

FT903 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

Available voltage versions		Cooling	
Order No.	9 650 893	Cooling of compressor	2-stage Air
Available voltage versions:			
9 650 893.33	230V/50-60Hz (Schuko Plug - CEE 7/4 Plug Type F)		
Other		Electronics	
IP Code	IP 21	External pt100 sensor connection	integrated
		Temperature control	PID1
		Temperature display	LED
		Temperature setting	Keypad
Immersion cooler		Dimensions and volumes	
Immersion probe type	inflexible	Weight kg	50
Dimensions cooling coil cm (i.d. x o.d. x H)	12 x 14 x 5.6	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 ... 40		
Temperature display resolution °C	0.1		

Performance values

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

230V/50Hz												230V/60Hz											
Cooling capacity (Ethanol)												Cooling capacity (Ethanol)											
°C	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	°C	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80
kW	0.3	0.29	0.27	0.26	0.25	0.24	0.23	0.21	0.18	0.13	0.05	kW	0.3	0.29	0.27	0.26	0.25	0.24	0.23	0.21	0.18	0.13	0.05
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	110											Filling volume g	110										
Global Warming Potential for R23	14800											Global Warming Potential for R23	14800										
Carbon dioxide equivalent t	1.628											Carbon dioxide equivalent t	1.628										

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.