

FLW4003 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.	9 673 040	Bath tank	Stainless steel
Available voltage versions:			
9 673 040.16	230V/3PPE/60Hz (Without Plug)		
9 673 040.07	400V/3PNPE/50Hz (Plug 16A CEE)		
Cooling		Other	
Cooling of compressor	1-stage Water	Sound pressure level dbA	65
Cooling water pressure max. bar	87	Classification	Classification I (NFL)
Cooling water difference pressure psi	29 ... 87	IP Code	IP 21
1.0Cooling water consumption l/min	6.6	Pump type	Immersion Pump
Electronics		Dimensions and volumes	
Temperature control	PID1	Weight lbs	317.5
Temperature displayTemperature display	LED	Cooling Water Connection in	G ³ / ₄
Temperature settingTemperature setting	Keypad	Barbed fittings inner diameter	¾"
		Dimensions in. (W × L × H)	23.6 x 29.9 x 45.3
		Filling volume l	24 ... 30
		Pump connections	G ³ / ₄ "
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

Performance values

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

230V/3PPE/60Hz

Cooling capacity (Water Glycol)

°C	20	10	0	-10	-20
kW	4.3	3	2.2	1.3	0.45

Refrigerant	R404A
Filling volume g	700
Global Warming Potential for R404A	3922
Carbon dioxide equivalent t	2.745
Pump capacity flow rate l/min	40
Pump capacity flow pressure psi	7.3 ... 43.5

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

400V/3PNPE/50Hz

Cooling capacity (Water Glycol)

°C	20	10	0	-10	-20
kW	4.3	3	2.2	1.3	0.45

Refrigerant	R452A
Filling volume g	1100
Global Warming Potential for R452A	2140
Carbon dioxide equivalent t	2.354
Pump capacity flow rate l/min	40
Pump capacity flow pressure psi	7.3 ... 43.5

All Benefits



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



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