

Waterbaths, Circulators and Accessories

Circulators

Model	Description	Voltage V/hz	Power W	Shipping Size WxHxD (mm)	Shipping Wt. Kg	List Price ex vat R
100	Hydraulically Controlled Circulator	230/50	1400	406 x 394 x 160	4	5 223.75
102	Digital Electronically Controlled Circulator <ul style="list-style-type: none"> • All body parts are made from high grade 304 Stainless steel. • Powerful circulating water pump to ensure uniform temperature distribution. • Control range ambient + 10°C to 100°C • Suitable for water, medium or low viscosity work. • Model 102 control accuracy $\pm 0.3^{\circ}\text{C}$ PID electronic control with digital indication of process and setpoint temperature values. • Solid state relay for dynamic response. • Model 100 control accuracy $\pm 2.5^{\circ}\text{C}$ fitted with precision hydraulic thermostat control. 	230/50	1400	406 x 394 x 160	4	7 811.25



Model 100



Model 102

Waterbaths

Model	Description	Voltage V/hz	Power W	Shipping Size WxHxD (mm)	Shipping Wt. Kg	List Price ex vat R
130	Waterbath 14 Litre	N/A	N/A	430 x 410 x 405	7.5	1 705.00
132	Waterbath 34 Litre			680 x 410 x 405	14.5	2 047.50
132A	Waterbath 40 Litre <ul style="list-style-type: none"> • Bath interior made from high grade 304 stainless steel. • Units accommodate standard circulators, height adjusters and lids. 			840 x 410 x 405	15	2 392.50



Model 132 shown with accessories

Waterbaths, Circulators and Accessories

Accessories



Model	Description	List Price ex vat R
136	Waterbath Height Reducer Adjustable 50 - 90mm for 34 Litre Bath	861.25
136A	Waterbath Height Reducer Adjustable 50 - 90mm for 40 Litre Bath	1017.50
136C	Waterbath Height Reducer Adjustable 50 - 90mm for 14 Litre Bath	766.25
139	Stainless Steel Gabled Lid for 34 Litre Bath	647.50
139A	Stainless Steel Gabled Lid for 40 Litre Bath	847.5
139C	Stainless Steel Gabled Lid for 14 Litre Bath	493.75

Laboratory Low Temperature Circulating Bath

Low Temperature Circulating Bath



Model 170



Model 175

Model	Description	Voltage V/hz	Power W	Shipping Size WxHxD (mm)	Shipping Wt. Kg	List Price ex Vat R
170	Low Temperature Circulating Bath 10 Litre	230/50	1000	425 x 739 x 550	30	25 575.00
175	Low Temperature Circulating Bath 20 Litre <ul style="list-style-type: none"> • 304 Stainless Steel bath with built in circulating pump for internal and external pumping. (10 Litre/min.) • Temperature range -20°C +100°C via PID electronic control with digital indication of setpoint and process values. 	230/50	1500	425 x 855 x 700	40	29 941.25

Note: All performance specifications assume an ambient temperature of 20°C.

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PRICE LIST

Tanks Standard inner tank 200mm Deep

Stainless Steel Grade 304 fabricated inner tank. *

Glass wool Insulated housing * **Tank depth 200mm** *

TNK 15	Nominal	13 liter	50mm below brim	R 1731-25
	Brim capacity	18 liter	Tank depth 200mm	
	Tank aperture		300x300mm	
	Tank aperture with Bridge plate 300		165x300mm	
LDG 15	Gabled Lid with handle			R 501-25
HR 15	Height reducer 42mmH			R 243-75



TNK 24	Nominal	18 liter	50mm below brim	R 1911-25
	Brim capacity	24 liter	Tank depth 200mm	
	Tank aperture		400x300mm	
	Tank aperture with Bridge plate 300		265x300mm	
LDG 24	Gabled Lid with handle			R 568-75
HR 24	Height reducer 42mmH			R 356-25

