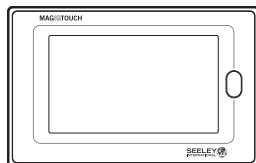
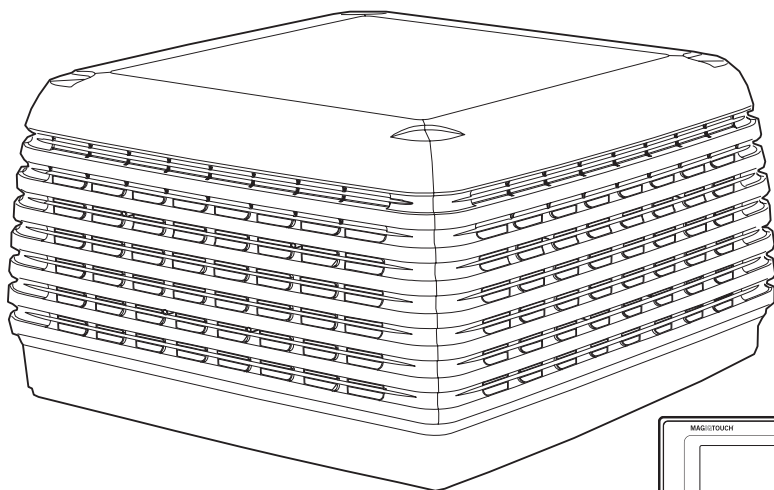




**SEELEY**  
INTERNATIONAL 

# OWNER'S MANUAL

TBQI Evaporative Cooler



(English)

**Breezair**  
By SEELEY INTERNATIONAL 

Original English Instructions

## **IMPORTANT SAFETY INSTRUCTIONS**

### **READ AND SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

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

New hose sets supplied with the appliance are to be used and old hose-sets should not be re-used.

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

- a) Use this unit only in the 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.

Never force parts to fit because all parts are designed to fit together easily without undue force.

Never drill holes in the cooler's water reservoir.

## **IMPORTANT SAFETY INSTRUCTIONS**

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

## **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.

Details on how to register your product warranty can be found near the end of this Owner's Manual.

As with any product that has moving parts or is subject to wear and tear, it is **VERY IMPORTANT** that you maintain the product and have it regularly serviced. It is a condition of warranty cover for your product that you comply with all of the maintenance and service requirements set out in the Owner's Manual. Compliance with these requirements will prolong the life of your product.

Further, it is also a condition of warranty cover that each item in the Maintenance Schedule

in the Owner's Manual is performed with the frequency indicated, by a qualified, licensed technician, and that the Maintenance Schedule is properly filled out (i.e. names, signature, date, and action taken) when the item is completed.

**ANY FAILURE TO CARRY OUT THE REQUIRED MAINTENANCE AND SERVICING REQUIREMENTS, AND ANY FAILURE TO PROPERLY FILL OUT THE MAINTENANCE SCHEDULE, WILL VOID YOUR WARRANTY.**

# TABLE of CONTENTS

<b>OPERATING YOUR COOLER</b>	<b>1</b>
<b>MAGIQTOUCH CONTROLLER OPERATION</b>	<b>1</b>
<b>MAGIQTOUCH CONTROLLER SETTINGS MENU</b>	
About Appliance	1
Min/Max Set Temperature	1
Night Quiet Mode	1
Manual Drain	1
Pad Flush	1
Autoclean	1
<b>WATER MANAGEMENT</b>	
Watermanager	2
Drain Valve	2
<b>POWER OUTAGES</b>	<b>2</b>
<b>HEALTH REGULATIONS</b>	<b>2</b>
<b>MAINTENANCE</b>	
Health Regulations	3
Access for Servicing and Maintenance	3
<b>RESIDENTIAL MAINTENANCE SCHEDULE</b>	
Requirements for All Coolers (Every 2 Years)	4
Additional Requirements for Coolers with Bleed System	5
Service Record	6
<b>COMMERCIAL / INDUSTRIAL MAINTENANCE SCHEDULE</b>	
Requirements for All Coolers (Every 3 Months or Twice per Year)	7
Additional Requirements for High Operation Hours (Every Year)	8
Service Record	9
<b>TROUBLESHOOTING</b>	<b>10</b>

# Hello and congratulations on purchasing a Seeley evaporative cooler

At Seeley International we manufacture 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 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 to cool 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 the temperatures that can be achieved).
- The cooler can be set to a fan only mode, providing air circulation only.

## MAGIQTOUCH CONTROLLER OPERATION



Refer to the Owner's Manual supplied with the controller for operating instructions.

## MAGIQTOUCH CONTROLLER SETTINGS MENU

Your MagiQtouch Controller contains a settings menu, which gives you access to information about your 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.

### 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, which are locked and are only for installers or service technicians.

