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:

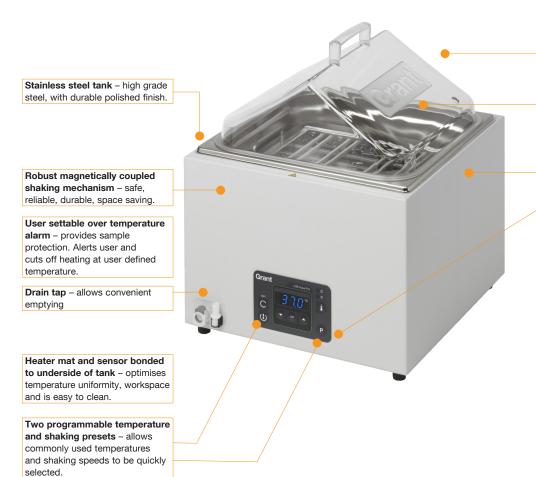
Flask tray - mix and match flask clamps.

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

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5.5

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

LSB shaking water baths	- 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 (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		420 x 235
Timer	,	1 to 999 mins		
Heater power 120V/2	30V W	800/800		1050/1400
Drain tap		yes		
Safety		over-temperature protection / low liquid cut-out		
Supply voltage	V	120 or 230		
		1.05.40		1.00.40

Accessories	3	LSB12	LSB18	
Universal tray (included) - with		Universal tray		
1	adjustable springs. Highly versatile for a variety of vessel types.	TU12	TU18	
	Flask / plate tray - with threaded	G Flask / plate tray		
or holder for deep well pla	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		
t t	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)	
perforated tra	Base tray - stainless steel	Base 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	

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		

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