FL601 Recirculating Coolers for installation below a lab bench

The compact FL models are suited for a wide variety of cooling tasks.
Installation under a lab bench saves valuable space. 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
- Powerful immersion pumps, suitable for continuous operation
- Permissible temperature in return line +80°C
- Easy filling and Drain tap easily accessible
- 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)

Technical data

Available voltage versions	
Order No.	9 661 006
Available voltage versions:	
9 661 006.13	230V/60Hz (Nema N6-20 Plug)
9 661 006.02	115V/60Hz (Nema N5-15 Plug)
9 661 006.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)
9 661 006.04	230V/50Hz (UK Plug Type BS1363A)
9 661 006.05	230V/50Hz (CH Plug Type SEV 1011)

Bath	
Bath tank	Stainless steel

Cooling	
Cooling of compressor	1-stage Air

Electronics	
Temperature control	PID1
Temperature displayTemperature display	LED
Temperature settingTemperature setting	Keypad

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

Other	
Sound pressure level dbA	55
Classification	Classification I (NFL)
IP Code	IP 21
Pump type	Centrifugal Pump

Dimensions and volumes	
Weight lbs	105.8
Barbed fittings inner diameter	8/12 mm
Dimensions in. (W × L × H)	12.6 x 19.7 x 24.4
Filling volume l	5.5 ... 8
Pump connections	M16x1 male

Ambient temperature °C	5 ... 40
Temperature display resolution °C	0.1

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

230V/60Hz					
Cooling capacity					
°C	20	10	0	-10	-20
kW	0.6	0.5	0.4	0.33	0.2

Refrigerant	R449A
Filling volume g	240
Global Warming Potential for R449A	1397
Carbon dioxide equivalent t	0.335
Pump capacity flow rate l/min	23
Pump capacity flow pressure bar	14.5

115V/60Hz (Nema N5-15 Plug)

115V/60Hz					
Cooling capacity (Water Glycol)					
°C	20	10	0	-10	-20
kW	0.6	0.5	0.4	0.32	0.1

Refrigerant	R449A
Filling volume g	260
Global Warming Potential for R449A	1397
Carbon dioxide equivalent t	0.363
Pump capacity flow rate l/min	23
Pump capacity flow pressure bar	14.5

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

230V/50Hz					
Cooling capacity (Water Glycol)					
°C	20	10	0	-10	-20
kW	0.6	0.5	0.4	0.33	0.2

Refrigerant	R452A
Filling volume g	325
Global Warming Potential for R452A	2140
Carbon dioxide equivalent t	0.696
Pump capacity flow rate l/min	23
Pump capacity flow pressure bar	14.5

230V/50Hz (UK Plug Type BS1363A)

230V/50Hz

Cooling capacity

°C	20	10	0	-10	-20
kW	0.6	0.5	0.4	0.33	0.2

Refrigerant	R452A
Filling volume g	325
Global Warming Potential for R452A	2140
Carbon dioxide equivalent t	0.696
Pump capacity flow rate l/min	23
Pump capacity flow pressure bar	14.5

230V/50Hz (CH Plug Type SEV 1011)

230V/50Hz	

Cooling capacity (Water Glycol)

°C	20	10	0	-10	-20
kW	0.6	0.5	0.4	0.33	0.2

Refrigerant	R452A
Filling volume g	325
Global Warming Potential for R452A	2140
Carbon dioxide equivalent t	0.696
Pump capacity flow rate l/min	23
Pump capacity flow pressure bar	14.5

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.

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