

BS/DG THERMOSTATIC WATER BATH

WITH DIGITAL PID CONTROLLER
2025.10



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 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 P.I.D. controller with autotuning, NTC probe
- Temperature range: from + 5°C above ambient up to boiling water (cover is needed in this case)
- Visualized resolution: three digits (0,1°C), double display (set point, measured temperature)
- Double over temperature protection system:
 - a) Safety independent thermal controller (class 3.1 – DIN 12880), is activated in case of default of the main digital controller or of the main probe, with visual alarm
 - b) Safety device with adjustable entry point related to set point (at 1,5°C fixed beyond set point, class 2 – DIN 12880), in case of default of the main digital controller, with visual alarm
- Temperature uniformity in the tank: $\pm 0,25^{\circ}\text{C}$ at 80°C
- Thermal Accuracy (time): $\pm 0,20^{\circ}\text{C}$ at 80°C
- Manufactured is in compliance with the DIRECTIVES of the EUROPEAN COUNCIL 2006/42/CE (Machinery Directive), 2014/35/UE (Low Voltage Directive), 2014/30/UE (EMC Directive) and standards EN 6101-1:(2001).
- Factory temperature calibration certificate (standard 1 measure)

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.		
8826101	Integrated water circulation device (magnetic stirring from the bottom of the tank). Available for models: BS1DG and BS2DG		
8843002	Digital Timer 99h 59' integrated in the digital PID controller (count down – continuous mode)		
0101021	Factory temperature calibration certificate by thermometric chain Accredia certified (standard 1 measure)		
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	

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BS	Internal upper dimensions tank (mm)			External dimensions (mm)			Capacity litres		Weight	Power (230V 50-60 Hz) (*) (**)
Model Code	W	D	H	W	D	H	Net	Total	Kg	W
BS 1 DG 9025010	300	150	160	370	220	350	7	9	7	400
BS 2 DG 9025020	329	300	160	400	370	350	15	18	11	900
BS 3 DG 9025030	500	300	160	575	370	350	21	28	15	1300
BS 5 DG 9025050	620	500	160	695	575	350	48	58	19	2500

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

(**) on request execution 115 V

WATER MIXER VERSION
Cod. 8826001

