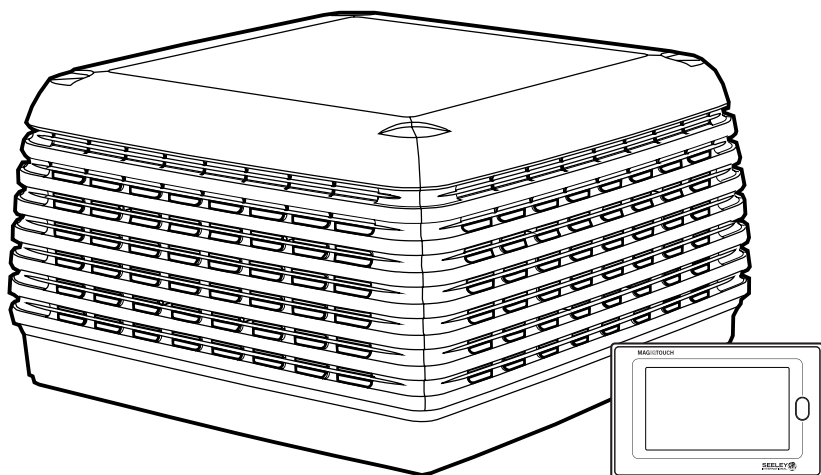




OWNER'S MANUAL

TBQ / TBS Evaporative Cooler



(English)

IMPORTANT SAFETY INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

WARNING - TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- a) Use this unit only in a manner intended by the manufacturer. If you have questions, contact the manufacturer.
- b) Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

This Breezair cooler is fitted with a MagIQtouch Controller. Please refer to the separate manual provided with the Controller for instructions on how to set-up and operate this system.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Important Notes!

In areas where temperatures can cause water supply pipes to freeze, a drain down facility should be provided during the installation. This drain down facility must be activated prior to freezing conditions, to avoid possible damage to the cooler components.

If the supply cord is damaged, it must be replaced by a Seeley service agent or similarly qualified person in order to avoid a hazard.

New hose sets supplied with the appliance are to be used.

Old hose sets (from previous installations) should not be re-used.

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Hello and congratulations on purchasing a Breezair evaporative cooler for your home.

At Seeley International we manufacture Breezair evaporative coolers from the highest quality materials, and we have designed the product to provide many years of economical, trouble-free cooling.

OPERATING YOUR COOLER

To provide efficient cooling or ventilation the building must have sufficient exhaust openings to the outside of the building. To assist air flow, open windows and doors that are farthest from the outlet vent in each room. In these rooms, provide an exhaust opening about 2 times the vent size of the room.

Where the design of the building prevents adequate exhaust, consideration should be given to the provision of mechanical extractions, such as an exhaust fan.

There are three main ways that an evaporative cooler can operate to provide cooling comfort.

The cooler can be set at a constant fan speed, without reference to the current temperature.

- The cooler can be given a temperature target, in which case it will vary the fan speed in order to get as close to the target as possible. (Note! Humid weather conditions may limit what temperatures can be achieved.)
- The cooler can be set to a fan only mode, providing air circulation only.

MAGIQTOUCH CONTROLLER SETTINGS MENU

Your MagIQtouch Controller contains a settings menu which gives you access to information about your Breezair evaporative cooler and to extra functions including:

ABOUT APPLIANCE

Access information about the appliances installed in your system.

MIN/MAX SET TEMPERATURE

You can change the minimum and maximum temperature displayed on your slider, depending on what temperature range you prefer your system to work within.

NIGHT QUIET MODE

Restrict fan speed over the night time period for a quiet night's sleep.

MANUAL DRAIN

This will turn the cooler off and drain the tank.

PAD FLUSH

This will turn the cooler off and run the pumps for a specified time. Use this feature to flush the cooler pads or in the event of a bushfire.

DRAIN AND DRY

This option allows you to nominate a time each day when the cooler will drain the tank and run the fan for 1 hour.

AUTOCLEAN

Select the preferred cleaning interval (50 / 100 / 200 hrs). At 8.00am after the selected running hours has been reached, the cooler will drain the tank, fill with fresh water and operate the pump for 5 minutes. When complete, drains the tank and returns to previous operation mode.

Note! There are some settings that are just for trained service agents or installers. You won't be able to access any of these options without a pin code.

