



THE OASIS WATER COOLER SERIES FROM ARCUS AUSTRALIA

**ARCUS**

**OASIS**  
SERIES

Water Coolers

R24 and RWC24BJ



The Oasis R24 is a chilled water system used in remote situations and the RWC24BJ is a recessed unit which incorporates the R24.

## WATER COOLERS MODELS R24 and RWC24BJ

The Australian made 'Oasis' series of water coolers are manufactured to the highest possible standards. Innovative design and construction are a feature of each cooler in the series. These compact units are environmentally friendly and can be used in most locations. Whether in a small office, tea room, school, factory or even remote mining sites, we have an Oasis water cooler to suit your requirements (Refer to other brochures for details). The R24 water cooler featured is a mains connected remote unit which can also slide into the bottom half of the recessed cabinet RWC24BJ. The coolers are fully packaged for protection.

### NUMBER OF PEOPLE SERVED/CLIMATE

MODEL	COOL	MODERATE	HOT
RWC24BJ & R24	90	36-68	17-25

**The Oasis R24 is the complete refrigerated water system, which can be used either as a remote unit or it slides into the bottom half of the recessed watercooler RWC24BJ.**

### CABINET CONSTRUCTION - R24 and RWC24BJ

Both units feature modern styling and robust construction. All internal steel is galvanised.

**R24** - The slide in R24 cooling system is fabricated externally in steel with a zinc aluminium base, an epoxy primer and a deep durable coat of white epoxy paint as the finish.

**RWC24BJ** - The external is fabricated as standard in stainless steel, welded and polished to suit parent material.

### REFRIGERATION SYSTEM - R24

Refrigerant used is ozone friendly R22. This totally conforms with the very strict guidelines set by the Montreal Protocol Agreement, the world standard for the phasing out of CFC's. The refrigeration flow is controlled by a capillary tube and has been designed to give maximum heat interchange efficiency when used with the hermetically sealed compressor. Heat rejection is forced air and system design allows for operation at high ambients. The majority of units operate in an ambient of less than 35°C. However, this unit is fitted with a high ambient switch which enables the unit to safely operate up to 48°C. The switch is located on the top of the unit.

### WATER RESERVOIR - R24

A highly efficient 2.9 litre tank fabricated from seamless hard drawn copper with soft drawn refrigeration cooling and water interchange pipes bonded to the outside with the aid of a conductive thermal paste. The tank is fitted with a drain for periodic cleaning. Injected polyurethane forms the insulated jacket and the perfect vapour seal to help maintain the chilled water temperature.

### TEMPERATURE CONTROL - R24

A thermostat, factory pre-set to 10°C (non adjustable), controls drinking water temperature and a safety thermostat has been incorporated to prevent "freeze up" should the main thermostat fail.

### WATER FLOW CONTROL - R24

The Bubbler is rated to supply 1.88 litres per minute at any mains pressure between 140 and 700 kPa and is self regulating. The Jugfiller can provide up to 10 litres per minute and is manually regulated. Both units are lead free, manufactured from solid stainless steel.



R24 unit

## INSTALLATION - R24

This unit is designed to be remotely installed and comes standard with a hanging bracket should it be required. The design allows the unit to draw air from under the base should it be mounted in a cupboard where air can be drawn up through the kick rail, thus providing a positive cool air movement. Discharge air is always from the top of the unit and some relief must be provided if installed in a confined space such as a cupboard.

## INSTALLATION - RWC24BJ

Installation is simple. With the R24 unit removed, bend out tabs are provided to secure the main unit to the surrounding structure. Drain and water lines are run to the point of connection. The R24 unit is positioned and the final water connections are made. The "plan at floor level" details what services are required. With water pressure above 700 kPa, a pressure reduction valve must be fitted.

