Julabo

FL1701 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

Return flow temperature max. °C

Temperature display resolution °C

80

0.1

- 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 volt	age versions		Bath					
Order No. 9 661 017			Bath tank Stainless steel					
Available voltage	versions:							
9 661 017.03	230V/50Hz (Schuko P Type F)	lug - CEE 7/4 Plug						
9 661 017.04	230V/50Hz (UK Plug T	ype BS1363A)						
9 661 017.02	115V/60Hz (Nema N5	-20 Plug)						
9 661 017.13	230V/60Hz (Schuko P Type F)	lug - CEE 7/4 Plug						
Cooling			Other					
Cooling of comp	ressor	1-stage Air	Sound pressure level dbA	62				
			Classification	Classification I (NFL)				
			IP Code	IP 21				
			Pump type	Centrifugal Pump				
Electronics			Dimensions and volumes					
Temperature con	trol	PID1	Weight kg	78				
Temperature dis	olay	LED	Barbed fittings inner diameter	8/12 mm				
Temperature set	ting	Keypad	Dimensions cm ($W \times L \times H$)	50 x 76 x 64				
			Filling volume I	12 17				
			Pump connections	M16x1 male				
Temperature	values							
Setting the resolu display °C	ution of the temperature	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	1.7	1.5	1.1	0.85	0.4				
Refrigerant R452A									
Filling volume g 570									
Global Warming Potential for R452A 2140									
Carbon dioxide equivalent t 1.22									
Pump capacity flow rate I/min									
Pump capacity flow pressure bar									

230V/50Hz (UK Plug Type BS1363A)

230V/50Hz												
Cooling capacity (Water Glycol)												
°C	20	10										
kW	1.7	1.5	1.1	0.85	0.4							
Refrig	Refrigerant R452A											
Filling volume g 570												
Global Warming Potential for R452A 2140												
Carbon dioxide equivalent t 1.22												
Pump capacity flow rate I/min 23												
Pump capacity flow pressure bar 1												

115V/60Hz (Nema N5-20 Plug)

115V/60Hz									
Cooling capacity (Water Glycol)									
°C	20	10							
kW	1.7 1.4 1.1 0.8 0.35								
Refrigerant R449A									
Filling volume g 560									
Global Warming Potential for R449A 1397									
Carbon dioxide equivalent t 0.782									
Pump capacity flow rate I/min 23									
Pump capacity flow pressure bar 1									

230V/60Hz (Schuko Plug - CEE 7/4 Plug Type F)

208V/60Hz					230V/60Hz								
Cooling capacity					Cooling capacity								
°C	20	10	0	-10	-20		°C	20	10	0	-10	-20	
kW	1.7	1.6	1.1	0.8	0.35		kW	1.7	1.6	1.1	0.8	0.35	
Refrigerant R449A				Refrigerant					R449A				

Julabo

Filling volume g	550	Filling volume g	550
Global Warming Potential for R449A	1397	Global Warming Potential for R449A	1397
Carbon dioxide equivalent t	0.768	Carbon dioxide equivalent t	0.768
Pump capacity flow rate I/min	23	Pump capacity flow rate I/min	23
Pump capacity flow pressure bar	1	Pump capacity flow pressure bar	1

Benefits



Precise

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



Green technology.

Development consistently applied environmentally friendly materials and technologies.



100% Checked.

100% testing. 100% quality. Each JULABO Circulator undergoes thorough quality testing before leaving the factory.



Services 24/7.

Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies, and more at www.julabo.com.



JULABO. Quality. Highest standards of quality for a long product life.



Satisfied customers. 11 subsidiaries and more than 100 partners worldwide guarantee fast and qualified JULABO support.

Quick start.

Individual JULABO consultation and comprehensive manuals at your disposal.