





Heated circulating baths

3

year warranty

The versatile Optima™ heating circulator range consists of 4 models - 2 general purpose and 2 advanced. Combine models with any Grant stainless steel or plastic tank or use with a clamp to attach to other vertical sided tanks.

	General purpose		Advanced	
	T100	TC120	TX150	TXF200
				
Temperature range	amb. +5 to 100°C	amb. +5 to 120°C	amb. +5 to 150°C	amb. +5 to 200°C
Stability	±0.05°C	±0.05°C	±0.01°C	±0.01°C
Tank options	5, 12 and 18L plastic / 5, 12, 18, 26 and 38L stainless steel			

Refrigerated / heating circulating baths

4

year warranty

LT ecocool™ - a new range of innovative, eco friendly, refrigerated / heating circulating baths. Ready to use system supplied with insulated tubing and clips.

	LT ecocool™ 100	LT ecocool™ 150
		
Temperature range	amb. -20 to 100°C	amb. -25 to 150°C
Cooling power @ 20°C (W)	250	400

Shaking water baths

3

year warranty

- OLS* › Patented, combined orbital and linear 26L shaking water bath.
- LSB* › Robust, linear shaking bath for general applications, available in 12 and 18L.

	LSB	OLS26
		
Temperature range	amb. +5 to 99°C	amb. +5 to 99°C
Stability	±0.1°C	±0.1°C
Uniformity	±0.1°C	±0.1°C





* Supplied without platform / trays. Must order separately

+ With accessory cooling

Unstirred water baths

3
year warranty




- JB ACADEMY** › Basic range with a choice of 3 models. Supplied with base tray.
- JB NOVA** › General purpose water bath supplied with base tray and lid.
- SUB AQUA PRO** › Advanced water bath range supplied with base tray and lid.
- SBB AQUA PLUS** › Robust boiling bath providing continuous 100°C operation.

	JB Academy	JB Nova	SUB Aqua Pro	SBB Aqua Plus
				
Temperature range	amb. +5 to 95°C	amb. +5 to 95°C	amb. +5 to 99°C	100°C only
Stability	±0.5°C	±0.5°C	±0.2°C	-
Tank options	5, 12 and 18 L	5, 12, 18 and 26 L	8 models (2-34 L)	5, 12, 18 and 26 L
Drain tap	-	12, 18 and 26 L	12, 18, 26 and 34	12, 18 and 26 L

Dry block heaters

3
year warranty



- QB*** › General purpose dry block systems to suit most applications in the laboratory with a choice of interchangeable blocks.
- BTD** › Compact and flexible fixed block system for rapid and precise heating of microtubes.
- BT5D*** › Dry block heating system for high temperature applications.

	QB series	BTD	BT5D
			
Temperature range	amb. +5 to 200°C (QBH2)	amb. +5 to 100°C	amb. +10 to 400°C
Stability	±0.1°C (QBD/QBH)	±0.1°C	±0.5°C

Ultrasonic baths

3
year warranty

- XUBA** › Entry level baths with analogue controls. Supplied with lid and wire basket.
- XUB** › Digitally controlled range with frequency LEAP technology, reducing dead spots and standing waves. Supplied with lid and wire basket.




	XUBA range	XUB range
		
Temperature range	amb. +5 to 70°C	
Models	1 and 3 L options	5, 10, 12, 18 and 25 L options
Timer	0 to 15 mins	0 to 99 mins

* Supplied without platform / trays. Must order separately

Shakers

2
year warranty




- PSU-10i** › Orbital benchtop platform shaker. Max capacity 3kg, 10mm orbit.
- PSU-20i** › Multi-functional orbital benchtop multi-platform shaker. Max capacity 8kg, 20mm orbit.
- PMS-1000i** › Variable speed microplate shaker. 4 plate platform available.

	PSU-10i	PSU-20i	PMS-1000i
			
Speed	50 to 450 rpm	20 to 250 rpm	150 to 1200 rpm
Timer	1 min to 96 hrs		1 min to 23 hrs 59 mins

Vortex mixers

2
year warranty



- PV-1** › Personal mini vortex mixer with a small footprint for single tubes.
- V-32** › Multi tube vortex mixer for tubes up to 15ml.
- MPS-1** › High speed shaker / vortex mixer for plates, microtubes and tubes up to 50ml. Kit available, includes 4 additional inserts for various sized micro tubes or PCR plate.

	PV-1	V-32	MPS-1
			
Speed	750 to 3000 rpm	500 to 3000 rpm	300 to 3200 rpm
Orbit	4 mm	2 mm	3 mm

Stirrer / Stirrer hotplate

2
year warranty

- MMS-3000** › Compact magnetic stirrer for handling small volumes.
- MSH-300i** › Digital magnetic hotplate stirrer.





	MMS-3000	MSH-300i
		
Speed	0 to 3000 rpm	250 to 1250 rpm
Temperature range	-	+30 to 330°C
Stirring volume	20 L	

Thermoshakers

2

year warranty

- PCMT*** › Thermoshaker with cooling. Blocks available for microtubes and microplates.
- PHMT** › Thermoshaker with blocks available for microtubes and microplates.
- PHMP** › Thermoshaker for 2 or 4 microplates.
- TS-DW** › Deep well plate thermoshaker with a choice of 4 interchangeable profiled blocks.




