	9666200.16				
Cooling capacity (Ethanol)					
°C	20	10	0	-10	-20
kW	20	15	10	7	3
* Performance specifications measured in accordance with DIN12876. 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.					
Refrigerant stage 1					
Refrigerant	R449A				
Filling volume g	5500				
Global Warming Potential for R449A	1397				
Carbon dioxide equivalent t	7.684				

Technical data

Available voltage versions		Bath	
Order No.	9 666 200	Bath tank	Stainless steel
Available voltage versions:			
9666200.16	230V/3PPE/60Hz (Without Plug) (R449A)		
9666200.07	400V/3PNPE/50Hz (Plug 32A CEE) (R452A)		
Cooling		Other	
Cooling of compressor	1-stage Air	Sound pressure level dbA	73
		Classification	Classification I (NFL)
		IP Code	IP 21
		Pump type	Centrifugal Pump
Electronics		Dimensions and volumes	
Temperature control	PID1	Weight lbs	826.7
Temperature display	LED	Barbed fittings inner diameter	1"
Temperature setting	Keypad	Dimensions in. (W × L × H)	37.4 x 45.3 x 63.4
		Filling volume l	15 ... 37
		Pump connections	G1¼" male
Temperature values		Included in delivery	
Setting the resolution of the temperature display °C	0.1	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		
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.



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.



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