

FL4006 Powerful model in tower version

The FL models shown here have higher cooling capacity, powerful circulating pumps, and internal bath volumes of up to 30 liters. 2 variants: Air-cooled (FL) and water-cooled (FLW).



Your advantages

- Ergonomic design and easy operation
- Splash-proof keypad
- Large, bright LED display
- Reliable Microprocessor PID temperature control
- Precise PID temperature control
- Powerful immersion pumps, suitable for continuous operation
- 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
- Removable ventilation grid
- 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
- By-pass valve to adjust pump pressure

Technical data

Available voltage versions		Bath	
Order No.	9 666 040	Bath tank	Stainless steel
Available voltage versions:			
9 666 040.16	230V/3PPE/60Hz (Without Plug)		
9 666 040.07	400V/3PNPE/50Hz (Plug 16A CEE)		
Cooling		Other	
Cooling of compressor	1-stage Air	Sound pressure level dbA	67
		Classification	Classification I (NFL)
		IP Code	IP 21
		Pump type	Immersion Pump
Electronics		Dimensions and volumes	
Temperature control	PID1	Weight kg	157
Temperature display	LED	Barbed fittings inner diameter	1"
Temperature setting	Keypad	Dimensions cm (W x L x H)	60 x 76 x 115
		Filling volume l	24 ... 30
		Pump connections	G1¼" male
Temperature values			
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
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Performance values

230V/3PPE/60Hz (Without Plug)

230V/3PPE/60Hz					
Cooling capacity (Water Glycol)					
°C	20	10	0	-10	-20
kW	4	2.9	1.9	0.9	0.05
Refrigerant	R404A				
Filling volume g	1800				
Global Warming Potential for R404A	3922				
Carbon dioxide equivalent t	7.06				
Pump capacity flow rate l/min	60				
Pump capacity flow pressure bar	0.5 ... 6				

400V/3PNPE/50Hz (Plug 16A CEE)

400V/3PNPE/50Hz					
Cooling capacity (Water Glycol)					
°C	20	10	0	-10	-20
kW	4	2.9	1.9	0.9	0.05
Refrigerant	R452A				
Filling volume g	2220				
Global Warming Potential for R452A	2140				
Carbon dioxide equivalent t	4.751				
Pump capacity flow rate l/min	60				
Pump capacity flow pressure bar	0.5 ... 6				

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