

FL4003 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.	9 663 040	Bath tank	Stainless steel
Available voltage versions:			
9 663 040.16	230V/3PPE/60Hz (Without Plug)		
9 663 040.07	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	148
Temperature display	LED	Barbed fittings inner diameter	¾"
Temperature setting	Keypad	Dimensions cm (W × L × H)	60 x 76 x 115
		Filling volume l	24 ... 30
		Pump connections	G¾" male
Temperature values			
Setting the resolution of the temperature display °C	0.1		
Return flow temperature max. °C	80		
Temperature display resolution °C	0.1		

Performance values

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

230V/3PPE/60Hz					
Cooling capacity (Water Glycol)					
°C	20	10	0	-10	-20
kW	4	3.4	2.4	1.5	0.6
Refrigerant	R449A				
Filling volume g	1800				
Global Warming Potential for R449A	1397				
Carbon dioxide equivalent t	2.515				
Pump capacity flow rate l/min	40				
Pump capacity flow pressure bar	0.5 ... 3				

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

400V/3PNPE/50Hz					
Cooling capacity (Water Glycol)					
°C	20	10	0	-10	-20
kW	4	3.4	2.4	1.5	0.65
Refrigerant	R452A				
Filling volume g	2220				
Global Warming Potential for R452A	2140				
Carbon dioxide equivalent t	4.751				
Pump capacity flow rate l/min	40				
Pump capacity flow pressure bar	0.5 ... 3				

Benefits

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

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