

COOLED WATER BATHS

Using a magnetically coupled pump and internal element with RTD sensor and digital solid state microprocessor controller, the LABEC Cooled Bath achieves temperatures between -5°C to $+85^{\circ}\text{C}$ to be controlled with accuracy of $\pm 0.1^{\circ}\text{C}$. Other features:

- A CFC free compressor and cooling coil submersed in the stainless steel bath.
- These baths are designed for using the bath itself or for providing supply of conditioned fluid to another apparatus. (Add 'PK' to order code for pump out eg. LBC4PK).
- Custom sizes are available with capacity to cool down to -20°C .
- The standard bath pumps at 10 litres/minute at zero head.
- Supplied with a flat insulating lid.
- Fully insulated on all surfaces.

SPECIFICATIONS

Model	LBC4	LBC6
Internal Dim. LxWxD (cm)	30x23x17	32x30x17
External Dim. LxWxD (cm)	63x40x35	72x40x35
Capacity (litres)	12	16
Power Rating (watts)	1000	1000
Net Weight (kg)	31	36
Temperature Range	-5°C to 85°C	-5°C to 85°C

Specifications are subject to change without notice.

Model shown: LBC4PK



SHAKING WATER BATHS

LABEC Shaking Water Baths are manufactured from a seamless stainless steel tank with stainless steel outer casing. Other features:

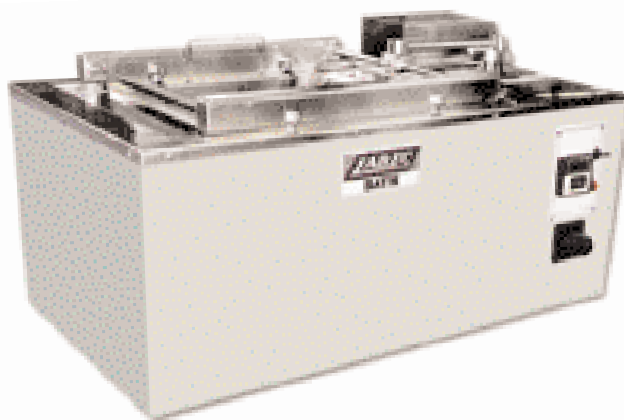
- A heavy duty motor controlled by a solid state speed controller 0 – 200 rpm with a digital temperature controller to achieve accuracy of $\pm 0.2^{\circ}\text{C}$.
- The shaking platform is mounted on nylon rollers which are not affected by high temperatures and require no maintenance.
- The rack is stainless steel and holds various sizes of flasks.
- A choice of single or adjustable stroke positions of 10, 20, 30 and 40mm can be selected by simply moving the stroke arm.
- Universal platforms for various flask sizes, or a dedicated platform for flasks or tubes is available.
- Using a fast response RTD sensor submersed in the bath base with a stainless steel element, the microprocessor controller allows the bath temperature to be set and controlled providing a uniform temperature through the bath.
- Optional gabled lid for higher temperature applications.

SPECIFICATIONS

Model	BCTSXE
Internal Dimensions LxWxD (cm)	50x29x17
External Dimensions LxWxD (cm)	71x39x30
Platform Size LxWxD (cm)	30x28x15
Power (watts)	1500
Net Weight (kg)	32
Temperature Range	Ambient $+5^{\circ}\text{C}$ to 100°C

Specifications are subject to change without notice.

Model shown: BCTSXE



55 YEARS OF MANUFACTURING IN AUSTRALIA



BATHS

FLOTATION BOILING TESTING COOLING SHAKING



Laboratory Equipment Pty Ltd

incorporating



BOILING BATHS

LABEC Boiling Baths are constructed entirely from stainless steel. They are fitted with sets of stainless steel concentric rings which can be removed to hold different flask sizes. Other features:

- An energy regulating simmerstat provides the temperature control.
- Designed specifically for constant boiling purposes.
- A constant level water device prevents the water level from dropping, whilst a manual reset thermostat also protects the elements if the bath boils dry.



