

Shaking water baths » OLS26 combined orbital/linear shaking water bath

## Combined orbital/linear shaking water bath

Model OLS26 Amb +5°C to 99°C. Extend lower range to 0°C using optional accessory cooling.

Patented, combined orbital and linear shaking mechanism of the OLS26 allows optimisation of aeration and shear forces mixing, for reproducible results.



- Precision digital temperature control
- 0°C to 99°C operating range\*
- Stability  $\pm 0.1^\circ\text{C}$
- Easy changeover from linear to orbital shaking
- Adjustable shaking speed and stroke length
- Universal tray and polycarbonate lid included as standard
- Drain tap for convenient emptying
- 3 year warranty

OLS26 model shown

**Universal tray included as standard** - additional accessory trays include:  
Flask tray - mix and match flask clamps.  
Test tube / microtube tray  
See page 5.3 for full list of trays

**Universal tray flask capacity:**  
3 x 1000ml, 6 x 500ml, 18 x 100ml, 28 x 50ml, 45 x 25ml.

**Powerful drive mechanism** - soft start, quiet operation for smooth shaking over a wide speed range.

**Can be operated below ambient** to 0°C with accessory cooling - CC26.



**Heater and temperature sensor mounted under tank** - large available working area; easy to clean and keep clean.

**User defined high-temp alarm and cut-out** - provides sample protection.

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

**Unique shaking mechanism** allows orbital and linear shaking in one product - simply rotate the tray carrier 180° to change between modes.

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

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

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

**Digital PID temperature control circuitry** - with sensitive Pt1000 temperature control probe.

**Conveniently located drain tap for easy emptying.**



**Individual displays / controls for temperature and shaking speed.**

**Two adjustable temperature and shaking speed presets.**


\* accessory cooling required for operation below ambient

### Applications:









- General use - defrosting, cooling/warming liquids, temperature control of samples
- Life-science - microbiological assays, tissue studies, cell cultivation fermentation, bacterial culture, biochemical assays, enzyme assay
- Industrial - materials testing, corrosion testing
- Biopharm - solubility testing of medical coatings, dissolution, cooling crystallisation
- Food & beverage - extractions, food digestion

## OLS26 Shaking water bath » Specifications

## OLS26 Shaking water bath – Technical specifications

			Orbital/linear shaking water bath
			OLS26
			 <p>h: 475mm d: 590mm w: 335mm weight: 13.1kg</p>
Tank size	L		26
Min/max liquid depth	mm		70/134
Temperature range	°C		ambient +5 to 99.0 to 99 with accessory cooling
Uniformity (DIN 12876-3) @ 70°C	±°C		0.1
Stability (DIN 12876-3) @ 70°C	±°C		0.1
Display			2 x LED (individual displays and controls for temperature and shaking speed)
Orbital and Linear shaking speed			20 to 200 rpm (depending on load)
Orbital shaking radius	mm		9
Shaking speed display resolution	rpm		1
Linear shaking stroke length	mm		18, 28, and 36
Shaking tray area (d x w)	mm		380 x 235
Timer			1 to 999 mins
Heater power	120V/230V	W	1050/1400
Drain tap			yes
Safety			over temperature protection / low liquid level cut-out
Supply voltage	V		120 or 230

## Accessories

	Universal tray (included) - with adjustable springs. Highly versatile for a variety of vessel types.	<b>Universal tray</b>	TU26
	Flask / plate tray - with threaded holes to accept flask clamps or holder for deep well plates (≥2ml). See options below.	<b>Flask / plate tray</b>	TF26
	Test tube tray - compatible with SR racks or can be used alone to accommodate bags and miscellaneous vessels. See rack options below.	<b>Test tube tray</b>	TS26 (holds up to 5 SR racks)
	Base tray - stainless steel perforated tray allows bath to be used as an unstirred bath.	<b>Base tray</b>	SBT26
	Cooling coil - source of constant cooling to enable bath to be operated at or below ambient, down to 0°C.	<b>Immersion cooler</b>	CC26
	Heat exchange coil - can be attached to a cold water supply or refrigerated circulator. Can be used down to 2°C above the temperature of the coolant.	<b>Heat exchange coil</b>	CW26
	With access hole for cooling coil	<b>Stainless steel sloping lid (optional)</b>	LS200
	Replacement Polycarbonate lid	<b>Replacement polycarbonate lid (unsuitable for use with cooling coil)</b>	AQL26

## Flask clamps and plate holder

Part Number	Description	OLS26 Capacity
SC-25	for 25ml flask	28
SC-50	for 50ml flask	24
SC-100	for 100ml flask	15
SC-250	for 250ml flask	8
SC-500	for 500ml flask	6
SC-1000	for 1000ml flask	3
SH-DWP	1 x deep well plate	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