	PCMT series	PHMT series	PHMP series	TS-DW
				
Shaking speed	250 to 1400 rpm	250 to 1400 rpm	250 to 1200 rpm	-
Temperature setting range	+4 to 100°C	+25 to 100°C	+25 to 100°C	+25 to 100

Dry blocks for heating and cooling

2

year warranty

- PCH SERIES** › Dry block heating systems for rapid heating and cooling of microtubes.





	PCH-1	PCH-2	PCH-3
			
Temperature range	-10 to 100°C		
Stability	± 0.1°C		
Capacity	12 x 1.5 mm plus 20 x 0.5 ml	20 x 1.5 ml	20 x 2.0 ml

Centrifuges and combined vortex mixer / centrifuges

2

year warranty

- LMC SERIES*** › General purpose low speed benchtop centrifuge with interchangeable rotors. Ambient or refrigerated options available.
- PCV SERIES** › Choice of 2 combined centrifuge / vortex mixers.
- MICROSPIN12** › High-speed microcentrifuge with rotor for 12 x 0.2 - 2ml microtubes.
- CVP-2** › All-in-one PCR plate centrifuge / vortex mixer.

	LMC	PCV	MICROSPIN 12	CVP-2
				
Speed	100 to 3000 rpm	1000 to 6000 rpm	100 to 14,500 rpm	250 to 1400 rpm




* Supplied without platform / trays. Must order separately

Rockers and rotators

2

year warranty

- PTR 25** › 360° vertical mini rotator with a choice of 3 platforms for tubes up to 50ml.
- PTR 35** › 360° vertical multifunction rotator with a choice of 6 platforms for tubes up to 50ml and plates.
- PTR 60** › 360° vertical multifunction rotator with a choice of 3 platforms for tubes up to 50ml.


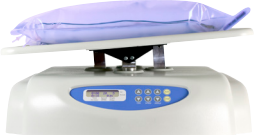
	PTR 25	PTR 35	PTR 60
			
Variable speed	5 to 30 rpm	1 to 100 rpm	
Max tube capacity	22 tubes	26 tubes	48 tubes
Timer, with automatic switch-off	1 min to 24 hrs		

Platform rockers

2

year warranty

- PMR-30** › Fixed tilt platform rocker. Supplied with non slip mat.
- PMR-100** › Adjustable tilt platform rocker. Supplied with non slip mat.



	PMR-30	PMR-100
		
Variable Speed (oscill/min)	5 to 30	1 to 99
Fixed tilt angle	7°	10°
Maximum load	0.5 kg	5 kg

Rocker

2

year warranty

- PS-3D** › Fixed tilt 3D rocker. Supplied with non slip mat.
- PS-M3D** › Multi-function 3D rocker. Supplied with non slip mat.

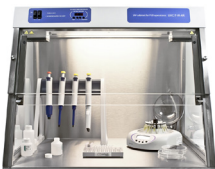


	PS-3D	PS-M3D
		
Speed	5 to 60 rpm	1 to 100 rpm
Orbital diameter	-	22 mm
Platform dims (working area)	210 x 210 mm	

PCR UV cabinets

2

year warranty

- UVC/T-M-AR** › Stainless steel UV cabinet designed for clean operation with DNA samples.
- UVT-B-AR** › Economy benchtop UV cabinet for protection during DNA / RNA procedure.
- UVT-S-AR** › Large capacity double PCR stainless steel UV cabinet.

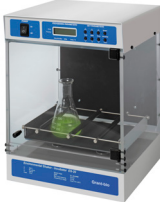

	UVC/T-M-AR	UVT-B-AR	UVT-S-AR
			
Construction	Stainless steel frame and working area		
Panels	Glass with UV-protective film		
Internal working area (mm)	650 x 475	650 x 475	1200 x 520
UV	Built in UV bactericidal cleaner recirculator and UV surface irradiation		

Orbital shaker incubators




2

year warranty

- ES-20*** › Compact orbital benchtop shaker-incubator. A choice of 5 platforms available.
- ES-80*** › Orbital shaker-incubator ideal for vigorous or even mixing and incubation of samples. A choice of 5 platforms available.

	ES-20	ES-80
		
Temperature setting range	+25 to 42°C	+25 to 80°C
Orbit	10 mm	20 mm

Application specific products

INSPISSATOR	TRANSPORTABLE INCUBATOR	TEMPERATURE GRADIENT PLATE
		
Convenient and effective inspissator for use in the preparation of TB culture medium, designed to produce large batches of uniform tuberculosis culture medium for up to six times per day.	Convenient battery-powered transportable incubator, based on a dry block heating system, for transporting biological samples at 37°C. Ideal for applications requiring portable temperature control within the range of ambient +5°C to 45°C.	Highly efficient bi-directional temperature gradient system for investigating responses to temperature shifts of seeds, small plants insects, micro-organisms or any small component or material.

* Supplied without platform / trays. Must order separately