

**Julabo**  
THE TEMPERATURE CONTROL COMPANY

**Promotion!**



**Water Baths**  
**Shaking Water Baths**



## TW Models

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  $\pm 0.02$  °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 keypad



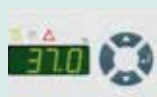
### Water Baths

+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



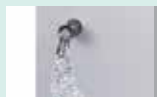
Integrated high performance heater



Small footprint  
Large bath volume



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



Easy-access drain



Integrated power switch with Auto-Start function



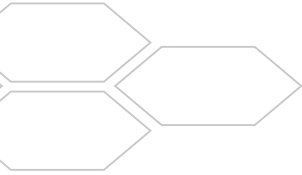
Wide selection of test tube racks



High quality stainless steel bath tank design for minimum fluid loss



Durable handles for easy positioning



# SW Models



SW keypad



## Shaking Water Baths

+20 °C ... +99.9 °C

2 different models with 20 liters filling volume



RS232



S1



PID1

ATC

## Advantages and functions at a glance



Removable shaking insert



Adjustable shaking frequency (20 ... 200 rpm)



High temperature stability ( $\pm 0.2$  °C or  $\pm 0.02$  °C)



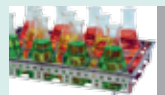
Countdown timer (0...10 operating hours)



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



Test tube racks and cover not included (optional).

## 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

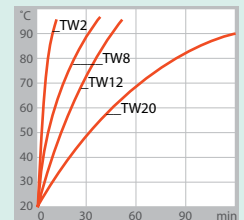
- Space-saving design, suitable for samples and for up to 24 test tubes.

### 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	
<b>Lift-up Makrolon® covers (to +80 °C), transparent</b>			
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	
<b>Lift-up stainless steel bath covers (to +100 °C)</b>			
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	
<b>Flat stainless steel bath covers with sets of rings</b>			
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
8 970 273	with 8 openings	92 mm dia.	TW20
<b>Cooling installation / Continuous water supply</b>			
8 970 415	Liquid level / cooling set	TW8, TW12, TW20	
<b>Test tube racks to +80 °C, Polypropylene®</b>			
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
<b>Test tube racks to +100 °C, stainless steel</b>			
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
<b>Additional accessories</b>			
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	
<b>Water bath protective media <i>Aqua Stabil</i></b>			
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.



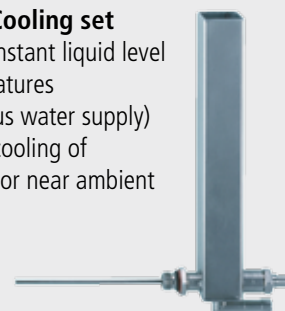
### Flat bath covers

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





SW23

SW22



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

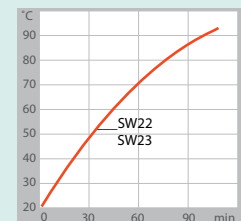
JULABO Shaking Water Baths provide many state-of-the-art features for common day-to-day laboratory tasks. For example: sloped edges keep the water in the stainless steel bath tank even when the lid is open.

- 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  $\pm 0.2$  °C, for general applications

**Model SW23:** Temperature stability  $\pm 0.02$  °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	$\pm 0.2$	2	50 x 30 / 18	8 ... 20	20 ... 200	15	70 x 35 x 26 / 43
9 550 323	SW23	+20 ... +99.9	$\pm 0.02$	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
------------------	-------------

### Lift-up bath covers / hollow balls

8 970 288	<b>Lift-up Makrolon® cover</b> (to +80 °C), transparent
-----------	--

8 970 268	<b>Lift-up stainless steel cover</b> (to +100 °C)
-----------	--

### Cooling installation / continuous water supply

8 970 415	<b>Liquid level / cooling set</b>
-----------	-----------------------------------

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

8 970 010	<b>Hollow balls, Polypropylene®</b> 20 mm dia., (1000 pcs.)
-----------	--

