

# QRLab REFRIGERATED BATH CIRCULATORS

The Refrigerated Bath Circulators are suitable for applications of General laboratory cooling, Fermenters, Spectrophotometer, Refractometers, Densitometer, Evaporator, Electrophoresis, Polarimeter, Calibration, Chromatography, Distillation, and Iso-electric focusing.



Model: RB-0



Model: RB-1, RB-2



Model: RB-3

## Features

- Microprocessor PID controller which provides exact temperature setting and operations.
- Digital LED Display to 0.1°C shows both setting temperature and actual temperature.
- Back-up memory system protects the setting temperature value when power failure.
- Automatic diagnostic system can identify and make correction if controller is in error.
- Off set function is important for calibration purpose.
- The immersed parts of the circulators are made of stainless steel.
- Compressor with overload protection.
- Inlet and outlet nozzles can let external circulation.
- Circuit breaker is built in for both heater and refrigerator to ensure safe and lasting operation.
- Standard unit is supplied with 2 meter power cord with grounded plug.

## SPECIFICATIONS

Model	RB-0	RB-1	RB-2	RB-3	RB-4
Interior bath construction	Interior SUS 304 stainless steel				
Exterior bath construction	Powder coated mild steel				
Controller	PID controller				
Temperature working range	-20°C to 100°C				0°C to 100°C
Temperature accuracy	±0.1°C				
Temp. setting & display	Digital setting and display to 0.1°C				
Temperature sensor	PT-100				
Heater	960 Watts		1500 Watts		2000 Watts
Safety devices	ELCB circuit breaker for heater and refrigerator, built-in protection for compressor				
Compressor	1/5 Hp	1/5 Hp	¼ Hp	½ Hp	¾ Hp
Refrigerant	CFC-Free, R-134A				
Stirring/ External Circular	Built in Circulating pump / external circulation by liquid transfer pump				
Flow Rate / Outlet & inlet	8 litres/min / 8mm diameter				
Bath capacity	7 litres	7 litres	16 litres	33 litres	50 litres
Bath dimensions (mm)	160W x 290D x 150H		273Wx400Dx155H	320Wx500Dx200H	450Wx325Dx335H
Lid opening area (mm)	140Wx150D	150Wx100D	200Wx200D	300Wx300D	345Wx320D
Overall dimensions (mm)	570Wx490Dx440H	365Wx500Dx660H	415Wx620Dx745H	420Wx680Dx745H	780Wx430Dx1020
Power supply	240VAC, 50Hz				
Rated Amp	5.7A	5.9A	9.4A	9.8A	12.3A
Weight	42 kg	38 kg	55 kg	56 kg	78 kg