

# BS THERMOSTATIC WATER BATH

WITH DIGITAL PID CONTROLLER  
202.09



## Key Features

- Full stainless steel AISI 304 construction, allows maximum corrosion resistance and easy cleaning .
- Pressed tank with round corners to assure the maximum hygiene and easy cleaning
- Insulated chamber between the tank and the external stainless steel walls (insulation by high quality mineral fiber), to assure a true thermal insulation, to avoid useless leakage of electric power and to reproduce isothermal conditions within all the tank.
- Half circular armoured resistors placed to cover all the tank's bottom area, to allow the maximum thermal uniformity, with removable perforated covering false bottom.
- Temperature probes fixed within the tank, into the water, to provide for the most exact water temperature reading by the digital thermal controller
- Equipped with water tap to allow complete water drain, except for model BS1 DG.
- Rubber antiskid feet adjustable in height.

## Standard thermal equipment

- Digital touch screen thermoregulator with P.I.D. microprocessor. with autotuning and NTC probe
- Temperature range from +5°C above ambient temperature to boiling point (cover required)
- Sensitive touch keypad completely protects the front of the instrument from dust and liquids (IP 65 rating)
- Three-digit display resolution (0.1°C), dual display with simultaneous display of detected temperature/set point and time (countdown)
- Integrated 99h 59' digital timer, countdown/continuous function, delayed start function
- Independent, adjustable overtemperature safety thermostat (class 3.1 – DIN 12880), activates in the event of failure of the main thermoregulator or probe, with a visual alarm
- Temperature uniformity in the tank:  $\pm 0.25^{\circ}\text{C}$  at  $80^{\circ}\text{C}$
- Thermostat control accuracy (time):  $\pm 0.20^{\circ}\text{C}$  at  $80^{\circ}\text{C}$
- Complies with European Council Directives 2006/42/EC (Machinery Directive), 2014/35/EU (Low Voltage Directive), 2014/30/EU (Electromagnetic Compatibility Directive), and EN 6101-1: (2001) standards.
- Temperature calibration certificate using an ACCREDIA-certified thermometer chain

## Optional

|                                                       |                                                                                                                                                                                                                                                                                                                                               |                                                                                                                            |                                                     |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| 8826001                                               | ELECTRIC WATER MIXER (shaft with stirring fan) Please note: this optional accessory is composed by a stainless steel box dim. mm 185x85x68 placed on the tank in side position; the shaft with the stirring fan is contained within a stainless steel protection dim. mm 60x60 placed into the tank along the short side in central position. |                                                                                                                            |                                                     |
| 8826104                                               | Internal water circulation pump (as an alternative to the electric stirrer -Code 8826001)                                                                                                                                                                                                                                                     |                                                                                                                            |                                                     |
| Antidropping stainless steel Cover double inclination |                                                                                                                                                                                                                                                                                                                                               | Test tubes stainless steel Racks, three levels dim. mm 295 x 145 (any bath can contain so many as the model number: BS...) |                                                     |
| 8822001                                               | mod. BS1 separate                                                                                                                                                                                                                                                                                                                             | 8827206                                                                                                                    | Test tubes rack 18 places, hole $\varnothing$ mm 30 |
| 8822501                                               | mod. BS1 hinged                                                                                                                                                                                                                                                                                                                               | 8827554                                                                                                                    | Test tubes rack 55 places, hole $\varnothing$ mm 17 |
| 8822002                                               | mod. BS2 separate                                                                                                                                                                                                                                                                                                                             | 8827602                                                                                                                    | Test tubes rack 60 places, hole $\varnothing$ mm 13 |
| 8822502                                               | mod. BS2 hinged                                                                                                                                                                                                                                                                                                                               |                                                                                                                            |                                                     |
| 8822003                                               | mod. BS3 separate                                                                                                                                                                                                                                                                                                                             |                                                                                                                            |                                                     |
| 8822503                                               | mod. BS3 hinged                                                                                                                                                                                                                                                                                                                               |                                                                                                                            |                                                     |
| 8822505                                               | mod. BS5 hinged                                                                                                                                                                                                                                                                                                                               | On request test tubes racks with holes of different diameters                                                              |                                                     |
| 8822506                                               | mod. BS6 hinged                                                                                                                                                                                                                                                                                                                               |                                                                                                                            |                                                     |

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| BS               | Usable internal tub dimensions<br>(mm - at the top edge) |     |     | External dimensions<br>(mm) |     |     | Capacity<br>litres |       | Weight | Power<br>(230V 50-60<br>Hz) (**) (***) |
|------------------|----------------------------------------------------------|-----|-----|-----------------------------|-----|-----|--------------------|-------|--------|----------------------------------------|
| Model<br>Code    | W                                                        | D   | H   | W                           | D   | H   | Net                | Total | Kg     | W                                      |
| BS 1<br>9025010  | 300                                                      | 150 | 160 | 370                         | 220 | 350 | 7                  | 9     | 7      | 400                                    |
| BS 2<br>9025020  | 329                                                      | 300 | 160 | 400                         | 370 | 350 | 15                 | 18    | 11     | 900                                    |
| BS 3<br>9025030  | 500                                                      | 300 | 160 | 575                         | 370 | 350 | 21                 | 28    | 15     | 1300                                   |
| BS 5<br>9025050  | 620                                                      | 500 | 160 | 695                         | 575 | 350 | 48                 | 58    | 19     | 2500                                   |
| BS 6*<br>9025060 | 900                                                      | 300 | 160 | 1120                        | 365 | 260 | 43                 | 54    | 18     | 2300                                   |

(\*)

(\*\*) except for stirring motor code 8826001 = 50 Hz

(\*\*\*) on request execution 115 V

WATER MIXER VERSION  
Cod. 8826001

