

Product data sheet

IC50 Immersion cooler

Modern immersion coolers with natural refrigerant for rapid cool-down of fluids

JULABO immersion coolers are mainly used for counter-cooling in conjunction with heating circulators or for rapid cooling of fluids to low temperatures. The modern IC Series works with natural, climate-friendly refrigerants. The IC50 immersion cooler was developed with a focus on high user-friendliness. The removable venting grid, which can be removed without tools, facilitates regular cleaning for maximum performance over the unit's entire life-time. The magnetic probe holder enables flexible and stable attachment of the probe to magnetic surfaces, ensuring hassle-free positioning for various 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
- ✓ Ease of operation
- ✓ Dry ice substitution

Performance values

Order number including voltage version (208V/60Hz) 9651050.30003827

Cooling capacity 1 (Ethanol)

°C	20	0	-20	-40
kW	0.45	0.32	0.16	0.04

Note about natural refrigerants:

Temperature control units using natural refrigerants are often subject to regulatory requirements regarding the installation site, operation, transport or disposal of the units. If you have any questions, we will be happy to advise you.

Refrigerant stage 1

Refrigerant R1270

Filling weight g 40

Global Warming Potential for R1270 2

Carbon dioxide equivalent t 8.0E-5

Technical data

Available voltage versions

Order No. 9651050

Available voltage versions:

9651050.30003826 115V 60Hz (Nema N5-15 Plug) (R1270)

9651050.30003827 200-230V 50/60Hz (Schuko Plug - CEE 7/4 Plug Type F) (R1270)

9651050.30003829 230V 50/60Hz (CH Plug Type SEV 1011) (R1270)

9651050.30003828 230V 50Hz (UK Plug Type BS1363A) (R1270)

Cooling

Cooling of compressor 1-stage Air

Electronics

External pt100 sensor connection not available

Immersion cooler

Dimensions probe tube Length in. (L x Ø) 47.2

Immersion probe type inflexible

Dimensions immersion probe cylindrical Length in. (L x Ø) 3.9

Dimensions immersion probe cylindrical Diameter in. 2

Dimensions probe tube in. (L x Ø) 47.2

Dimensions immersion probe cylindrical in. (L x Ø) 3.9 x 2

Dimensions and volumes

Weight lbs 47.4

Total dimensions in. (W x L x H) 9.1 x 17.3 x 15.7

Body dimensions in. (W x L x H) 9.1 x 17.3 x 14.2

Temperature values

Working temperature range °C¹ -50 ... +100

Ambient temperature °C +5 ... +40

¹ JULABO immersion coolers are especially suitable for cooling applications and therefore cannot be used as heaters. The specification of the working temperature range above the ambient temperature corresponds to the maximum permissible temperature in the application for which the immersion cooler is approved. The lowest temperature of the working temperature range corresponds to the minimum temperature that the probe reaches at its surface.

Other

Sound pressure level dbA 55

Classification Classification I (NFL)

IP Code IP 21