

FT402 FT Immersion Cooler

JULABO Immersion Coolers are primarily used for counter-cooling when connected to a heating circulator, or for rapidly cooling fluids down to low temperatures. Take advantage of the space-saving design.

JULABO Immersion Coolers represent an economical alternative to conventional tap water cooling. The easy-to-use units are suitable for a variety of cooling applications.

Your advantages

- Rapid cooling of liquids down to low temperatures
- Counter-cooling of liquids in combination with heating circulators
- Dry ice substitution
- Preventing the use of precious tap water for cooling
- Compact design, small footprint
- Ease of operation



Technical data

Available voltage versions		Cooling	
Order No.	9 650 842	Cooling of compressor	1-stage Air
Available voltage versions:			
9 650 842.05			
9 650 842.02			
9 650 842.03			
9 650 842.04			
Other		Electronics	
Sound pressure level dbA	61	External pt100 sensor connection	integrated
IP Code	IP 21	Temperature control	PID1
		Temperature display	Temperature display LED
		Temperature setting	Temperature setting Keypad
Immersion cooler		Dimensions and volumes	
Immersion probe type	inflexible	Weight lbs	59.5
Dimensions immersion probe cylindrical Length in. (L x Ø)	4.7	Dimensions in. (W x L x H)	7.9 x 11.8 x 16.9
Dimensions immersion probe cylindrical Diameter in.	2		
Dimensions immersion probe cylindrical in. (L x Ø)	4.7 x 2		
Temperature values			
Working temperature range °C	-40 ... +30		
Temperature stability °C	±0.5		
Ambient temperature °C	5 ... 35		

Performance values

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

230V/50Hz

Cooling capacity (Ethanol)

°C	20	10	0	-20	-40
kW	0.45	0.36	0.3	0.14	0.03

Refrigerant R452A

Filling volume g 210

Global Warming Potential for R452A 2140

Carbon dioxide equivalent t 0.449

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

115V/60Hz

Cooling capacity (Ethanol)

°C	20	10	0	-20	-40
kW	0.45	0.36	0.3	0.14	0.03

Refrigerant R449A

Filling volume g 112

Global Warming Potential for R449A 1397

Carbon dioxide equivalent t 0.156

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

230V/50Hz

Cooling capacity (Ethanol)

°C	20	10	0	-20	-40
kW	0.45	0.36	0.3	0.14	0.03

Refrigerant R452A

Filling volume g 210

Global Warming Potential for R452A 2140

Carbon dioxide equivalent t 0.449

230V/50Hz (UK Plug Type BS1363A)

230V/50Hz

Cooling capacity (Ethanol)

°C	20	10	0	-20	-40
kW	0.45	0.36	0.3	0.14	0.03

Refrigerant R452A

Filling volume g 210

Global Warming Potential for R452A 2140

Carbon dioxide equivalent t 0.449

All Benefits



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



Green technology.
Development consistently applied environmentally friendly materials and technologies.



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



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



Quick start.
Individual JULABO consultation and comprehensive manuals at your disposal.



Services 24/7.
Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies, and more at www.julabo.com.