8 970 416	<b>Cooling coil</b>
-----------	---------------------

### All-purpose spring tray

8 970 630	<b>All-purpose spring tray</b> Pre-assembled for 11 Erlenmeyer flasks 250 ml, incl. set of springs for Erlenmeyer flasks 25 ... 1000 ml
-----------	---

8 970 631	<b>Set of springs</b> 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
-----------	---------------	-------

8 970 361	for 32 flasks	50 ml
-----------	---------------	-------

8 970 362	for 18 flasks	100 ml
-----------	---------------	--------

8 970 363	for 15 flasks	200 ml
-----------	---------------	--------

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
-----------	--------------	---------

### Base tray and spring clamps for Erlenmeyer flasks

8 970 620	<b>Base tray</b> for assembling spring clamps on a mix and match basis	
-----------	--	--

8 970 601	<b>Spring clamp</b> for	10 ml flasks
-----------	-------------------------	--------------

8 970 606	for	200-250 ml flasks
-----------	-----	-------------------

8 970 602	<b>Spring clamp</b> for	25 ml flasks
-----------	-------------------------	--------------

8 970 607	for	300 ml flasks
-----------	-----	---------------

8 970 603	<b>Spring clamp</b> for	50 ml flasks
-----------	-------------------------	--------------

8 970 608	for	500 ml flasks
-----------	-----	---------------

8 970 604	<b>Spring clamp</b> for	100 ml flasks
-----------	-------------------------	---------------

8 970 609	for	1000 ml flasks
-----------	-----	----------------

### Carrier tray for test tube racks

8 970 369	<b>Base tray</b> for assembling a maximum of 4 test tube racks
-----------	--

<b>Test tube racks made of Polypropylene®</b> (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.
-----------	-------------------------------

<b>Test tube racks made of stainless steel</b> (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 <a href="http://www.julabo.de">www.julabo.de</a>
-----------	--

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
-----------	--

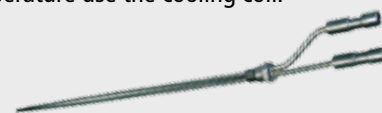
### Lift-up covers

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

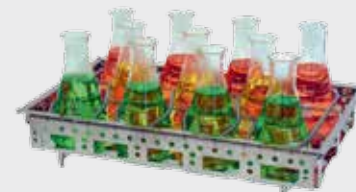
Makrolon®-cover ▶



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





## JULABO worldwide

### GERMANY Headquarters

**JULABO GmbH**  
Eisenbahnstrasse 45  
77960 Seelbach  
Germany

Tel. +49 (0) 7823 51-0  
Fax +49 (0) 7823 2491  
info@julabo.de  
www.julabo.de

### ITALY

JULABO Italia Srl.  
Milan  
info@julaboitalia.it  
www.julaboitalia.it

### NORTH AMERICA

JULABO USA, Inc.  
Allentown, PA  
info@julabo.com  
www.julabo.com

### CHINA

JULABO Technology (Beijing) Co., Ltd.  
Beijing  
info@julabo.com.cn  
www.julabo.com.cn

### INDIA

JULABO India  
info@julabo.in  
www.julabo.in

### UK

JULABO UK, Ltd.  
Peterborough  
info@julabo.co.uk  
www.julabo.co.uk

### JAPAN

JULABO Japan Co., Ltd.  
Osaka  
info@julabo-japan.co.jp  
www.julabo-japan.co.jp

### SOUTH AMERICA

JULABO Sudamérica  
Buenos Aires  
info@julabo-sudamerica.com  
www.julabo-sudamerica.com

### FRANCE

JULABO France  
Colmar  
info@julabo.fr  
www.julabo.fr

### KOREA

JULABO Korea Co., Ltd.  
Seoul  
info@julabo-korea.co.kr  
www.julabo-korea.co.kr

### SINGAPORE

JULABO Singapore Pte., Ltd.  
Singapore  
info@julabo-singapore.com  
www.julabo-singapore.com

**Plus more than  
100 partner distributors  
worldwide**

**Your local distributor:**