WATER INLET TEMP °C	OUTPUT LITRES PER HOUR AT 10°C			
	AMBIENT TEMPERATURE			
	20°	30°	40°	45°
15°	72	69	62	57
25°	24	23	21	19
30°	18	17	16	14
40°	12	11	10	9

## SERVICE

The entire front panel of the RWC24BJ is removable to gain access for water isolation and the front panel of the R24 is removable to gain easy access to all components and controls. Plumbing does not need to be disconnected.

## STANDARD OPTIONS - Either model.

### Filtered Water: (F)

A triple action filter system ensures crystal clear water free of dirt and rust, taste and odour and scale down to 3 Microns at all times. This system is fully integrated (RWC24BJ) or supplied separately (R24) and is made simple with the aid of a quick change bayonet type fitting for the end user to replace when required. These filter systems can not be used with un-chlorinated water. For microbiologically unsafe water, a second, ultra-violet filter must be added. COMPARE THE COST AND CONVENIENCE TO BOTTLED WATER.

### Condenser Coil Protection: (CCP)

Corrosion caused by the environmental factors such as salt air can be prevented with the aid of a special smooth finish film which also reduces lint build up.

## STANDARD OPTIONS - R24

### Taps:

A Bubbler (B) or a Jugfiller (J), can be supplied loose if the remote source is for drinking.

### Stainless Steel Panels: (SS)

For units in harsh environments or purely for aesthetics.

## STANDARD OPTIONS - RWC24BJ

### Cup Dispenser Section: (CD)

The Cup Dispenser Section is a convenient method of dispensing two columns of cups varying in size from 100ml to 200ml and discarding empties into the bin, all through one opening. Behind the access door at lower level is a removable bin and in the upper level there is ample storage for extra cups. This door is key locked.

### Top Only: (T)

If chilled water is reticulated from a central system or room temperature water only is required, this unit is ideally suited. The unit is supplied as standard with a preconnected Jugfiller (J) and Bubbler (B) to a point below the drain tray and with a length of 19mm diameter polypipe and elbows to drain waste to a tundish.

### Taps:

Add a Bubbler (B) or a jug filler (J), delete or swap the same. Tops have been designed with 3 Tap positions. This model has 2 Taps provided.

### Room Temperature: (RT)

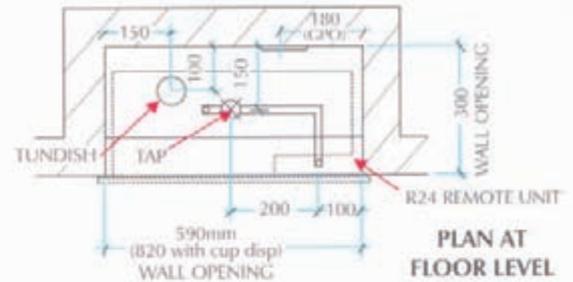
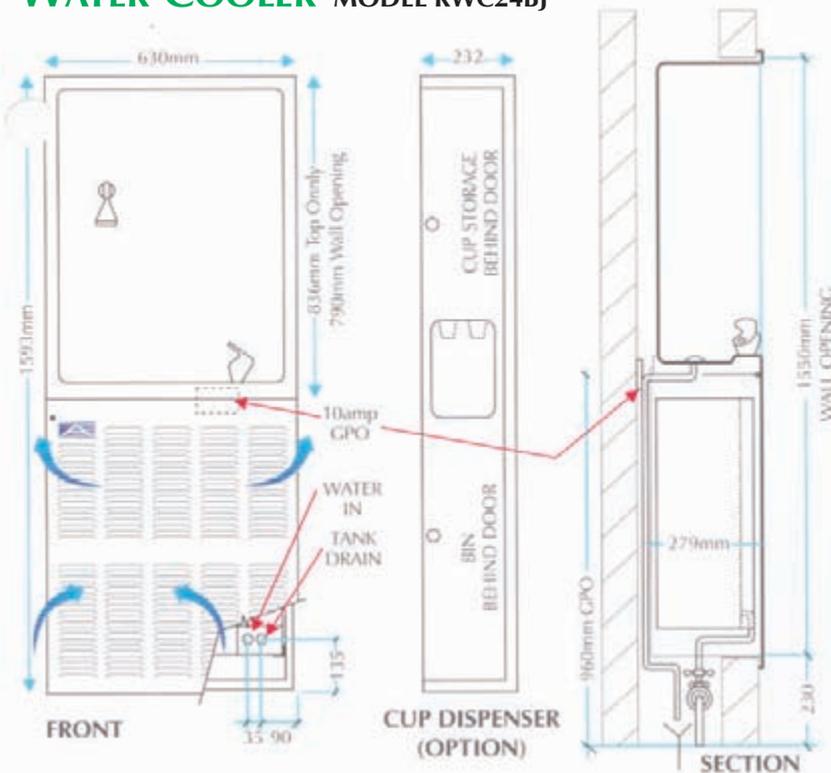
Not everybody enjoys chilled water. With the addition of another Jugfiller (J) or Bubbler (B) room temperature water can be supplied.

