

# PURA™

Water Baths





## ***The all-new PURA™ water baths.***

### ***High quality. Practical. Durable.***

Users place high demands on modern water baths in terms of functionality and reliability. Above all, a water bath must be trouble-free and low-maintenance in everyday operations. For this reason, JULABO does not only count on proven functions in the new PURA series of water baths, but particularly also on simple, intuitive operation and high material and component quality. The result is functional and high-quality water baths that facilitate regular temperature applications in the laboratory and, thanks to their durable design, can withstand permanent loads without any problems.

## Advantages and main features

# PURA™



### **Ease of use.**

The controls on the front side are easy to reach and use.



### **Easy handling.**

A frontally integrated drain screw allows clean, safe, and effortless emptying of the baths.



### **Easy cleaning.**

PURA does not incorporate any interfering functional elements. The smooth surfaces can be cleaned quickly and without residue.



***The all-new PURA™ water baths.***  
***Intelligent design, full functionality.***

In addition to their high quality, ease of use and easy-to-read display, PURA water baths offer a number of functions and features that enable efficient use in the laboratory. These include, among other things, an integrated timer and a specially designed outer edge, which automatically drains condensed fluid back into the bath. Another special feature is the included, removable platform. Sample containers, which are placed on the platform, are fully immersed and thus optimally tempered.



# PURA™

For a working temperature range<sup>1)</sup> from +18 °C to + 99.9 °C

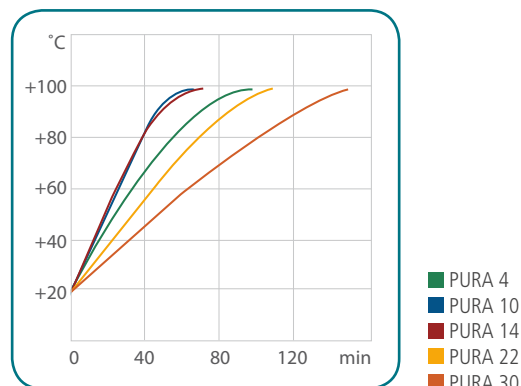
PURA water baths stand for innovative, simple, and safe working in the laboratory. All models (except PURA 4) come with an integrated drain screw for quick and clean draining of the baths. PURA water baths are flexible and can be easily transported through ergonomic side recessed grips. Non-slip rubber feet ensure a firm footing and more safety in the laboratory.

For reliable processes and consistent results, PURA water baths offer advantages such as:

- Ease of use
- Bright display
- Splash-proof protected power switch
- Built-in dry running protection
- Integrated drain screw (except PURA 4)
- No interfering elements in the bath
- Platform included as standard
- Integrated timer
- Non-slip rubber feet
- Ergonomic recessed grips

## Heat-up time<sup>2)</sup>

Medium: Water



## PURA™ 4

|                                            |                           |
|--------------------------------------------|---------------------------|
| Order No.                                  | 9 550 504                 |
| Working temperature range °C <sup>1)</sup> | +18 ... +99.9             |
| Temperature stability °C <sup>2)</sup>     | ±0.15                     |
| Heating capacity kW                        | 0.5                       |
| Bath opening/Bath depth cm                 | W × L / D<br>12 × 27 / 14 |
| Number of test tube racks                  | 1                         |
| Filling volume liters                      | 0.8 ... 4.5               |
| Weight kg                                  | 4.9                       |
| Dimensions cm                              | W × L × H<br>21 × 35 × 22 |



## PURA™ 10

|                                            |                           |
|--------------------------------------------|---------------------------|
| Order No.                                  | 9 550 510                 |
| Working temperature range °C <sup>1)</sup> | +18 ... +99.9             |
| Temperature stability °C <sup>2)</sup>     | ±0.15                     |
| Heating capacity kW                        | 1.2                       |
| Bath opening/Bath depth cm                 | W × L / D<br>22 × 27 / 14 |
| Number of test tube racks                  | 2                         |
| Filling volume liters                      | 1.4 ... 9.5               |
| Weight kg                                  | 7                         |
| Dimensions cm                              | W × L × H<br>31 × 35 × 22 |

<sup>1)</sup> with counter-cooling/bath cover (accessories)

<sup>2)</sup> with bath cover (accessories)



## Cooling coil

For working near ambient temperature (accessories).



