



Water Baths and Shaking Water Baths

The Water Baths of the TW series or Shaking Water Baths of the SW series are ideal for routine applications.

Examples are temperature control of samples, incubations, material testing, corrosion tests, cell cultivation, food and beverage testing. All TW and SW Baths are robust instruments of high quality. Their working temperature ranges from +20 to +99.9 °C qualifying them for a wide variety of applications.

- User-friendly operation
- Splash-proof design
- Integrated Power Switch
- Bright LED display
- Bath volumes from 2 to 26 liters
- Lift-up bath cover (accessory)
- High temperature stability of up to ± 0.02 °C
- Acoustic and optical low water level alarm
- Convenient bath drain
- Removable bottom plate and shaking insert
- Wide selection of accessories for temperature control of samples
- Highest quality (all wetted parts are made of stainless steel or high grade plastics)

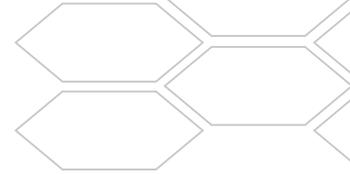
SW models also offer

- Warning and cut-off protection for high/low temperature
- Adjustable shaking frequencies from 20 to 200 rpm
- Integrated Timer
- RS232 Interface

Practical Tip

The wide selection of accessories presented in this catalog permits specific and individual set-up of all TW and SW models.





TW Models



TW keypad

Water Baths

+20 °C ... +99.9 °C

4 different models with bath volumes from 2 to 26 liters



Advantages and functions at a glance



User-friendly keypad with LED display



Wide selection of test tube racks



Lift-up bath covers available in Makrolon® or stainless steel



Small footprint
Large bath volume



Durable handles for easy positioning



Integrated power switch with Auto-Start function



Easy-access drain



Integrated high performance heater



High quality stainless steel bath tank design for minimum fluid loss

SW Models



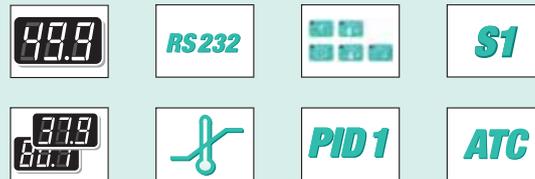
SW keypad



Shaking Water Baths

+20 °C ... +99.9 °C

2 different models with 20 liters filling volume



Advantages and functions at a glance



Removable shaking insert



Adjustable shaking frequency (20 ... 200 rpm)



High temperature stability (± 0.2 °C or ± 0.02 °C)



Countdown timer (0...10 operating hours)



RS232 Interface



User-friendly keypad with LED display



Wide selection of test tube racks



Lift-up bath covers available in Makrolon® or stainless steel



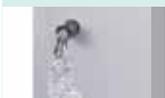
Small footprint
Large bath volume



Durable handles for easy positioning



Integrated power switch with Auto-Start function



Easy-access drain



Integrated high performance heater



High quality stainless steel bath tank design for minimum fluid loss



Water Baths TW Series

for working temperatures from +20 °C to +99.9 °C

JULABO water baths facilitate day-to-day laboratory work with their user-friendly operation. Splash water protection and optimized bath tank design are special advantages.

Model TW2

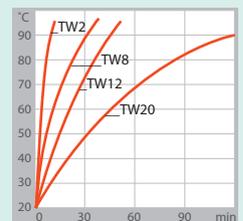
- Space-saving design, suitable for samples and for up to 24 test tubes.

Models TW8, TW12, TW20

- Convenient bath drain
- Durable handles for easy positioning
- Removable bottom plate for easy cleaning

Heat-up times

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 | Insert capacity test tube racks 13 mm dia. 17 mm dia. | Filling volume liters | Dimensions W x L x H cm w/o / with cover |
|------------------|--------------|------------------------------|--------------------|---------------------|--|---|-----------------------|--|
| 9 550 102 | TW2 | +20 ... +99.9 | ±0.2 | 1 | 15 x 13 / 11 | -- 24 | 1 ... 2 | 17 x 16 x 26 / 37 |
| 9 550 108 | TW8 | +20 ... +99.9 | ±0.2 | 2 | 23 x 27 / 14 | 180 120 | 3 ... 8 | 29 x 32 x 28 / 44 |
| 9 550 112 | TW12 | +20 ... +99.9 | ±0.2 | 2 | 35 x 27 / 14 | 270 180 | 5 ... 14 | 40 x 32 x 28 / 44 |
| 9 550 120 | TW20 | +20 ... +99.9 | ±0.2 | 2 | 50 x 30 / 18 | 360 240 | 8 ... 26 | 56 x 35 x 32 / 49 |