WATER MANAGEMENT

Your Breezair evaporative cooler will be fitted with a WaterManager™ system, or a continuous bleed system. Check with your dealer to determine which system has been installed.

WATERMANAGER™

Breezair evaporative coolers are fitted with the WaterManager™ feature which automatically monitors the quality of the water in the cooler.

The WaterManager™ partially drains the existing water in the cooler to allow it to be replaced with fresh water, only when it is needed. Therefore, you may notice your cooler draining water occasionally. How often the WaterManager™ performs this operation depends upon the quality of the water supply and the rate of evaporation. In areas of poor water quality, the WaterManager™ will operate more often as it tries to maintain the optimum water quality in the cooler. This maximises the cooling effect and life of the cooling pads.

The WaterManager™ allows you to specify either high or low salinity settings. The low salinity setting is used in specific circumstances only. We recommend talking with your dealer before adjusting this setting.

The high salinity setting is designed to operate the cooler at a maximum safe salinity level to maintain a normal working life. It also results in a minimum usage of water.

Note! High salinity outlet water can be used on saline tolerant gardens, but should not be used on salt sensitive grasses or plants.

The factory default WaterManager™ setting is HI. For areas operating with bore water, WaterManager™ should be switched to off. This will disable the salinity measuring circuit and simply drain water from the tank every 2 hours of operation.

DRAIN VALVE

The WaterManager™ system is installed with a drain valve and it is accompanied by the WaterManager™ salinity probes. When the tank's water salinity level reaches a preset level the WaterManager™ will open the drain

valve and release saline water. Fresh water will then be added diluting any minerals or salts accumulated. The WaterManager™ will continue to monitor and drain water as required.

Alternatively, the cooler can be set to drain saline water at a preset period of pump operating time. This can be set by changing the salinity control method selector via the cooler settings screens.

Note! When the cooler's tank is empty and the cooler is turned on again, the fan operation will be delayed as the tank is refilled and the pads are saturated.

CONTINUOUS BLEED SYSTEM

During operation, the bleed system will drain small amounts of water. This ensures fresh water is continually added to dilute salt accumulation in the water caused through evaporation. This helps keep the air cooler in good condition and ensure optimum performance. The bleed rate will depend on local operating conditions and will be set by the installer.

POWER OUTAGES

After a power outage the MagIQtouch Controller will prompt you to enter the date and time. If the AUTO RESTART option is switched on in the SETTINGS menu, the following actions will result:

If the cooler was last running in MANUAL mode, it will automatically restart only after the date and time have been confirmed.

If the cooler was last running in PROGRAM mode, it will automatically restart, even before the time and date have been set, according to the last time recorded before the power outage.

HEALTH REGULATIONS

In some states, regulations require that evaporative air coolers be serviced at specific intervals.

SEASONAL MAINTENANCE

Maintenance Schedule servicing is essential to ensure the cooler operates efficiently for many years. **Seasonal Maintenance** is only required if you have a cooler fitted with a bleed system. The following pages outline the suitable maintenance requirements to ensure that your cooler continues to operate efficiently.

If your cooler is fitted with a drain valve, no **Seasonal Maintenance** is required. However, we require that the following components and the operation thereof, be checked after the first year, then every 2 years as **Maintenance Schedule** servicing.

- Water distribution channels.
- Pump.
- Drain valve.
- Solenoid and associated filter / fittings.
- Fan motor operation.
- Float valve.
- Salinity probes.

Seasonal Maintenance services must be performed before and after the summer season. **Maintenance Schedule** servicing should be performed before the summer season. It is important to note that all evaporative coolers have components that may need periodic replacement (eg. filter pads, hoses, o-rings etc).

WARNING! As your cooler is mounted on the roof, we suggest that any maintenance or checks be carried out by an authorised Seeley International dealer or service agent. Climbing onto the roof can be hazardous and could result in injury to you and damage to your property.

Note! Maintenance Schedule servicing may be required more frequently in adverse environmental situations and very dusty areas.

PRE-SEASON

- Turn off power supply to the cooler.
- Inspect external cabinet, dropper and flashing for any damage or deterioration.
- Check water supply to the cooler.
- Remove pad frames
- Ensure power is off at isolating switch inside the cooler.
- Gently wash pad frames to remove any dust build up during winter. **IMPORTANT!** Do not damage the pads with high pressure water spray.

