

## 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.

### 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

<b>Available voltage versions</b>		<b>Cooling</b>	
Order No.	9 650 892	Cooling of compressor	2-stage Air
Available voltage versions:			
9 650 892.02	115V/60Hz (Nema N5-15 Plug)		
9 650 892.03	230V/50-60Hz (Schuko Plug - CEE 7/4 Plug Type F)		
9 650 892.04	230V/50-60Hz (UK Plug Type BS1363A)		
9 650 892.05	230V/50-60Hz (CH Plug Type SEV 1011)		
<b>Other</b>		<b>Electronics</b>	
IP Code	IP 21	External pt100 sensor connection	integrated
		Temperature control	PID1
		Temperature display	LED
		Temperature setting	Keypad
<b>Immersion cooler</b>		<b>Dimensions and volumes</b>	
Dimensions probe tube Length cm (L x Ø)	64	Weight kg	50
Dimensions probe tube Diameter cm	1.5	Dimensions cm (W x L x H)	38 x 55 x 60
Immersion probe type	flexible		
Dimensions probe tube cm (L x Ø)	64 x 1.5		
<b>Temperature values</b>			
Working temperature range °C	-90 ... +30		
Temperature stability °C	±1		
Ambient temperature °C	5 ... 35		
Temperature display resolution °C	0.1		

## Performance values

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

#### 115V/60Hz

Cooling capacity (Ethanol)

°C	20	10	0	-20	-40	-80
kW	0.3	0.27	0.27	0.24	0.2	0.07

Refrigerant R404A

Filling volume g 310

Global Warming Potential for R404A 3922

Carbon dioxide equivalent t 1.216

Refrigerant R23

Filling volume g 65

Global Warming Potential for R23 14800

Carbon dioxide equivalent t 0.962

### 230V/50-60Hz (Schuko Plug - CEE 7/4 Plug Type F)

#### 230V/50Hz

Cooling capacity (Ethanol)

°C	20	10	0	-20	-40	-80
kW	0.3	0.27	0.27	0.24	0.2	0.07

Refrigerant R404A

Filling volume g 310

Global Warming Potential for R404A 3922

Carbon dioxide equivalent t 1.216

Refrigerant R23

Filling volume g 65

Global Warming Potential for R23 14800

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#### 230V/60Hz

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Filling volume g 65

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Carbon dioxide equivalent t 0.962

### 230V/50-60Hz (UK Plug Type BS1363A)

#### 230V/50Hz

Cooling capacity (Ethanol)

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Global Warming Potential for R404A 3922

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Refrigerant R23

Filling volume g 65

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Carbon dioxide equivalent t 0.962

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Cooling capacity (Ethanol)

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Refrigerant R404A

Filling volume g 310

Global Warming Potential for R404A 3922

Carbon dioxide equivalent t 1.216

Refrigerant R23

Filling volume g 65

Global Warming Potential for R23 14800

Carbon dioxide equivalent t 0.962

230V/50-60Hz (CH Plug Type SEV 1011)

230V/50Hz							230V/60Hz						
Cooling capacity (Ethanol)							Cooling capacity (Ethanol)						
°C	20	10	0	-20	-40	-80	°C	20	10	0	-20	-40	-80
kW	0.3	0.27	0.27	0.24	0.2	0.07	kW	0.3	0.27	0.27	0.24	0.2	0.07
Refrigerant	R404A						Refrigerant	R404A					
Filling volume g	310						Filling volume g	310					
Global Warming Potential for R404A	3922						Global Warming Potential for R404A	3922					
Carbon dioxide equivalent t	1.216						Carbon dioxide equivalent t	1.216					
Refrigerant	R23						Refrigerant	R23					
Filling volume g	65						Filling volume g	65					
Global Warming Potential for R23	14800						Global Warming Potential for R23	14800					
Carbon dioxide equivalent t	0.962						Carbon dioxide equivalent t	0.962					

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