

# 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 v	ersions:			
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		6	Classification	Classification I (NFL)
Cooling water difference pressure bar		2 6	IP Code	IP 21
Cooling water consumption I/min		6.6	Pump type	Immersion Pump
Electronics			Dimensions and volumes	
Temperature control		PID1	Weight kg	144
Temperature display		LED	Cooling Water Connection in	G3⁄4
Temperature setting		Keypad	Barbed fittings inner diameter	3/4"
			Dimensions cm (W $\times$ L $\times$ H)	60 x 76 x 115
			Filling volume I	24 30
			Pump connections	G¾"
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 3 2.2 1.3 0.45 Refrigerant R404A

Refrigerant	R404A
Filling volume g	700
Global Warming Potential for R404A	3922
Carbon dioxide equivalent t	2.745
Pump capacity flow rate I/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 1.3 0.45 Refrigerant R452A 1100 Filling volume g Global Warming Potential for R452A 2140 2.354 Carbon dioxide equivalent t Pump capacity flow rate I/min 40 0.5 ... 3 Pump capacity flow pressure bar

### **Benefits**



### Precise

PID Temperature control with set control parameters, temperature stability ±0.02...±0.2 °C



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