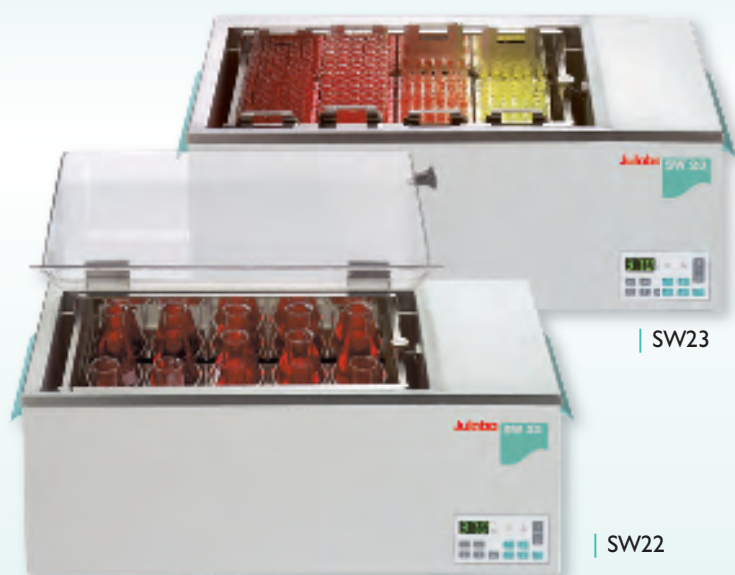


JULABO Shaking Water Baths

Applications

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

Test tube racks and cover not included (optional accessories).



Shaking water baths SW series

for working temperatures from 20 °C to 99.9 °C

In day-to-day practice JULABO shaking water baths provide high performance and state-of-the-art features. For example: sloped tank rims keep the water in the stainless steel bath tank - even when the lid is open.

- Overall splash water protection
- Dry-running protection and audible warning / cut-off functions
- Electronic timer (0 ... 10 operating hours)
- User-friendly operation and consistent reproducibility

SW22: temperature stability ± 0.2 °C,
for routine applications

SW23: temperature stability ± 0.02 °C, with bath circulation
for best temperature stability and uniformity



The shaking insert is removable: No direct contact with the bath fluid, carrier trays can be assembled outside the bath.



Heat-up time
Bath fluid: water

| JULABO Order No. | JULABO Model | Working temperature range °C | Temp. stability °C | Heating capacity kW | 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 |
|------------------|--------------|------------------------------|--------------------|---------------------|--|-----------------------|-----------------------|-------------------|--|
| 9 550 322 | SW22 | 20 ... 99.9 | ± 0.2 | 2 | 50 x 30 / 18 | 8 ... 20 | 20 ... 200 | 15 | 70 x 35 x 26 / 43 |
| 9 550 323 | SW23 | 20 ... 99.9 | ± 0.02 | 2 | 50 x 30 / 18 | 8 ... 20 | 20 ... 200 | 15 | 70 x 35 x 26 / 43 |

Accessories

| JULABO Order No. | Description |
|---------------------|-------------|
|---------------------|-------------|

Lift-up bath covers / hollow balls

| | |
|-----------|---|
| 8 970 288 | Lift-up Makrolon® cover (to 80 °C) |
| 8 970 268 | Lift-up stainless steel cover (to 100 °C) |

Cooling installation / continuous water supply

| | |
|-----------|---------------------------------|
| 8 970 415 | Liquid level/cooling set |
|-----------|---------------------------------|

All-purpose spring tray

| | |
|-----------|--|
| 8 970 630 | All-purpose spring tray pre-assembled for 11 Erlenmeyer flasks 250 ml, incl. set of springs for Erlenmeyer flasks 25 ... 1000 ml |
|-----------|--|

Standard carrier trays

| | | |
|-----------|---------------|--------|
| 8 970 360 | for 45 flasks | 25 ml |
| 8 970 361 | for 32 flasks | 50 ml |
| 8 970 362 | for 18 flasks | 100 ml |
| 8 970 363 | for 15 flasks | 200 ml |

Base tray and spring clamps

| | | |
|-----------|--|-------------------|
| 8 970 620 | Base tray for assembling spring clamps on a mix and match basis | |
| 8 970 601 | Spring clamps for | 10 ml flasks |
| 8 970 602 | Spring clamps for | 25 ml flasks |
| 8 970 603 | Spring clamps for | 50 ml flasks |
| 8 970 604 | Spring clamps for | 100 ml flasks |
| 8 970 606 | for | 200-250 ml flasks |
| 8 970 607 | for | 300 ml flasks |
| 8 970 608 | for | 500 ml flasks |
| 8 970 609 | for | 1000 ml flasks |

Carrier tray with test tube racks

| | | |
|---|--|--|
| 8 970 369 | Base tray for assembling a maximum of 4 test tube 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 made of stainless steel (to 100 °C) | | |
| 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. | |

Complete carrier trays with test tube racks (to 80 °C)

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

Software

| | | | |
|-----------|--|-----------|---|
| 8 901 102 | <i>EasyTemp</i> software free of charge at www.julabo.de | 8 980 075 | RS232 interface cable, 3 m, for direct PC connection |
| 8 900 110 | USB-Interface adapter cable | | |

Water bath protective media *Aqua Stabil*

| | |
|-----------|--|
| 8 940 006 | 6 bottles, 100 ml each, to prevent formation of algae |
| 8 940 012 | 12 bottles, 100 ml each, to prevent formation of algae |

| JULABO Order No. | Description |
|---------------------|-------------|
|---------------------|-------------|

| | |
|-----------|--|
| 8 970 010 | Hollow balls, Polypropylene® 20 mm dia., (1000 pcs.) |
|-----------|--|

| | |
|-----------|---------------------|
| 8 970 416 | Cooling coil |
|-----------|---------------------|

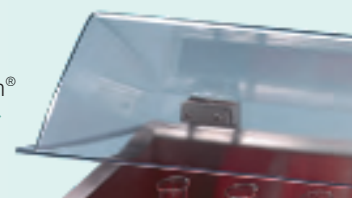
| | |
|-----------|--|
| 8 970 631 | Set of springs consisting of 5 springs 190 mm and 12 springs 135 mm (for tray 8 970 630) |
|-----------|--|

| | | |
|-----------|---------------|------------|
| 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 |

Lift-up covers

prevent liquid losses due to evaporation and protect samples from contamination.

Makrolon®
cover ▶



For counter-cooling near ambient temperature, use the cooling coil.



All-purpose spring tray



Standard carrier tray



Base tray with spring clamps



Carrier tray with test tube racks

