

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



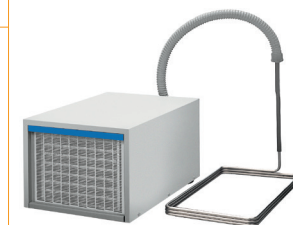
OLS26 model shown

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.

* accessory cooling required for operation below ambient

Individual displays / controls for temperature and shaking speed.


Two adjustable temperature and shaking speed presets.

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.	Universal tray	TU26
	Flask / plate tray - with threaded holes to accept flask clamps or holder for deep well plates (≥2ml). See options below.	Flask / plate tray	TF26
	Test tube tray - compatible with SR racks or can be used alone to accommodate bags and miscellaneous vessels. See rack options below.	Test tube tray	TS26 (holds up to 5 SR racks)
	Base tray - stainless steel perforated tray allows bath to be used as an unstirred bath.	Base tray	SBT26
	Cooling coil - source of constant cooling to enable bath to be operated at or below ambient, down to 0°C.	Immersion cooler	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.	Heat exchange coil	CW26
	With access hole for cooling coil	Stainless steel sloping lid (optional)	LS200
	Replacement Polycarbonate lid	Replacement polycarbonate lid (unsuitable for use with cooling coil)	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