## Lift-up bath cover

Protects against water loss through evaporation (accessories).



## PURA™ 14

**Order No.** 9 550 514

Working temperature range °C <sup>1)</sup> +18 ... +99.9

Temperature stability °C <sup>2)</sup> ±0.15

Heating capacity kW 1.8

Bath opening/Bath depth cm W × L / D  
33 × 27 / 14

Number of test tube racks 3

Filling volume liters 2 ... 14

Weight kg 8.5

Dimensions cm W × L × H  
42 × 35 × 22



## PURA™ 22

**Order No.** 9 550 522

Working temperature range °C <sup>1)</sup> +18 ... +99.9

Temperature stability °C <sup>2)</sup> ±0.15

Heating capacity kW 2

Bath opening/Bath depth cm W × L / D  
55 × 27 / 18

Number of test tube racks 5

Filling volume liters 3.4 ... 25.5

Weight kg 11.5

Dimensions cm W × L × H  
64 × 35 × 26



## PURA™ 30

**Order No.** 9 550 530

Working temperature range °C <sup>1)</sup> +18 ... +99.9

Temperature stability °C <sup>2)</sup> ±0.15

Heating capacity kW 2

Bath opening/Bath depth cm W × L / D  
77 × 27 / 18

Number of test tube racks 7

Filling volume liters 4.8 ... 36

Weight kg 14.5

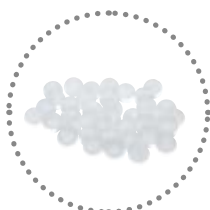
Dimensions cm W × L × H  
86 × 35 × 26

## Accessories & technical data



### Water bath protective media to prevent the formation of algae or bacteria and the descaling agent

| Order No. | Description                          | Suitable for |
|-----------|--------------------------------------|--------------|
| 8 940 006 | Aqua Stabil, 6 bottles, 100 ml each  | PURA         |
| 8 940 012 | Aqua Stabil, 12 bottles, 100 ml each | PURA         |
| 9 940 200 | Descaling agent, 1 liter             | PURA         |



### Hollow Balls to reduce heat loss, evaporation, odors, exposure to oxygen or light

| Order No. | Description                                                                      | Suitable for |
|-----------|----------------------------------------------------------------------------------|--------------|
| 8 970 010 | Hollow balls, Polypropylene®, 20 mm Ø, 1000 pcs. (up to +100 °C, for water only) | PURA         |



### Lift-up bath covers, transparent

| Order No. | Description        | Suitable for |
|-----------|--------------------|--------------|
| 9 970 580 | Lift-up bath cover | PURA 4       |
| 9 970 581 | Lift-up bath cover | PURA 10      |
| 9 970 582 | Lift-up bath cover | PURA 14      |
| 9 970 583 | Lift-up bath cover | PURA 22      |
| 9 970 584 | Lift-up bath cover | PURA 30      |



### Flat bath covers with sets of rings

| Order No. | Description                                | Suitable for |
|-----------|--------------------------------------------|--------------|
| 9 970 570 | Flat bath cover with 4 openings, 92 mm Ø   | PURA 10      |
| 9 970 571 | Flat bath cover with 1 opening, 190 mm Ø   | PURA 10      |
| 9 970 572 | Flat bath cover with 6 openings, 92 mm Ø   | PURA 14      |
| 9 970 573 | Flat bath cover with 8 openings, 92 mm Ø   | PURA 22      |
| 9 970 574 | Flat bath cover with 6 openings, 115 mm Ø  | PURA 22      |
| 9 970 575 | Flat bath cover with 2 openings, 190 mm Ø  | PURA 22      |
| 9 970 576 | Flat bath cover with 10 openings, 115 mm Ø | PURA 30      |
| 9 970 577 | Flat bath cover with 3 openings, 190 mm Ø  | PURA 30      |

