

## FLW2503 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.	9 673 025	Bath tank	Stainless steel
Available voltage versions:			
9 673 025.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)		
9 673 025.04	230V/50Hz (UK Plug Type BS1363A)		
9 673 025.13	230V/60Hz (Nema N6-20 Plug)		
Cooling		Other	
Cooling of compressor	1-stage Water	Sound pressure level dbA	61
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	4.1	Pump type	Immersion Pump
Electronics		Dimensions and volumes	
Temperature control	PID1	Weight lbs	315.3
Temperature displayTemperature display	LED	Cooling Water Connection in	G $\frac{3}{4}$
Temperature settingTemperature setting	Keypad	Barbed fittings inner diameter	$\frac{3}{4}$ "
		Dimensions in. (W x L x H)	23.6 x 29.9 x 45.3
		Filling volume l	24 ... 30
		Pump connections	G $\frac{3}{4}$ " 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

## Performance values

### 230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)

#### 230V/50Hz

Cooling capacity (Water Glycol)

°C	20	10	0	-10	-20
kW	2.7	2.5	1.7	1	0.4

Refrigerant	R452A
Filling volume g	940
Global Warming Potential for R452A	2140
Carbon dioxide equivalent t	2.012
Pump capacity flow rate l/min	40
Pump capacity flow pressure psi	7.3 ... 43.5

### 230V/50Hz (UK Plug Type BS1363A)

#### 230V/50Hz

Cooling capacity (Water Glycol)

°C	20	10	0	-10	-20
kW	2.7	2.5	1.7	1	0.4

Refrigerant	R452A
Filling volume g	940
Global Warming Potential for R452A	2140
Carbon dioxide equivalent t	2.012
Pump capacity flow rate l/min	40
Pump capacity flow pressure psi	7.3 ... 43.5

### 230V/60Hz (Nema N6-20 Plug)

#### 208V/60Hz

Cooling capacity (Water Glycol)

°C	20	10	0	-10	-20
kW	2.7	2.5	1.7	1	0.4

Refrigerant	R404A
Filling volume g	720
Global Warming Potential for R404A	3922
Carbon dioxide equivalent t	2.824
Pump capacity flow rate l/min	40
Pump capacity flow pressure psi	7.3 ... 43.5

#### 230V/60Hz

Cooling capacity (Water Glycol)

°C	20	10	0	-10	-20
kW	2.7	2.5	1.7	1	0.4

Refrigerant	R404A
Filling volume g	720
Global Warming Potential for R404A	3922
Carbon dioxide equivalent t	2.824

## All Benefits



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



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