Applications

Routine laboratory applications, e.g. cell cultivation, temperature control of samples, incubation, material / corrosion tests, temperature test of food and beverages



Accessories for TW Models

| JULABO Order No. | Description / Dimensions | Suitable for |
|--|--|--------------|
| Lift-up Makrolon® covers (to +80 °C), transparent | | |
| 8 970 289 | Lift-up Makrolon® cover, 17 x 16 x 16 cm | TW2 |
| 8 970 286 | Lift-up Makrolon® cover, 29 x 32 x 16 cm | TW8 |
| 8 970 287 | Lift-up Makrolon® cover, 40 x 32 x 16 cm | TW12 |
| 8 970 288 | Lift-up Makrolon® cover, 56 x 35 x 17 cm | TW20 |

Lift-up stainless steel bath covers (to +100 °C)

| | | |
|-----------|-------------------------------|------|
| 8 970 259 | Lift-up stainless steel cover | TW2 |
| 8 970 266 | Lift-up stainless steel cover | TW8 |
| 8 970 267 | Lift-up stainless steel cover | TW12 |
| 8 970 268 | Lift-up stainless steel cover | TW20 |

Flat stainless steel bath covers with sets of rings

| | | | |
|-----------|-----------------|-------------|------|
| 8 970 270 | with 1 opening | 190 mm dia. | TW8 |
| 8 970 271 | with 4 openings | 92 mm dia. | TW8 |
| 8 970 278 | with 6 openings | 92 mm dia. | TW12 |
| 8 970 272 | with 2 openings | 190 mm dia. | TW20 |
| 8 970 273 | with 6 openings | 115 mm dia. | TW20 |
| 8 970 277 | with 8 openings | 92 mm dia. | TW20 |

Cooling installation / Continuous water supply

| | | |
|-----------|----------------------------|-----------------|
| 8 970 415 | Liquid level / cooling set | TW8, TW12, TW20 |
|-----------|----------------------------|-----------------|

Test tube racks to +80 °C, Polypropylene®

| | | | |
|-----------|-------------------------|---------------|-----------------|
| 8 970 380 | for 60 test tubes | 16/17 mm dia. | TW8, TW12, TW20 |
| 8 970 381 | for 90 test tubes | 12/13 mm dia. | TW8, TW12, TW20 |
| 8 970 382 | for 90 microliter tubes | 11/12 mm dia. | TW8, TW12, TW20 |
| 8 970 383 | for 21 test tubes | 30 mm dia. | TW8, TW12, TW20 |

Test tube racks to +100 °C, stainless steel

| | | | |
|-----------|-------------------------|---------------|-----------------|
| 8 970 330 | for 24 test tubes | 16/17 mm dia. | TW2 |
| 8 970 344 | for 50 test tubes | 16/17 mm dia. | TW8, TW12, TW20 |
| 8 970 345 | for 90 test tube | 12/13 mm dia. | TW8, TW12, TW20 |
| 8 970 346 | for 90 microliter tubes | 11/12 mm dia. | TW8, TW12, TW20 |
| 8 970 347 | for 21 test tubes | 30 mm dia. | TW8, TW12, TW20 |

Additional accessories

| | | |
|-----------|--|----------------------|
| 8 970 331 | Stents lifter | TW2 |
| 8 970 339 | Hygiene insert, stainless steel | TW2 |
| 8 970 453 | Drain tap with tube 8 mm inner dia. | TW8, TW12, TW20 |
| 8 970 010 | Hollow balls, Polypropylene®, 20 mm dia. (1000 pcs.) | TW2, TW8, TW12, TW20 |

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 |

Lift-up covers

Prevent liquid losses due to evaporation. Protect samples from contamination. Cover made of either Makrolon® or stainless steel.



Flat bath covers

Place beakers or Erlenmeyer flasks directly onto the perforated stainless steel bottom plate.



Liquid level/Cooling set

To maintain constant liquid level at high temperatures (with continuous water supply) or for counter-cooling of applications at or near ambient temperature.