## Technical data

| Model   | Order No. | Working temperature range <sup>1)</sup><br>°C | Display | Resolution | Temperature Control | Temperature stability <sup>2)</sup><br>°C | Heating capacity<br>kW | Filling volume<br>liters | Classification acc. to DIN 12876-1 |
|---------|-----------|-----------------------------------------------|---------|------------|---------------------|-------------------------------------------|------------------------|--------------------------|------------------------------------|
| PURA 4  | 9 550 504 | +18 ... +99.9                                 | LED     | 0.1        | PID1                | ±0.15                                     | 0.5                    | 0.8 ... 4.5              | I (NFL)                            |
| PURA 10 | 9 550 510 | +18 ... +99.9                                 | LED     | 0.1        | PID1                | ±0.15                                     | 1.2                    | 1.4 ... 9.5              | I (NFL)                            |
| PURA 14 | 9 550 514 | +18 ... +99.9                                 | LED     | 0.1        | PID1                | ±0.15                                     | 1.8                    | 2 ... 14                 | I (NFL)                            |
| PURA 22 | 9 550 522 | +18 ... +99.9                                 | LED     | 0.1        | PID1                | ±0.15                                     | 2                      | 3.4 ... 25.5             | I (NFL)                            |
| PURA 30 | 9 550 530 | +18 ... +99.9                                 | LED     | 0.1        | PID1                | ±0.15                                     | 2                      | 4.8 ... 36               | I (NFL)                            |

<sup>1)</sup> with counter-cooling/bath cover (accessories)

<sup>2)</sup> with bath cover (accessories)


**Test tube racks** made out of high grade plastic, up to +100 °C

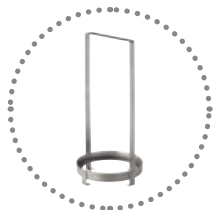
| Order No. | Description                                     | Suitable for |
|-----------|-------------------------------------------------|--------------|
| 9 970 300 | Test tube rack for 60 tubes 100 mm × 16/17 mm Ø | PURA         |
| 9 970 301 | Test tube rack for 90 tubes 75 mm × 12/13 mm Ø  | PURA         |
| 9 970 303 | Test tube rack for 21 tubes, 30 mm Ø            | PURA         |


**Cooling coil & liquid level/cooling set**

| Order No. | Description              | Suitable for        |
|-----------|--------------------------|---------------------|
| 9 970 534 | Cooling coil             | PURA 10, PURA 14    |
| 9 970 536 | Cooling coil             | PURA 22, PURA 30    |
| 8 970 415 | Liquid level/cooling set | PURA 10, 14, 22, 30 |


**Drain tap**

| Order No. | Description                    | Suitable for        |
|-----------|--------------------------------|---------------------|
| 8 970 453 | Drain tap with tubing, 8 mm ID | PURA 10, 14, 22, 30 |


**Dentistry accessories**

| Order No. | Description                    | Suitable for |
|-----------|--------------------------------|--------------|
| 9 970 331 | Stents lifter                  | PURA 4       |
| 9 970 532 | Stainless steel hygiene insert | PURA 4       |

**Voltage Options**

| Model   | Order No. | Available mains voltages / heating capacity kW |                       |
|---------|-----------|------------------------------------------------|-----------------------|
|         |           | 230 V<br>50-60 Hz                              | 100-115 V<br>50-60 Hz |
| PURA 4  | 9 550 504 | 0.5                                            | 0.38 ... 0.5          |
| PURA 10 | 9 550 510 | 1.2                                            | 0.9 ... 1.2           |
| PURA 14 | 9 550 514 | 1.8                                            | 0.98 ... 1.3          |
| PURA 22 | 9 550 522 | 2                                              | 0.98 ... 1.3          |
| PURA 30 | 9 550 530 | 2                                              | 0.98 ... 1.3          |

