

OPERATING INSTRUCTIONS

The cooler is designed to run continuously.
A temperature controller is required to maintain a set temperature.
The optional Ratek TH5 Thermoregulator is ideal for this purpose.

Connection options

- When external circulation is not required the hose link (provided) must be in position connecting the inlet and outlet fittings together.
- When connecting to an external sealed system remove the link and connect to the inlet and outlet fittings as required using 13mm ID hose.
- For circulation to a non sealed system it is recommended a copper coil be used, this would be connected as above and can be used to cool in air or Water.
- When used with a TH5 it is possible to circulate to an open waterbath without attaching a coil providing the open waterbath is situated at a higher level than the cooler.
With the hose link in place on the cooler connect a hose from the TH5 pump outlet to the external bath. A return line from the external bath that will allow sufficient flow is needed to return the water directly into the cooler tank.

Instructions for use

- ⇒ Before the external connection is made fill the tank with water, this should prime the system ready for use..
- ⇒ Connect the system as required see connection options above.
- ⇒ Connect the power lead to a properly grounded 3 pin outlet.
- ⇒ Press the power switch to on.

Note:

To avoid damage to the cooling system components, a suitable anti freeze must be used

**I.E. Ethylene Glycol 30% / Water 70%
Automotive antifreeze is unsuitable, use Laboratory grade
Ethylene Glycol.**

SPECIFICATIONS

Power requirements:	240v AC 690 watt.
Temperature range:	-10° to 30°C
Pump capacity:	12 litres/ minute. At zero head
Pump Type:	Heavy duty with glandless magnetic head.
Cooling capacity:	Approximately 600 watts between 30° and 5°C.
Compressor:	1/4 HP air cooled hermetic condensing unit.
Refrigerant:	R134A.
Bath capacity:	12 Litre.
Inlet/Outlet fittings:	13mm nickel plated hose tails.

Service

Should the unit fail to operate correctly, any service work should be carried out by a qualified technician.

Unauthorised tampering will invalidate the manufacturer's guarantee

Maintenance

Avoid using contaminated water or water containing Harsh chemical cleaners.

Daily replacement of the water will prevent the build up of scale and corrosive sediment.

To prevent damage to copper components used in the heat exchanger, the use of Chlorine must be avoided.

PRODUCT WARRANTY

Ratek equipment is covered by a 12 month parts and labour warranty effective from the date of purchase.

This warranty covers the repair or replacement of any parts or components found to be defective, subject to the service options listed below.

This warranty excludes any defect resulting from misuse, neglect, accidental damage, improper voltage, or any alteration which affects the performance of the equipment.

- Does not extend to any costs associated with the delivery, damage, or loss incurred during transport.
- Is in addition to any Statutory regulations and provisions implied by the Trade Practices Act and any relevant State or Federal Government obligations.

For warranty service the following options are available:

- Contact the supplier from where the equipment was purchased to arrange for service.
- Return the equipment direct to Ratek Instruments, 60 Wadhurst Drive, Boronia, Vic 3155.

Warranty repairs not returned to Ratek can be undertaken by authorized service personnel but are limited to a parts only warranty.

Note: Proof of purchase is required for all warranty repairs.



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FOR

RC4 RECIRCULATING BATH



FOR ADDITIONAL INFORMATION / TECHNICAL SUPPORT

TEL: 61 3 98872161

FAX: 61 3 98872163

EMAIL: sales@ratek.com.au