

## Product data sheet

# FT902 Immersion cooler

with immersion probe for rapid cooling of liquids

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 (230V/50Hz) 9650892.03

Cooling capacity 1 (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 R404A

Filling weight g 310

Global Warming Potential for R404A 3922

Carbon dioxide equivalent t 1.21582

Refrigerant stage 2

Refrigerant R23

Filling weight g 70

Global Warming Potential for R23 14800

Carbon dioxide equivalent t 1.036

<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

Order No. 9650892

### 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)

### Cooling

Cooling of compressor 2-stage Air

### Electronics

External pt100 sensor connection integrated

Temperature control PID1

Temperature display LED

Temperature setting Keypad

### 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

### Dimensions and volumes

Weight kg 50

Total dimensions cm (W x L x H) 38 x 55 x 60

### Temperature values

Working temperature range °C -90 ... +30

Temperature stability °C ±1

Ambient temperature °C +5 ... +35

Temperature display resolution °C 0.1

### Other

IP Code IP 21

## 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](http://www.julabo.com).