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 ±0.1°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

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 dualpoint 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

## Shaking water baths » LSB Aqua Pro range » Technical specifications

LSB shaking water ba	aths - Tech	nical specifications		
		Linear shaking water bath		
		LSB12		LSB18
			h: 425mm d: 385mm w: 360mm weight: 8.9kg	h: 425mm d: 395mm w: 335mm weight: 11.2kg
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 (dependir	ng on load)
Shaking speed display resolution	rpm		1	
Linear shaking stroke length	mm		20	
Shaking tray area (d x w)	mm	240 x 235		420 x 235
Timer		1 to 999 mins		
Heater power 1	20V/230V W	800/800		1050/1400
Drain tap		yes		
Safety		over-temperature protection / low liquid cut-out		
Supply voltage	V	120 or 230		

Accessories		LSB12	LSB18	
	Universal tray (included) - with	Universal tray		
	adjustable springs. Highly versatile for a variety of vessel types.	TU12	TU18	
	Flask / plate tray - with threaded	ay - with threaded Flask / plate tray		
or h	holes to accept flask clamps or holder for deep well plates (≥2ml). See options below.	TF12	TF18	
	Test tube tray - compatible with	Test tube tray		
	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	Base tray		
perforated tray	perforated tray allows bath to be used as an unstirred bath.	SBT12	SBT26	
-0		Stainless steal sloping lid		
	With access hole for cooling coil	LU14	LU28	
		Replacement polycarbonate lid		
	Replacement polycarbonate lid	AQL12	AQL26	

Description	LSB12 Capacity	1.0040.0 "
		LSB18 Capacity
for 25ml flask	20	35
for 50ml flask	16	28
for 100ml flask	16	28
for 250ml flask	9	15
for 500ml flask	6	8
for 1000ml flask	4	6
	for 50ml flask for 100ml flask for 250ml flask for 500ml flask	for 50ml flask 16 for 100ml flask 16 for 250ml flask 9 for 500ml flask 6

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		

 $<sup>{}^\</sup>star \text{For further information on all dimensions of the trays please visit } \underline{\text{www.grantinstruments.com}}$