SPECIFICATIONS

Model	BEM4	BEM6	BEM12	BES2	BES3	BES4
Internal Dimensions DxWxL / DxDia (cm)	10x27x27	10x39x27	10x54x39	10x20	10x25	10x30
External Dimensions DxWxL / DxDia (cm)	20x33x33	20x46x30	20x60x46	20x22	20x27	20x32
Capacity (litres)	7	10	20	3	5	7
Power Rating (watts)	1500	2000	2400	1500	1500	2400
Net Weight (kg)	10	12	14	2	3	4
Holes (mm)	4x100	6x100	12x100	1x200	1x250	1x300
Rings per hole	4	4	4	8	10	12

Specifications are subject to change without notice.

Model shown: BEM6

FLOTATION BATHS

With three models available, there is a LABEC Flotation Bath for all tissue preparation work.

- The two standard models feature either a round or square lift out black aluminium tray.
- Solid state temperature controller gives accuracy $\pm 1^\circ\text{C}$ with RTD sensor.
- The illuminated model has a high temperature lift out glass tray and a rear mounted 9 watt high efficiency lamp. The lamp is easily changed by removing the stainless steel top, which is also warmed as a working top.



SPECIFICATIONS

Model	FB1	FB2	FBL1
Tray Dimensions (cm)	25x20x7.5	25 Dia x 7.5	21x21x6
External Dimensions HxWxD (cm)	13x38x26	13x38x26	13x38x26
Power Rating (watts)	500	500	500
Net Weight (kg)	10	10	10
Temperature Range	Ambient $+5^\circ\text{C}$ to 100°C		

Specifications are subject to change without notice.

Model shown: FB1



DUAL SETPOINT BATH CIRCULATOR

- A top mounting bath circulator which can be fitted to your existing bath or one of LABEC's range of baths, with element, thermocouple, digital controller, 2 set points and adjustable timer 0 – 300hrs/mins/secs .
- A high speed stirrer motor circulates the fluid throughout the bath and controls the temperature to $\pm 0.1^\circ\text{C}$ accuracy.

Model shown: LC-1

CONSTANT TEMPERATURE WATER BATHS

Featuring a seamless stainless steel tank and stainless steel exterior, the LABEC Water Baths are long lasting and extremely accurate. Using an internal element and submerged RTD sensor connected to a solid state controller, temperature can be controlled to 0.1°C. The baths are supplied with a perforated tray which covers the element and allows even circulation of the contents of the bath.

Available options:

- Digital microprocessing controller.
- Gabled lid – hinged or lift off, acrylic or stainless steel.
- Manual reset overtemperature thermostat.
- Top mounted circulator.
- NBCT9S model features top mounted circulator for improved temperature uniformity.



SPECIFICATIONS

Model	NBCT2	NBCT5	NBCT7	NBCT9	NBCT9S
Internal Dimensions LxWxD (cm)	30x23x12	30x23x17	32x30x17	50x30x17	38x30x17
External Dimensions LxWxD (cm)	40x37x27	40x37x27	40x38x27	67x38x27	67x38x37
Capacity (litres)	8	12	16	25	22
Power (watts)	500	1000	1000	1000	1000
Weight (kg)	10	12	14	16	17
Temperature Range	Ambient +5 °C to 100°C				

Specifications are subject to change without notice.

Model shown: NBCT9

LARGE CAPACITY BATHS

LABEC's range of Large Capacity Baths feature:

- Fully welded tank with stainless steel exterior.
- With a built in element and solid state controller, the baths can be fitted with top mounted circulators to achieve control accuracy at $\pm 0.2^\circ\text{C}$, or internal pumps to keep external sizes to a minimum.
- An optional digital microprocessor controller can be fitted.
- Designed for larger industrial applications – custom sizes are available upon application.
- A gabled stainless steel lid can be fitted as hinged or lift off.
- High temperature models available for oil heating to 300°C.



SPECIFICATIONS

Model	BLC20	BLC30	BLC40	BLC50
Internal Dimensions LxWxD (cm)	50x30x30	60x35x35	80x40x40	100x40x40
External Dimensions LxWxD (cm)	75x41x41	85x46x59	106x51x66	125x51x66
Capacity (litres)	30	80	140	170
Power Rating (watts)	2000	2400	3600	6000
Net Weight (kg)	29	37	45	52
Temperature Range	Ambient +5°C to 100°C			

Specifications are subject to change without notice.

Model shown: BLC20