- Inspect pad retention pins and washers for damage and that they are securely fitted.
- Replace the bleed system if it was removed during previous maintenance and ensure the O'ring is fitted. (If the cooler is fitted with a drain valve this will not be necessary as it will automatically close when the cooler turns on.
- Check fan motor, mounts and blades for damage.
- Turn on power supply to cooler and check electrical isolation switch operates correctly.
- Turn on the water and then the power to the cooler. Check water hose from pump to distributor cap is secure.
- Check water distribution channels in the lid are clean.
- Check drain hose from system is clear of blockages and there are no leaks.
- Check operation of float valve.
- Refit the pad frames & run the cooler.
- Check MagIQtouch controller operation.
- Check that all pads are evenly wet.

END OF SEASON

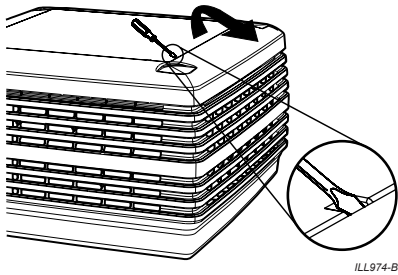
- Turn off power supply to the cooler.
- External inspection of cabinet, dropper duct and water supply valve.
- Turn off the water supply to the cooler.
- Remove the pad frames.
- Turn off the power at the isolating switch inside the cooler.
- Check and clean the water distributing channels in the lid.
- If a bleed system is installed, unclip and remove the bleed funnel. Allow the tank water to drain. Do not re-fit the bleed system at the end of the season. Do not lose the O'ring.
- Clean thoroughly the tank, pump filter and salinity probe if fitted.
- If a Drain Valve is fitted it will automatically drain. You can drain the cooler at any time by accessing the menu item located in the SETTINGS menu.
- Refit the pad frames.

WARNING! Ensure pad frames are fitted when operating the cooler.

SEASONAL MAINTENANCE - cont

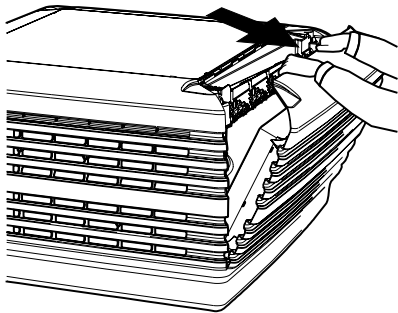
REMOVING PAD FRAMES

Insert a flat screw driver tip into the slot as shown and lever until disengagement occurs.



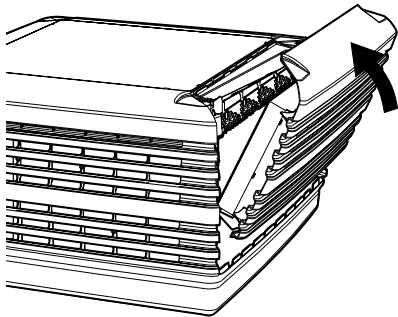
ILL974-B

Take hold of the pad frame and pull it towards you until the internal side clips disengage.



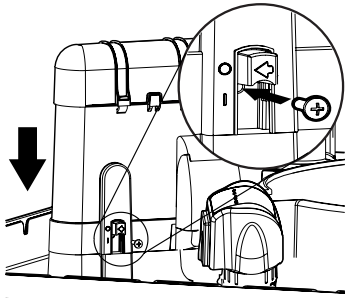
ILL975-C

Pivot the pad frame outwards and lift up. Take care not to damage the pad.



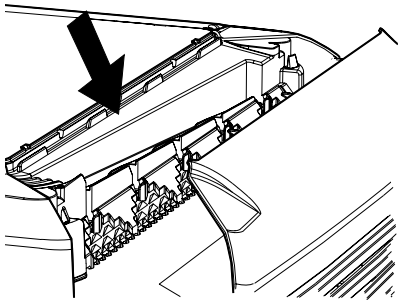
ILL976-D

COOLER ISOLATION SWITCH



ILLT060-C

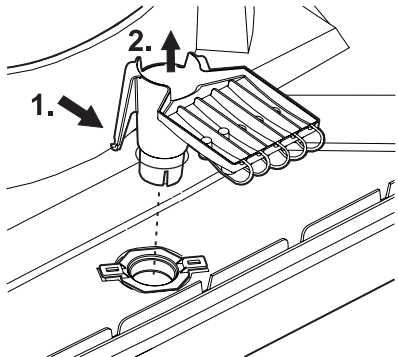
WATER DISTRIBUTION CHANNELS



ILL1103-B

REMOVING THE BLEED SYSTEM

Unclip and remove the bleed system as shown.



