

## Immersion Coolers

### Benefits and applications:

- Save precious tap water!
- MORE efficient cooling
- REDUCED energy consumption
- Rapid cooling of liquids down to low temperatures, e.g. in a Dewar vessel
- Dry-ice substitution
- For counter-cooling in combination with heating circulators
- Immersion probe made of high quality stainless steel

### Immersion Coolers with temperature control and display

FT402 and FT902 provide a keypad and water-protected mains switch (patented). They are supplied with a Pt100 sensor, stainless steel, 200 x 6 mm dia.

Optional sensors available:

**8 981 005** Pt100 sensor, 200 x 6 mm dia., glass, 1.5 m cable

**8 981 010** Pt100 sensor, 300 x 6 mm dia., stainless steel, 1.5 m cable



FT200

FT400

### Bright LED temperature display & keypad



FT402

FT902

## Flow-Through Cooler



FD200

The FD200 is used for example, for cooling a loop circuit of a closed system. The cooler needs to be connected in the return line of a heating circulator.

JULABO Order No.	JULABO Model	Working temp. range °C	Temp. stab. °C	Temp. display/ resolution °C	Cooling capacity kW					Immersion probe/ flexible probe (L x dia.) cm	Connection tube (L) cm	Dimensions W x L x H cm	Weight kg
					+20	+10	-20	-40	-80°C				

### Immersion Coolers

9 650 820	FT200	-20...30	--	--	0.25	0.2	0.04	--	--	9 x 4	120	18 x 27 x 39	18
9 650 840	FT400	-40...30	--	--	0.45	0.36	0.14	0.03	--	12 x 5	120	20 x 30 x 43	24
9 650 890	FT900	-90...30	--	--	0.27	0.27	0.24	0.2	0.07	65 x 1.5 flexible	160	38 x 55 x 60	50



9 650 842	FT402	-40...30	±0.5	LED/0.1	0.45	0.36	0.14	0.03	--	12 x 5	120	20 x 30 x 43	24
9 650 892	FT902	-90...30	±1	LED/0.1	0.27	0.27	0.24	0.2	0.07	65 x 1.5 flexible	160	38 x 55 x 60	50

Included with each unit: Pt100 sensor 200 x 6 mm dia.

### Accessories

**8 970 400** Clamp for cooler probe for open baths (FT200, FT400, FT402)

## Flow-Through Cooler

9 655 825	FD200	10...30	--	--	0.22	0.18	--	--	--	--	--	18 x 27 x 39	16
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Included with FD200: 2 each barbed fittings for tubing 8 and 12 mm inner dia.

Voltage: All models available in 230V/50Hz or 115V/60Hz

For details on tubing/tubing insulation please refer to page 32.