TNK 34	Nominal	25 liter	50mm below brim	R 2100-00
	Brim capacity	34 liter	Tank depth 200mm	
	Tank aperture		550x300mm	
	Tank aperture with Bridge plate 300		415x300mm	
LDG 34	Gabled Lid with handle			R 631-25
HR 34	Height reducer 42mmH			R 412-50



TNK 24
+ LDG24 + TRE

TNK 40	Nominal	30 liter	50mm below brim	R 2467-50
	Brim capacity	40 liter	Tank depth 200mm	
	Tank aperture		710x300mm	
	Tank aperture with Bridge plate 300		575x300mm	
LDG 40	Gabled Lid with handle			R 825-00
HR 40	Height reducer 42mmH			R 506-25

Options

Adjustable **Height Reducers** -- Standard reducer price plus **R 331-25**

Specials to order

POR

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PRICE LIST

Waterbaths Standard inner tank 200mm Deep

Stainless Steel Grade 304 fabricated inner tank. * Glass wool Insulated housing *
Tank depth 200mm (brim) - maximum depth 150mm (brim) with element cover *

WB-T 13	Brim capacity 13,5 liter Thermostatic control Control range ambient +5°C (min +30°C) to +100°C Control accuracy better than +/- 1,5°C with lid Tank aperture 300x300mm	R 5492-50
WB-MP 13	Brim capacity 13,5 liter Micro processor control Control range ambient +5°C to +100°C Control accuracy better than +/- 0,2°C with lid Tank aperture 300x300mm	R 6737-50
LDG 13	Gabled Lid with handle ..	R 568-75



WB-T 27

WB-T 20	Brim capacity 20 liter Thermostatic control Control range ambient +5°C (min +30°C) to +100°C Control accuracy better than +/- 1,5°C with lid Tank aperture 450x300mm	R 5747-50
WB-MP 20	Brim capacity 20 liter Micro processor control Control range ambient +5°C to +100°C Control accuracy better than +/- 0,2°C with lid Tank aperture 450x300mm	R 6902-50
LDG 20	Gabled Lid with handle ..	R 631-25



LDG20
Gabled Lid

WB-T 27	Brim capacity 27 liter Thermostatic control Control range ambient +5°C (min +30°C) to +100°C Control accuracy better than +/- 1,5°C with lid Tank aperture 600x300mm	R 5981-25
WB-MP 27	Brim capacity 27 liter Micro processor control Control range ambient +5°C to +100°C Control accuracy better than +/- 0,2°C with lid Tank aperture 600x300mm	R 7287-50
LDG 27	Gabled Lid with handle ..	R 673-75

Specials to order

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PRICE LIST

Refrigerated Tanks 200mm Deep

Refrigerated tanks down to -20°C* Tank depth 200mm* Height reducer (45mm)*
Flat Lid with handle* plus drain valve*

Note:- Requires **TR-E/L** circulator, or equivalent. (see **Immersion Thermostats**)
For external circulation, option - external pipe assembly for TR-E/L is required.

TNK 14R20 minus 20°C R 17825-00

Brim capacity	18 liter
Tank aperture	300x300mm
Tank aperture with Bridge plate 300	165x300mm

TNK 23R20 minus 20°C R 21793-75

Brim capacity	30 liter
Tank aperture	500x300mm
Tank aperture with Bridge plate 300	365x300mm



TNK 14R20
With TR-E/L

Specials to order

WATERBATHS

1. Brushed finish grade 304 stainless steel interior which is acid resistant.
2. Powder coated grey electro-galvanised outer case.
3. Temperature range: Analogue controller: 5°C above ambient to 90°C Accuracy +/- 2°C
Digital controller: 5°C above ambient to 99.9°C Accuracy +/- 0.1°C Sensor PT100
4. For below ambient temperatures, optional refrigeration is required.
5. Controller on stainless steel bridge plate with hole for thermometer.
6. Supplied with nickel plated copper heater and perforated stainless steel base shelf.
7. Robust stainless steel pump unit for forced circulation for temperature stability.
8. Stainless steel gabled lid available as an optional extra.
9. Manifold for external circulation available as an optional extra.
10. Dimensions, capacities & weights may vary slightly.

