

## FT902 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.	9650892.03					
Cooling capacity (Ethanol)						
°C	20	10	0	-20	-40	-80
kW <sup>1</sup>	0.3	0.27	0.27	0.24	0.2	0.07
Refrigerant stage 1			Refrigerant stage 2			
Refrigerant	R404A		Refrigerant	R23		
Filling weight g	310		Filling weight g	65		
Global Warming Potential for R404A	3922		Global Warming Potential for R23	14800		
Carbon dioxide equivalent t	1.21582		Carbon dioxide equivalent t	0.962		

<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.	9 650 892	Cooling of compressor	2-stage Air
Available voltage versions:			
9650892.02	115V/60Hz (Nema N5-15 Plug) (R404A)		
9650892.03	230V/50-60Hz (Schuko Plug - CEE 7/4 Plug Type F) (R404A)		
9650892.04	230V/50-60Hz (UK Plug Type BS1363A) (R404A)		

9650892.05	230V/50-60Hz (CH Plug Type SEV 1011) (R404A)
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**Other**

IP Code	IP 21
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**Immersion cooler**

Dimensions probe tube Length cm (L x Ø)	64
Dimensions probe tube Diameter cm	1.5
Immersion probe type	flexible
Dimensions probe tube cm (L x Ø)	64 x 1.5

**Temperature values**

Working temperature range °C	-90 ... +30
Temperature stability °C	±1
Ambient temperature °C	+5 ... +35
Setting the resolution of the temperature display °C	0.1

**Electronics**

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

**Dimensions and volumes**

Weight kg	50
Dimensions cm (W x L x H)	38 x 55 x 60

**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.



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Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies, and more at [www.julabo.com](http://www.julabo.com).