ILL1001-C

SEASONAL MAINTENANCE - cont

HIGH DUTY CYCLE OPERATION MAINTENANCE

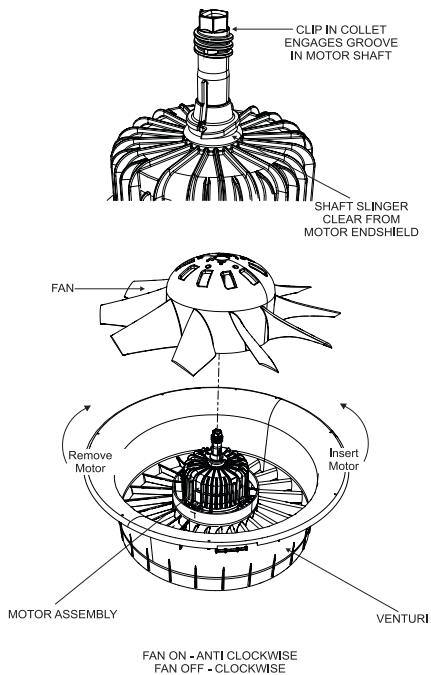
For coolers operating more than 12 hours per day continuously throughout the year the following maintenance program is required:

6 monthly maintenance:

- Inspect the cooler and check the pump, drain valve (if fitted), solenoid and fan motor.
- Check the pads and replace as required.
- Check and clean the tank and the pump filter.

12 monthly maintenance:

- Replace plastic fan and motor collet and check motor shaft for wear.



ILL1897-A

MAINTENANCE SCHEDULE SERVICE CHECKLIST

Service Item	Check/Adjust					Clean					Replace				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Water Distribution System															
Chillcel Pads (replace as required)															
Pad Retaining Washers/Pins															
Tank/Water Reservoir															
Pump Filter															
Water Probes															
System Washers, Seals and O'Rings (replace as required)															
Drain Valve/Bleed System Operation															
Component Function															
Pump Operation															
Drain Valve Operation															
Motor Operation (reset motor amps where required)															
Solenoid Operation															
Wall Control Operation															
General Operation															
Water Level Set Point															
Water Fill Time															
Water Drain Time															
Water Distribution across Pads															
Airflow through system/Outlets															
General Product condition (includes correct fitting of all components and items - replace as required)															

Service No.	Service Date	Service Technician	Service Company
No.1
No.2
No.3
No.4
No.5

TROUBLESHOOTING

Symptom	Cause	Action
Unpleasant odour	Odour from the new pads	<ul style="list-style-type: none"> • Use the 'Pad Flush' function in the SETTINGS menu of your MagIQtouch Controller to flush pads. • During initial running in period drain tank periodically to allow fresh water to flush pads.
Inadequate cooling	Dry pads	Ensure the water supply is turned on. Then check the water flow to the pads.
	Insufficient exhaust openings for conditioned air	Ensure sufficient exhaust openings.
	Excessive ambient humidity	On days during the summer when the ambient humidity is high, the cooler will not reduce the temperature as much as on drier days.
Cooler turns ON and OFF	Fault in the cooler	Contact the Dealer or Service number.

If your MagIQtouch Controller prompts you to call a service agent, please contact your local Dealer.

**When you contact your Dealer regarding service
please quote the cooler serial and model number**

Affix serial & model
number sticker here



Service

Contact your local Breezair dealer for Service
seeleyinternational.com

MANUFACTURED BY: SEELEY INTERNATIONAL PTY LTD
112 O'SULLIVAN BEACH RD, LONSDALE SA, 5160. AUSTRALIA

IMPORTED BY: SEELEY INTERNATIONAL (EUROPE) LTD
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6 WITTON ROAD, FOUNDERSVIEW SOUTH,
MODDERFONTEIN 1609, GAUTENG, SOUTH AFRICA

It is the policy of Seeley International to introduce continual product improvement.
Accordingly, specifications are subject to change without notice.
Please consult with your dealer to confirm the specifications of the model selected.