ECONO – WATERBATHS

1. Brushed finish grade 304 stainless steel interior which is acid resistant.
2. Powder coated grey electro-galvanised outer case with side control and no circulation.
3. Temperature range: analogue controller: 5°C above ambient to 120°C.
4. Supplied with nickel plated copper heater and perforated stainless steel base shelf.
5. Stainless steel gabled lid available as an optional extra.
6. Dimensions, capacities & weights may vary slightly.

THERMOREGULATORS

1. Powder coated grey outer case.
2. All units have strong stainless steel circulating pump.
3. All units are available on a bridge plate.
4. All units use a 1800 watt nickel plated copper element.
5. Illuminated mains on / off switch.
6. Heater "on" pilot light.
7. Temperature range: Analogue controller: 5°C above ambient to 90°C Accuracy +/- 2°C
Digital controller 5°C above ambient to 99.9°C Accuracy +/- 0.1°C Sensor PT100
8. For below ambient temperatures, optional refrigeration is required.
9. Digital keypad controller has autotune facility.
10. All units supplied with 2 meter lead and 16 amp 3 pin plug.

WATERBATHS

APPROXIMATE CAPACITY	LENGTH	WIDTH	DEPTH	WEIGHT	BATH ALONE	BATH WITH ANALOGUE THERMOSTAT	BATH WITH DIGITAL KEYPAD CONTROL	OPTIONAL GABLED LID
18L INT EXT	300 510	320 370	200 225	14 KG	R 1,863	R 6,725	R 10,525	R 538
36L INT EXT	620 710	320 370	200 225	18 KG	R 2,188	R 7,213	R 10,975	R 613

ADDITIONAL AMOUNT ON ANY OF THE ABOVE ITEMS WITH EXTERNAL CIRCULATION:

R 525

ECONO - WATERBATHS

APPROXIMATE CAPACITY	LENGTH	WIDTH	DEPTH	WEIGHT	BATH	OPTIONAL GABLED LID
18L INT EXT	310 500	320 370	175 225	14 KG	R 3,825	R 538
36L INT EXT	605 800	320 370	175 225	18 KG	R 4,225	R 613

THERMOREGULATORS

ANALOGUE WITH CIRCULATION	ANALOGUE WITH EXTERNAL CIRCULATION	DIGITAL WITH CIRCULATION	DIGITAL WITH EXTERNAL CIRCULATION
R3610	R 5,038	R 8,550	R 9,063

SPARE HEATER:

R 375

SPARE ELECTRONIC PROBE:

R 413

SPARE THERMOSTAT:

R 250

SPARE MOTOR & SHAFT:

R 425

SPARE PUMP BUSH KIT:

R 150

SEAMLESS WATERBATHS

1. Seamless chamber to ensure no cross contamination of heating medium.
2. Powder coated grey electro-galvanised outer case.
3. Temperature range: Analogue controller 5°C above ambient to 90°C Accuracy +/- 2°C
Keypad controller 5°C above ambient to 99.9°C Accuracy +/- 0.1°C Sensor PT100
4. For below ambient temperatures, optional refrigeration is required.
4. Controller on stainless steel bridge plate with hole for thermometer.
5. Nickel plated copper heater.
6. Supplied with perforated stainless steel base shelf and flat stainless steel lid or alternatively with an optional stainless steel gabled lid (refer price on list).
7. Dimensions, capacities and weights may vary slightly.