### Rubber Bubbler: (RB)

In some institutions and perhaps for smaller children, there may be a safety requirement to prevent damage to teeth. This bubbler is totally rubber around the mouthpiece.



## WATER COOLER MODEL RWC24BJ



### WATER CONNECTIONS

Maximum Pressure:	700 kPa
Minimum Pressure:	140 kPa
Inlet:	3/8" B.S.P. Female
Drain:	1900 Dia. polypipe supplied loose
Tank Drain:	3/8" B.S.P. Female
Connection Position:	Refer to drawing

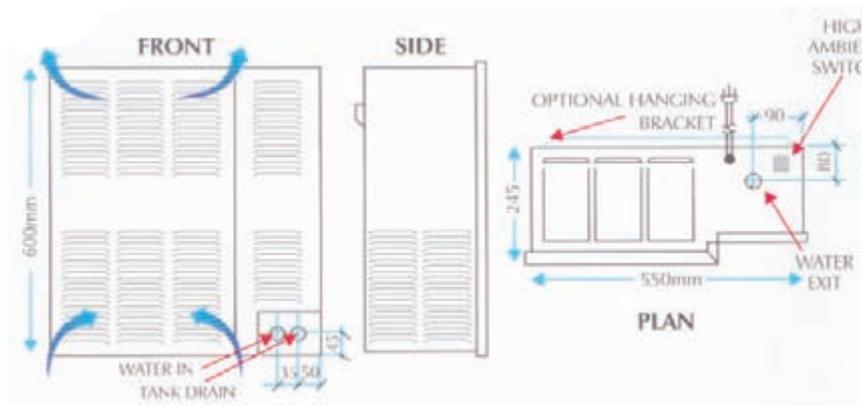
### ELECTRICAL

240 Volt +-10% 50Hz  
 Full Load Current - 2.02 Amps  
 Unit is provided with a 1.5 metre cable and 3 pin plug

### WEIGHT (Packaged)

60 kg with storage tank empty

## WATER COOLER MODEL R24



### WATER CONNECTIONS

Maximum Pressure:	700kPa
Minimum Pressure:	140kPa
Inlet:	3/8" B.S.P. Female
Tank Drain:	3/8" B.S.P. Female
Outlet (Remote only):	2 metres 1.4" Flexible Beverage tube
Connection Position:	Refer to drawing

### ELECTRICAL

240 Volt +-10% 50Hz  
 Full Load Current - 2.02 Amps  
 Unit is provided with a 1.5 metre cable and 3 pin plug

### WEIGHT (Packaged)

33 kg with storage tank empty

## Warranty

Two years parts, structure and labour in the Perth Metropolitan Area. Parts and structure only elsewhere. Labour warranty outside the Perth Metropolitan Area is quoted by the Seller and is not the responsibility of Arcus Australia Pty Ltd.



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