FL2503 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	
Order No.	9 663 025
Available voltage versions:	
9 663 025.13	230V/60Hz (Nema N6-20 Plug)
9 663 025.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)
9 663 025.04	230V/50Hz (UK Plug Type BS1363A)

Bath	
Bath tank	Stainless steel

Cooling	
Cooling of compressor	1-stage Air

Other	
Sound pressure level dbA	64
Classification	Classification I (NFL)
IP Code	IP 21
Pump type	Immersion Pump

Electronics	
Temperature control	PID1
Temperature display	LED
Temperature setting	Keypad

Dimensions and volumes	
Weight kg	146
Barbed fittings inner diameter	¾"
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
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/60Hz (Nema N6-20 Plug)

208V/60Hz

Cooling capacity (Water Glycol)

°C	20	10	0	-10	-20
kW	2.5	2.2	1.5	1.2	0.5

Refrigerant	R449A
Filling volume g	1400
Global Warming Potential for R449A	1397
Carbon dioxide equivalent t	1.956
Pump capacity flow rate l/min	40
Pump capacity flow pressure bar	0.5 ... 3

230V/60Hz

Cooling capacity (Water Glycol)

°C	20	10	0	-10	-20
kW	2.5	2.2	1.5	1.2	0.5

Refrigerant	R449A
Filling volume g	1400
Global Warming Potential for R449A	1397
Carbon dioxide equivalent t	1.956
Pump capacity flow rate l/min	40
Pump capacity flow pressure bar	0.5 ... 3

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

230V/50Hz

Cooling capacity (Water Glycol)

°C	20	10	0	-10	-20
kW	2.5	2.2	1.5	1.2	0.55

Refrigerant	R452A
Filling volume g	1510
Global Warming Potential for R452A	2140
Carbon dioxide equivalent t	3.231
Pump capacity flow rate l/min	40
Pump capacity flow pressure bar	0.5 ... 3

230V/50Hz (UK Plug Type BS1363A)

230V/50Hz

Cooling capacity (Water Glycol)

°C	20	10	0	-10	-20
kW	2.5	2.2	1.5	1.2	0.55

Refrigerant	R452A
Filling volume g	1510
Global Warming Potential for R452A	2140
Carbon dioxide equivalent t	3.231
Pump capacity flow rate l/min	40
Pump capacity flow pressure bar	0.5 ... 3

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 ±0.02...±0.2 °C