| Power requirement | Permissible ambient temperature | Test tube racks | Usable bath opening<br>W × L / D | Dimensions<br>W × L × H | Dimensions with bath cover<br>W × L × H | Weight net | Model   |
|-------------------|---------------------------------|-----------------|----------------------------------|-------------------------|-----------------------------------------|------------|---------|
| V / Hz / A        | °C                              | items           | cm                               | cm                      | cm                                      | kg         |         |
| 230/50-60/3       | +5 ... +40                      | 1               | 12 × 27 / 14                     | 21 × 35 × 22            | 21 × 37 × 36                            | 4.9        | PURA 4  |
| 230/50-60/6       | +5 ... +40                      | 2               | 22 × 27 / 14                     | 31 × 35 × 22            | 31 × 37 × 36                            | 7          | PURA 10 |
| 230/50-60/8       | +5 ... +40                      | 3               | 33 × 27 / 14                     | 42 × 35 × 22            | 42 × 37 × 36                            | 8.5        | PURA 14 |
| 230/50-60/9       | +5 ... +40                      | 5               | 55 × 27 / 18                     | 64 × 35 × 26            | 64 × 37 × 40                            | 11.5       | PURA 22 |
| 230/50-60/9       | +5 ... +40                      | 7               | 77 × 27 / 18                     | 86 × 35 × 26            | 86 × 37 × 40                            | 14.5       | PURA 30 |

Unless otherwise indicated, all data relates to the operation at nominal voltage and frequency and +20 °C ambient temperature.

# The **JULABO** advantages at a glance.

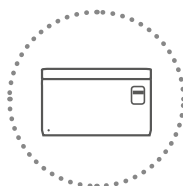
## JULABO temperature control solutions – high-precision and speed

JULABO products include high-quality temperature control solutions to cover the temperature range -95 °C to +400 °C.



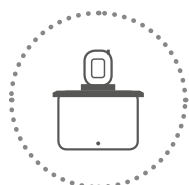
### Refrigerated Circulators

The JULABO Refrigerated Circulators are suitable for internal and external applications and can be used within the temperature range -95 °C to +200 °C.



### Water Baths and Shaking Water Baths

JULABO Water Baths and Shaking Water Baths can be used for a variety of applications within the temperature range +18 °C to +99.9 °C.



### Heating Circulators

Heating Circulators are available in various designs including Heating Immersion Circulators, Open Heating Bath Circulators, or Heating Circulators and cover the temperature range +20 °C to +300 °C.



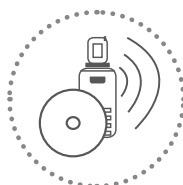
### Additional Products

In addition, the JULABO product portfolio offers instruments for special requirements such as Calibration Baths, Visco Baths, Beer Forcing Test Baths, Immersion/Flow-Through Coolers, Temperature Controllers and Refrigerators for Chemicals.



### Highly Dynamic Temperature Control Systems

The Highly Dynamic Temperature Control Systems from JULABO can be used for demanding temperature applications ranging from -92 °C to +400 °C. The PRESTO series offers unique high-performance specifications to meet these requirements.



### Wireless Communication & Software Solutions

JULABO facilitates the automation of applications. The temperature control instruments can be comfortably controlled and monitored via PC.



### Recirculating Coolers

JULABO Recirculating Coolers are highly efficient and therefore offer an environmentally friendly and economic alternative to tap water cooling in the temperature range -25 °C to +130 °C.



### Accessories

The extensive range of instrument accessories ensures JULABO products are adaptable for research and industry use.

### Comprehensive service and on-site support

JULABO takes pride in offering customers expert advice for pairing the proper JULABO temperature control solution to their specific application. JULABO service and support options include installation and calibration, equipment qualification documentation and application training. These invaluable services ensure customer confidence in the operation and maintenance of any JULABO unit.

### Individual requirements – individual products

JULABO's wide product range offers a solution for almost any application. However, if a specific application needs more than a standard product can offer, the JULABO specialists will work out an individual solution with you.



## **JULABO. Quality.**

Highest quality standards to ensure a long product life.



## **Green technology.**

Deliberately engineered with environmentally friendly materials and technologies.



## **Satisfied customers.**

11 subsidiaries and more than 100 partners worldwide guarantee fast and qualified JULABO support.



## **100 % checked.**

100 % testing. 100 % quality. Every JULABO product is shipped to customers after a successful final inspection.



## **Quick start.**

Individual JULABO consultation and comprehensive manuals at your disposal.



## **Services 24/7.**

Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies and more at [www.julabo.com](http://www.julabo.com).



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