

REFRIGERATED BATHS

These baths are a complete refrigerated circulating system for closed circuit applications for temperature ranges from -35 to 100°C. Two bath capacities are available, 7 litres (RB-5A) or 12 litres (RB-12A). Temperature control is by the thermoregulator giving four different combinations.

- Temperature range -35°C to 100°C
- 7 or 12 litre capacity
- Control stability $\pm 0.005^\circ\text{C}$ with TU-20D controller.



COOLING (AT 20°C AMBIENT)	RB-5A	RB-12A
Minimum Achievable Temperature (°C) *	-20	-35
Maximum Achievable Temperature (°C)	100	100
Cooling Capacity at 20°C (watts)	145	235
Cooling Capacity at 0°C (watts)	145	371
Cooling Capacity at -10°C (watts)	110	154
Dimensions Overall Size:		
L x W x H (mm with controller)	430 x 250 x 566	430 x 370 x 610
Liquid surface to top of the bath	65	65
Internal Dimensions: L x W x H (mm)	192 x 151 x 200	208 x 300 x 150
Working length to thermoregulator (mm)	224	224
Working depth - Max/Min (mm)	180/135	130/85
Working capacity - Max/Min (litres)	7.0/5.5	11.6/9.6

THERMOREGULATOR	TE-10D	TU-20D
Temperature Selection	Digital	Digital
Temperature Stability @ 40°C (°C)	± 0.01	± 0.005
Nominal Heater Power at 120V (watts)	1000	1500
Nominal Heater Power at 230V (watts)	1000	1800
Pump Capacity (litres/min)	10	10
Pump Capacity (mbar)	145	145
Method of Control	PID	PID
Temperature Sensor	PRT	PRT
PC Interface	NO	YES RS232
Software	NO	OTBSoft

* Using a mixture of 40% water, 40% antifreeze, 20% alcohol to achieve -35°C