

Shaking water baths » Linear shaking water bath – LSB Aqua Pro range

Linear shaking water bath – LSB Aqua Pro range

Grant quality and design combined with the temperature stability and functions you need in a linear shaking bath for your laboratory.

- Ambient +5°C to 99°C operation
- Stability $\pm 0.1^\circ\text{C}$
- Choice of two models – 12 and 18 litre
- Drain tap for convenient emptying
- 3 year warranty
- Universal tray and polycarbonate lid included
- Extensive choice of accessory shaking trays



LSB12 model shown



Stainless steel tank – high grade steel, with durable polished finish.

Robust magnetically coupled shaking mechanism – safe, reliable, durable, space saving.

User settable over temperature alarm – provides sample protection. Alerts user and cuts off heating at user defined temperature.

Drain tap – allows convenient emptying

Heater mat and sensor bonded to underside of tank – optimises temperature uniformity, workspace and is easy to clean.

Two programmable temperature and shaking presets – allows commonly used temperatures and shaking speeds to be quickly selected.

Grant non-drip polycarbonate lid included as standard – improves performance, limits evaporation and conserves energy.

Unique shaking mechanism – soft start, quiet operation for smooth shaking over a wide speed range.

Digital PID temperature control circuitry – with sensitive Pt1000 temperature control probe.

Clear, wide-angle viewing LED display.

Universal tray included as standard - additional accessory trays include:
Flask tray - mix and match flask clamps.
Test tube / microtube tray
See page 5.5 for full list of trays

Countdown timer with audible alarm – for accurate reaction timing (1-999mins).


User-calibration – single or dual-point for optimum accuracy at your working temperature.

Front panel lock – disables front panel controls preventing settings being accidentally changed.


- Applications:**
- Clinical/healthcare – thawing/mixing samples
 - Pharmaceutical – heating and mixing samples
 - Science education in schools/universities – practical science demonstration and experimentation
 - Industrial – QC testing, sample preparation

LSB shaking water baths – Technical specifications

Linear shaking water bath		LSB12	LSB18
Tank size	L	12	18
Min/max liquid depth	mm	60/93	
Temperature range	°C	ambient +5 to 99	
Uniformity (DIN 12876-3) @ 70°C	±°C	0.1	
Stability (DIN 12876-3) @ 70°C	±°C	0.1	
Display		LED	
Linear shaking speed	rpm	20 to 200 (depending on load)	
Shaking speed display resolution	rpm	1	
Linear shaking stroke length	mm	20	
Shaking tray area (d x w)	mm	240 x 235	
Timer		1 to 999 mins	
Heater power	120V/230V W	800/800	
Drain tap		yes	
Safety		over-temperature protection / low liquid out-out	
Supply voltage	V	120 or 230	









h: 425mm
d: 385mm
w: 360mm
weight: 8.9kg



h: 425mm
d: 395mm
w: 335mm
weight: 11.2kg

Accessories

LSB12		LSB18	
	Universal tray (included) - with adjustable springs. Highly versatile for a variety of vessel types.	TU12	TU18
	Flask / plate tray - with threaded holes to accept flask clamps or holder for deep well plates (≥2ml). See options below.	TF12	TF18
	Test tube tray - compatible with SR racks or can be used alone to accommodate bags and miscellaneous vessels. See rack options below.	TS12 (holds up to 3 SR racks)	TS18 (holds up to 5 SR racks)
	Base tray - stainless steel perforated tray allows bath to be used as an unstirred bath.	SBT12	SBT26
	Stainless steel sloping lid	LU14	LU28
	Replacement polycarbonate lid	AQL12	AQL26

Flask clamps and plate holder

Part Number	Description	LSB12 Capacity	LSB18 Capacity
SC-25	for 25ml flask	20	35
SC-50	for 50ml flask	16	28
SC-100	for 100ml flask	16	28
SC-250	for 250ml flask	9	15
SC-500	for 500ml flask	6	8
SC-1000	for 1000ml flask	4	6
SH-DWP	1 x deep well plate	1	4

Test tube racks / microtube racks

Part Number	Tube diameter (mm)	Rack capacity
SR-10	10	48
SR-13	13	44
SR-16	16	24
SR-19	19	21
SR-25	25	12
SR-30	30	10
Part Number	Microtube size (ml)	Rack capacity
SR-SE	0.5	119
SR-LE	1.5	48

*For further information on all dimensions of the trays please visit www.grantinstruments.com