Application Tip

Insert capacity of test tube racks for each water bath:

| | |
|------|---------|
| TW2 | 1 rack |
| TW8 | 2 racks |
| TW12 | 3 racks |
| TW20 | 4 racks |





The removable shaking insert prevents direct contact with the bath fluid. Carrier trays can be assembled comfortably outside the bath.

Test tube racks and cover not included (optional).

Shaking Water Baths SW Series

for working temperatures from +20 °C to +99.9 °C

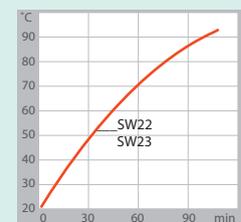
JULABO Shaking Water Baths provide many state-of-the-art features for common day-to-day laboratory tasks. For example: sloped edges keep the water in the stainless steel bath tank even when the lid is open.

- Overall splash water protection
- Low water-level warning and cut-off functions
- Countdown timer (0 ... 10 operating hours)
- User-friendly operation and consistent reproducibility
- 1-point calibration

Model SW22: Temperature stability ± 0.2 °C, for general applications

Model SW23: Temperature stability ± 0.02 °C, with integrated circulating pump for best temperature stability and homogeneity

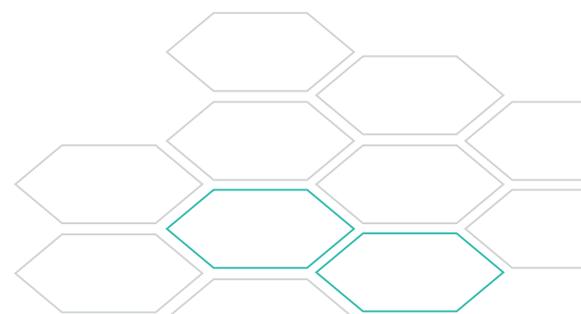
Heat-up time
Bath fluid: water



| 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 |

Applications

Biochemical research, material testing, enzyme and tissue studies, homogenization, routine laboratory tasks, corrosion tests, fermentation, incubation, blood plasma thawing, temperature tests of food and beverages



Accessories for SW Models

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

Lift-up bath covers / hollow balls

| | | | |
|-----------|--|-----------|--|
| 8 970 288 | Lift-up Makrolon® cover (to +80 °C), transparent | 8 970 010 | Hollow balls, Polypropylene® 20 mm dia., (1000 pcs.) |
| 8 970 268 | Lift-up stainless steel cover (to +100 °C) | | |

Cooling installation / continuous water supply

| | | | |
|-----------|----------------------------|-----------|--------------|
| 8 970 415 | Liquid level / cooling set | 8 970 416 | Cooling coil |
|-----------|----------------------------|-----------|--------------|

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

Standard carrier tray for Erlenmeyer flasks

| | | | | | |
|-----------|---------------|--------|-----------|---------------|------------|
| 8 970 360 | for 45 flasks | 25 ml | 8 970 364 | for 11 flasks | 250-300 ml |
| 8 970 361 | for 32 flasks | 50 ml | 8 970 365 | for 8 flasks | 500 ml |
| 8 970 362 | for 18 flasks | 100 ml | 8 970 366 | for 5 flasks | 1000 ml |
| 8 970 363 | for 15 flasks | 200 ml | | | |

Base tray and spring clamps for Erlenmeyer flasks

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

Carrier tray for 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) | | Test tube racks made of stainless steel (to +100 °C) | | |
| 8 970 380 | for 60 test tubes, 16/17 mm dia. | 8 970 344 | for 50 test tubes, 16/17 mm dia. | |
| 8 970 381 | for 90 test tubes, 12/13 mm dia. | 8 970 345 | for 90 test tubes, 12/13 mm dia. | |
| 8 970 382 | for 90 Microliter tubes, 11/12 mm dia. | 8 970 346 | for 90 microliter tubes, 11/12 mm dia. | |
| 8 970 383 | for 21 test tubes, 30 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 | EasyTemp 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 |

Lift-up covers

Prevent liquid losses due to evaporation. Protect samples from contamination. Cover made of either Makrolon® or stainless steel.

Makrolon®-cover ▶



For applications near ambient temperature use the cooling coil.



All-purpose spring tray



Standard carrier tray



Base tray with spring clamps



Tray with test tube racks

