

Refrigerated/heating circulating baths

Grant

A range of innovative, eco-friendly refrigerated/heating circulating baths offering significant running cost savings whilst delivering powerful cooling. A choice of models with temperature ranges -30°C to 200°C (model dependent) All products in the LT Ecocool™ range are supplied assembled as ready to use kits, complete with accessory hosing*, clips and connectors as standard.

* Temperature range of hosing supplied: -40 to 100°C (can be cut to length as required).

Applications:

Pharmaceutical	Mini pilot plant reactors
Education	Rotary evaporator cooling, replacement of running tap water cooling, immersing small samples, photometry, chromatography systems
Industrial	QC testing, sample preparation, general cooling, reaction chemistry, temperature control, semi-conductor manufacturing, rheometry
Food	Refractometry
Life-science	Electrophoresis cooling
High temperature cooling	Active up to 200°C

- eco mode optimises the cooling control needed, enabling rapid cool down when required
- Full colour 5 language QVGA TFT display on both the ecocool 150 and ecocool 200 units
- True energy saving against competitor units that only switch the compressor off
- Modern, sleek, attractive design
- Thermostat and chiller work in harmony, neither will operate alone, eliminating any danger of overheating or freezing
- Intuitive user interface
- Single front switch for user convenience
- No side vents, located to suit the user, not the unit



BA/65460

Technical Specifications

Model	LT Ecocool 100	LT Ecocool 150
Temperature range	-20 to 100°C	-25 to 150°C
Temperature stability	±0.05°C	±0.02°C
Flow rate (max)	17 L/min	14 to 22 L/Min (adjustable)
Pump pressure (max)	250 mbar	530 mbar
Tank volume	5 Litre	6 Litre
Calibration points	2	5
Cooling power (Typical) @ 20°C	250W	350W
@ 10°C	230W	330W
@ 0°C	185W	230W
@ -10°C	115W	109W
@ -20°C	45W	50W
Programs	---	1 x 30 segments via Labwise™
Communications interface	---	USB
Temperature probe socket	---	6 pin mini DIN
Display	4 Digit LED	Full colour QVGA TFT
Languages	---	5 (English, French, German, Italian and Spanish)
Timer	1 min to 99 hrs 59mins	
Temperature presets	3	
Alarms	High	High and low
Safety	Adjustable over temperature cut-out	
Ready to use kits	Assembled and supplied with standard tubing, insulation, clips and connectors	
Weight	29Kgs	
Dimensions	640 x 430 x 245mm	
Electrical power (max) 120V/230V	2.16/2.07 (50-60Hz)	2.28/2.76 (50-60Hz)



BA/65470

Cat. No.	Description
BA/65460	Refrigerated/heating circulating bath LT Ecocool 100, capacity 5 litres, 100°C
BA/65462	Refrigerated/heating circulating bath LT Ecocool 150, capacity 6 litres, 150°C

Accessories

Cat. No.	Description
BA/65466	Plastic flexible external probe for use with LT Ecocool 150
BA/65468	Stainless steel external probe for use with LT Ecocool 150
BA/65470	Vertical turbine pump for LT Ecocool bath, 240v, 1000mb
BA/65472	Vertical turbine pump for LT Ecocool bath, 240v, 1650mb
BA/65474	Insulated hose kit, -40 to 100°C, 2 x 2 meter lengths, can be cut to size, 10mm internal diameter x 14mm external diameter
BA/65476	High temperature insulated hose kit, -50 to 200°C, 2 x 2 meter lengths, can be cut to size, 8mm internal diameter x 11 mm external diameter



BA/65474