

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.

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.	9650893.33										
Cooling capacity (Ethanol)											
°C	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80
kW ¹	0.3	0.29	0.27	0.26	0.25	0.24	0.23	0.21	0.18	0.13	0.05
Refrigerant stage 1						Refrigerant stage 2					
Refrigerant	R404A			Refrigerant			R23				
Filling weight g	310			Filling weight g			110				
Global Warming Potential for R404A	3922			Global Warming Potential for R23			14800				
Carbon dioxide equivalent t	1.21582			Carbon dioxide equivalent t			1.628				

¹ 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.	9 650 893	Cooling of compressor	2-stage Air
Available voltage versions:			
9650893.33	230V/50-60Hz (Schuko Plug - CEE 7/4 Plug Type F) (R404A)		
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		
Setting the resolution of the temperature display °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.



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.