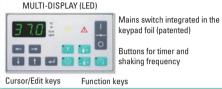


Shaking Water Baths

JULABO Shaking Water Baths provide features that you will always find useful. The sloped tank rim keeps the water in the

Benefits:

- Overall splash-water protection
- Keypad for adjustment of setpoint temperature, shaking frequency and early warning functions
- · User-friendly operation, best reproducibility



- . MULTI-DISPLAY (LED) for actual value, setpoint, high/low temperature early warning functions and shaking frequency
- Display resolution: 0.1 °C or 1 rpm
- Dry-running protection
- · Audible signal for warning and cut-off functions
- Electronic timer (0... 10 operating hours)



· Shaking carriage is removable: No direct contact with the bath fluid, carrier travs can be assembled outside the bath.

All units have a handle for easy relocation. Upon removing the drain screw, a cooling coil can be fitted to provide counter-cooling with tap water.

20 ... 99.9

For details on accessories, please refer to page 61.

stainless steel bath tank where it belongs. No dripping, no condensation - even when the lid is opened.

SW22: for routine applications

for demanding applications requiring

best temperature stability and uniformity achieved by constant bath circulation

Applications

- Biochemical research
- Material testing Enzyme and tissue studies
- Homogenization
- Temperature testing of food and luxury articles
- · Routine laboratory applications
- Corrosion tests
- Fermentation Incubations
- Thawing of blood plasma

70 x 35 x 26/43 21.4



SW22 with optional lift-up Makrolon® cover and carrier tray (accessories)

JULABO Order No.	JULABO Model	Working temp. range °C 10	Temperature stability °C	Heat. cap. kW ²⁾	Bath opening/ bath depth W x L / D cm	Filling volume liters	Shaking frequency rpm	Shaking stroke mm	Dimensions W x L x H cm w/o / with cover	Weight kg
Shaking ¹	Water Bat	hs		Technical (see fold-o	TI TI			PID 1	RS 232	S1
9 550 322	SW22	20 99.9	±0.2	2/1	50 x 30 / 18	8 20	20 200	15	70 x 35 x 26/43	19.4

50 x 30 / 18 8 ... 20 20 ... 200

2/1

9 550 323

Accessories



- The lift-up Makrolon® cover is recommended for use at working temperatures above +60 °C for both models.
- Large selection of carrier trays for Erlenmeyer flasks and test tubes is available
- For counter-cooling at or near ambient temperature, use the cooling coil (order no. 8 970 416).
- To maintain a constant liquid level; use the liquid level/cooling set (order no. 8 970 415)

JULABO Description Order No.	JULABO Description Order No.

Bath cover

	8 970 288	Lift-up Makrolon® cover
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Cooling installation/continuous water supply

8 970 415	Liquid level/cooling	g set (ill. page 59)	8 970 416
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All-purpose spring tray (fig. 2)

8 970 630	All-purpose spring tray
	pre-assembled for 11 Erlenmeyer flasks 250 ml
	incl. set of springs for Erlenmeyer flasks 251000 ml

Standard carrier trays (fig. 3)

|--|

8 970 364	for 11 flasks	250-300 ml
8 970 365	for 8 flasks	500 ml
8 970 366	for 5 flasks	1000 ml

200-250 ml flasks

300 ml flasks

500 ml flasks

1000 ml flasks

Cooling coil (fig. 1)

Carrier tray and spring clamps (fig. 4)

8 970 620 Basic tr	y for assembling	g spring clamps (on a mix and	l match basis
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Spring clamps

8 970 601	for	10 ml flasks	
8 970 602	for	25 ml flasks	
8 970 603	for	50 ml flasks	
8 970 604	for	100 ml flasks	

Fig. 4 shows the basic tray assembled with different spring clamps.

Carrier tray with test tube racks (fig. 5)

970 369	Basic tray for	accomhlina a	mavimum c	of A tost tubo	racks

Test tube racks

made of Polypropylene® (to +80 °C)

8 970 380	for 60 test tubes, 16/17 mm dia.
8 970 381	for 90 test tubes, 12/13 mm dia.
8 970 382	for 90 microliter tubes, 11/12 mm dia.
8 970 383	for 21 test tubes, 30 mm dia.

Test tube racks

8 970 606

8 970 607

8 970 608

8 970 609

made of stainless steel (to +100 °C)

for

for

8 970 344	for 50 test tubes, 16/17 mm dia.
8 970 345	for 90 test tubes, 12/13 mm dia.
8 970 346	for 90 microliter tubes, 11/12 mm dia.
8 970 347	for 21 test tubes, 30 mm dia.
	• • • • • • • • • • • • • • • • • • • •

Fig. 5 shows the basic tray assembled with different test tube racks.

Carrier trays with test tube racks (complete) (to +80 °C)

8 960 440 8 960 441 8 960 442	for 240 test tubes, 16/17 mm dia. for 360 test tubes, 12/13 mm dia. for 360 microliter tubes, 30 x 11/12 mm dia.
8 960 443	for 84 test tubes, 30 mm dia.

Lab automation

8 901 102	'EasyTemp' control software
	(free download www.julabo.de)
8 980 075	RS232 interface cable, 3 m
	for direct PC connection
8 900 110	USB Interface adapter cable
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8 901 102	'EasyTemp' control software
	(free download www.julabo.de)
8 980 075	RS232 interface cable, 3 m
	for direct PC connection
8 900 110	USB Interface adapter cable

Option

8 810 050	Shaking tray position	one
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The shaking water bath must be factory-prefitted with the shaking tray positioner. Please specify when placing an order. It cannot be retrofitted.







All-purpose spring trav



Standard carrier trav



Basic tray with spring clamps



Carrier tray with test tube racks

¹⁾ For applications at or near ambient temperature: Counter-cooling with tap water and liquid level/cooling set (accessory)

SW23 2) At voltage 230V/50-60Hz / 115V/60Hz