HYDROMETER BATHS

1. Powder coated grey electro-galvanised outer case with a brushed finish stainless steel interior which is acid resistant.
2. Temperature range: Analogue controller 5°C above ambient to 90°C Accuracy +/- 2°C
Digital controller 5°C above ambient to 99.9°C Accuracy +/- 0.1°C Sensor PT100
3. For below ambient temperatures, optional refrigeration is required.
3. Controller on stainless steel bridge plate with hole for thermometer
4. Nickel plated copper heater.
5. Robust stainless steel pump unit for forced circulation for temperature stability.
6. Stainless steel gabled lid available as an optional extra.
7. 6 place unit fitted with a 300 x 250 mm toughened glass viewing window for reading of hydrometers.
8. 12 place unit fitted with a 600 x 250 mm toughened glass viewing window for reading of hydrometers.
9. Dimensions, capacities and weights may vary slightly.

SEAMLESS WATERBATHS

CAPACITY	LENGTH	WIDTH	DEPTH	WEIGHT	BATH ALONE	BATH WITH ANALOGUE THERMOSTAT	BATH WITH KEYPAD CONTROL	OPTIONAL GABLED LID
8L INT EXT	235	295	150	8 KG	R 2,125	R 6,213	R 10,088	R 613
	275	340	175					
20L INT EXT	500	295	150	12 KG	R 2,600	R 7,038	R 10,863	R 838
	540	340	175					

HYDROMETER BATHS

CAPACITY	LENGTH	WIDTH	DEPTH	BATH ALONE	BATH WITH ANALOGUE TEMPERATURE CONTROLLER	BATH WITH DIGITAL KEYPAD TEMPERATURE CONTROLLER	OPTIONAL REFRIGERATION SYSTEM	OPTIONAL GABLED LID
6 PLACE / 60L INT EXT	500	250	480	R 4,263	R 8,975	R 13,363	R 12,125	R 688
	600	300	520					
12 PLACE / 90L INT EXT	750	250	480	R 4,850	R 9,563	R 13,963	R 12,125	R 838
	850	300	520					

REFRIGERATED WATERBATHS

1. Powder coated grey electro-galvanised outer case with brushed finish grade 304 stainless steel inner chamber.
2. Silent operation CFC free refrigeration compressors.
3. The keypad digitally controlled baths run the refrigeration continuously and use a 1800 watt heater to control the temperature. Accuracy of the digital controller is +/- 0.1°C.
4. All baths come complete with perforated base shelf and gabled lid.
5. External circulation is available as an optional extra on all the baths.
6. Dimensions, capacities and weights may vary slightly

SHAKING WATERBATHS

1. Powder coated grey electro-galvanised outer case with a brushed finish stainless steel interior which is acid resistant.
2. Temperature range: Analogue controller 5°C above ambient to 90°C Accuracy +/-2°C
Digital controller 5°C above ambient to 99.9°C Accuracy +/-0.1°C Sensor PT100
3. Nickel plated copper heater.
4. Robust stainless steel pump unit for forced circulation for temperature stability.
5. Supplied with hinged stainless steel gabled lid and drain.
6. All parts of shaking attachment manufactured from stainless steel, where possible.
7. Stainless steel shaking platform made to customers requirements.
8. Shaking mechanism driven by maintenance free 0.18kw induction motor.
9. Speed controlled by means of frequency inverter with analogue setting. Speed range 30 to 200 r.p.m.
10. Shaking offset of 20 mm.
11. Dimensions, capacities and weights may vary slightly

REFRIGERATED WATERBATHS

CAPACITY	LENGTH	WIDTH	DEPTH	+20°C BATH TEMPERATURE RANGE	0°C BATH TEMPERATURE RANGE	-20°C BATH H TEMPERATURE RANGE
18L INT	300	320	190	+10°C TO +60°C R 20,613	-5°C TO +60°C R 22,725	-20°C TO +60°C R 29,200
EXT	600	430	600			

SHAKING WATERBATHS

CAPACITY	LENGTH	WIDTH	DEPTH	BATH WITH ANALOGUE TEMPERATURE CONTROLLER	BATH WITH DIGITAL KEYPAD TEMPERATURE CONTROLLER	OPTIONAL RPM INDICATOR
36L INT	620	320	200	R 23,863	R 27,200	R 2,525
EXT	960	370	250			