

## FT402 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 number including voltage version	9650842.04				
Cooling capacity (Ethanol)					
°C	20	10	0	-20	-40
kW <sup>1</sup>	0.45	0.36	0.3	0.14	0.03
Refrigerant stage 1					
Refrigerant	R452A				
Filling weight g	210				
Global Warming Potential for R452A	2140				
Carbon dioxide equivalent t	0.4494				

<sup>1</sup> Performance specifications measured in accordance with DIN 12876. Cooling capacities up to 20 °C measured with ethanol; over 20 °C with thermal oil unless otherwise specified. Performance specifications apply at an ambient temperature of 20 °C. Performance values may differ with other bath fluids.

## Technical data

Available voltage versions		Cooling	
Order No.	9650842	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		Electronics	
Sound pressure level dbA	61	External pt100 sensor connection	integrated
IP Code	IP 21	Temperature control	PID1
		Temperature display	LED
		Temperature setting	Keypad
Immersion cooler		Dimensions and volumes	
Immersion probe type	inflexible	Weight kg	27
Dimensions immersion probe cylindrical Length cm (L x Ø)	12	Total dimensions cm (W x L x H)	20 x 30 x 43
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		

## 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.



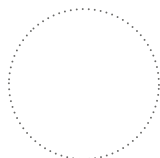
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