

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.

Product features

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



Performance values

Order No.	9650842.03				
Cooling capacity (Ethanol)					
°C	20	10	0	-20	-40
kW	0.45	0.36	0.3	0.14	0.03
Refrigerant stage 1					
Refrigerant	R452A				
Filling volume g	210				
Global Warming Potential for R452A	2140				
Carbon dioxide equivalent t	0.449				

Technical data

Available voltage versions		Cooling	
Order No.	9 650 842	Cooling of compressor	1-stage Air
Available voltage versions:			
9650842.05	230V/50Hz (CH Plug Type SEV 1011) (R452A)		
9650842.02	115V/60Hz (Nema N5-15 Plug) (R449A)		

9650842.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F) (R452A)
9650842.04	230V/50Hz (UK Plug Type BS1363A) (R452A)

Other

Sound pressure level dbA	61
IP Code	IP 21

Immersion cooler

Immersion probe type	inflexible
Dimensions immersion probe cylindrical Length cm (L x Ø)	12
Dimensions immersion probe cylindrical Diameter cm	5
Dimensions immersion probe cylindrical cm (L x Ø)	12 x 5

Temperature values

Working temperature range °C	-40 ... +30
Temperature stability °C	±0.5
Ambient temperature °C	+5 ... +35
Temperature display resolution °C	0.1

Electronics

External pt100 sensor connection	integrated
Temperature control	PID1
Temperature display	LED
Temperature setting	Keypad

Dimensions and volumes

Weight kg	27
Dimensions cm (W x L x H)	20 x 30 x 43

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.