Water Baths

Water Baths are one of the most common pieces of laboratory equipment used today, the Stuart® range offers three sizes 6, 15 and 24L with analogue or digital control. There is also a shaking water bath available the SBS40.

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THE BENCHTOP EQUIPMENT HYGIENE SOLUTION Protected by BioCote®

Water baths, analogue, SWB:1

- Corrosion resistant tank
- Easy to use analogue controls
- Choice of three sizes: 6L, 15L and 24L
- Economical price

Three robust and reliable water baths each with an easy to clean stainless steel tank and sturdy metal outer case. The heating element is located inside the tank to facilitate rapid warm-up and responsive heating. A perforated stainless steel platform (removable for cleaning) covers the element and acts as a support for vessels. Temperature is easily controlled via the temperature scaled analogue control on the front.

Stainless steel bath covers are available as an optional accessory, to help reduce heat losses and evaporation. The covers are gable shaped, designed so that any condensation runs to the interior walls of the bath.

SWB1

SWB1 with cover

Technical Specification

	SWB1	SWB2	SWB3
Nominal capacity	6L	15L	24L
Temperature range	Ambient	Ambient	Ambient
	+5°C to 100°C	+5°C to 100°C	+5°C to 100°C
Temperature stability	±0.5°C	±0.5°C	±0.5°C
Adjustable cut-out	No	No	No
Dimensions, mm (w)	335 (300)	335 (300)	335 (300)
External, mm (d)	190 (150)	370 (325)	540 (500)
(Internal), mm (h)	270 (200)	270 (200)	270 (200)
Working height, mm	160	160	160
Net weight, kg	6.1	8.7	12.3
Heater power	750W	1000W	1500W
Electrical supply	230V, 50Hz	230V,50Hz	230V, 50Hz
IP Rating	31	31	31

Ordering Information

Model	Description
SWB1	Water bath, analogue, 6L
SWB2	Water bath, analogue, 15L
SWB3	Water bath, analogue, 24L
SWB1/1	Accessory cover for 6L bath
SWB2/1	Accessory cover for 15L bath
SWB3/1	Accessory cover for 24L bath

Water baths, digital, SWB:D

SWB1D

- Digital set and display of bath temperature
- Adjustable safety thermostat
- Corrosion resistant tank
- Choice of three sizes: 6L, 15L and 24L

Similar robust construction to the analogue baths described previously but with an easy to use digital control to both set and display temperature.

Electronic control ensures good temperature stability.
Selection of bath temperature is easy and accurate via the digital LCD display which also gives a read-out of actual temperature.
Electronic control ensures good temperature stability. In addition, there is an adjustable over-temperature cut-out to protect the bath and samples from control failure.

Accessory bath covers are also available to help reduce heat losses and evaporation. The gable shaped covers are manufactured from stainless steel and have an insulated handle.

SWB1D

Technical Specification

	SWB1D	SWB2D	SWB3D
Nominal capacity	6L	15L	24L
Temperature range	Ambient +5°C to 100°C	Ambient +5°C to 100°C	Ambient+5°C to 100°C
Temperature stability	±0.5°C	±0.5°C	±0.5°C
Adjustable cut-out	Yes	Yes	Yes
Dimensions, mm (w)	335 (300)	335 (300)	335 (300)
External, mm (d)	190 (150)	370 (325)	540 (500)
(Internal), mm (h)	270 (200)	270 (200)	270 (200)
Working height, mm	160	160	160
Net weight, kg	6.1	8.7	12.3
Heater power	750W	1000W	1500W
Electrical supply	230V, 50Hz	230V, 50Hz	230V, 50Hz

Ordering Information

Model	Description
SWB1D	Water bath, digital, 6L
SWB2D	Water bath, digital, 15L
SWB3D	Water bath, digital, 24L
SWB1/1	Accessory cover for 6L bath
SWB2/1	Accessory cover for 15L bath
SWB3/1	Accessory cover for 24L bath

Water bath, shaking, SBS40

- Choice of linear or orbital shaking action
- Digital display and selection of temperature
- Low level water sensor
- Integral drain
- Range of accessories

A water bath with integral shaking, a choice of platform is available to provide linear or orbital shaking action. The platforms require no special fitting and use strong magnets, which couple to the drive unit underneath the stainless steel tank. Vessels are securely held in place on the stainless steel platform by a series of high-tension springs, which will accommodate almost any size and combination of vessel. The heater is mounted underneath the tank to allow easy cleaning. A low-level water sensor causes a warning to flash on the display to indicate when the water level is low, cutting power to the heater to prevent the bath from boiling dry. A drain is also incorporated to aid emptying of the bath. A perforated platform is available for when you might need a standard water bath without the shaking action. The platforms will accommodate the following Erlenmeyer flasks: 8 x 250ml, or 6 x 500, or 4 x 1000ml capacity.

The speed and temperature controls are easy to use. The shaking speed is adjustable and electronic feedback control ensures accurately maintained speed. The water bath temperature is set and monitored via the easy to read LED display. In addition, the design incorporates an over temperature protection system that tracks the set temperature and controls the heater in the event of a fault.

SBS40

Technical Specification

	SBS40
Capacity	24L
Temperature range	Ambient +5°C to 99.9°C
Temperature stability	±0.25°C
Shaking speed	20 to 200rpm
Shaking orbit/amplitude, mm	20
Internal dimensions, mm (w x d x h)	300 x 500 x 200
Overall dimensions, mm (w x d x h)	335 x 580 x 330
Net weight, kg,	17
Electrical supply	230V, 50Hz 1400W
IP Rating	31

Platforms

Ordering Information

Model	Description
SBS40	Water bath, shaking (without platform)
SBS40/1	Platform, linear shaking action
SBS40/2	Platform, orbital shaking action
SBS40/3	Platform, perforated

Accessories

Model	Description
SBS40/4	Polycarbonate cover, hinged
SWB3/1	Stainless steel cover
SBS40/5	Test tube rack, 143 x 1.5ml micro tubes
SBS40/6	Test tube rack, 120 x 13mm culture tubes
SBS40/7	Test tube rack, 72 x 16mm culture tubes
SBS40/8	Test tube rack, 56 x 15ml centrifuge tubes
SBS40/9	Test tube rack, 30 x 26mm culture tubes
SBS40/10	Test tube rack, 25 x 50ml centrifuge tubes

Accessories