## WATER MANAGEMENT

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

### WATERMANAGER™

Seeley evaporative coolers fitted with the WaterManager™ feature will automatically monitor 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, 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™ controls salinity either by measuring the salinity levels in the water (high or low setting), or by performing a timed drain (will drain the tank after a specified operation time regardless of salinity level).

### 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.

**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.

## 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 regions, regulations require that evaporative air coolers be serviced at specific intervals.

# MAINTENANCE

Maintenance Schedule servicing is essential to ensure the cooler operates efficiently for many years. It must be carried out by a qualified, licensed service technician.

It is important to note that all evaporative coolers have components that may need periodic replacement (eg. filter pads, hoses, o-rings etc).

**Note!** It is important that only new Seeley International factory authorised replacement parts be used in this cooler. Failure to do so may result in voidance of the factory warranty, improper cooler and unsafe operation.

For detailed servicing requirements refer to the Maintenance Schedule section.

**Note!** Failure to carry out the Maintenance Schedule services will void your warranty cover.

While installation is not covered by warranty (e.g. duct work, roof penetrations, electrical and water connections etc.), these items should be checked as they can affect the performance (and/or safety) of the cooler. For this reason they are included in the Maintenance Schedule.

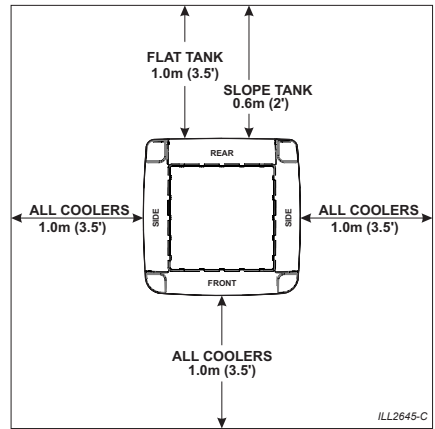
## Health Regulations

In some regions, regulations require that evaporative air coolers be serviced at specific intervals. Ensure all maintenance is done in accordance with any local and national regulations (e.g. AS/NZ 3666.2:2011).

## Access for Servicing and Maintenance

**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.

Working at heights requires additional safety precautions. Required clearances around the cooler for maintenance and servicing are shown below.



Specific job sites may incur additional charges for servicing in order to provide safe access to the cooler for servicing, which may include, but not limited to sites:-

- with a roof pitch  $>30^\circ$
- with limited access to the roof
- where roof material or the condition of does not allow safe access
- where the roof access point is  $> 4m$  above ground level
- where the cooler is located too close to a fall edge
- which are not structurally capable of supporting the weight of the cooler and service technicians

**Extra service or warranty charges may apply for the cost of any equipment or additional labour involved in providing safe access to the cooler.**

# RESIDENTIAL MAINTENANCE SCHEDULE

## Requirements for All Coolers (Every 2 Years)

Maintenance Schedule servicing should be performed before the summer season. We require that the following components and the operation thereof, be inspected after the first year of use, and serviced every 2 years for residential purpose.

COMPONENT CHECKS		Service Year						
Service Item	Action	1	2	3	4	5	6	7
Pad Frames	Check			/		/		/
	Clean (if required)			/		/		/
Tank	Check			/		/		/
	Clean (if required)			/		/		/
Chillcel Pads	Check			/		/		/
	Clean (if required)			/		/		/
	Replace (if required)			/		/		/
Pad Pins & Washers	Check / Adjust			/		/		/
	Clean (if required)			/		/		/
Water Distributors & Hoses	Check / Adjust			/		/		/
	Clean (if required)			/		/		/
Pump	Clean Filter			/		/		/
	Check Operation			/		/		/
	Replace (if required)			/		/		/
Drain Valve (if fitted)	Clean			/		/		/
	Check Operation / Adjust			/		/		/
	Replace (if required)			/		/		/
Bleed Funnel (if fitted)	Clean			/		/		/
	Check Operation			/		/		/
Solenoid	Check Operation			/		/		/
	Replace (if required)			/		/		/
Probe	Clean			/		/		/
	Check Operation			/		/		/
	Replace (if required)			/		/		/
Float Valve	Check Operation / Adjust			/		/		/
	Replace (if required)			/		/		/
Motor	Check Operation			/		/		/
	Replace (if required)			/		/		/
Fan	Check / Adjust			/		/		/
	Replace (if required)			/		/		/
Electronics Box & Cables	Check / Adjust			/		/		/
	Replace (if required)			/		/		/
General Product Condition	Check condition and correct fitting of all components. Adjust / replace as required.			/		/		/



## RESIDENTIAL MAINTENANCE SCHEDULE cont.

GENERAL INSTALLATION CHECKS	Service Year						
Action	1	2	3	4	5	6	7
Check electrical connections, isolation switches etc.			/		/		/
Check water supply, isolation valves etc.			/		/		/
Check duct, roof penetrations, support frames etc.			/		/		/
GENERAL OPERATION CHECKS	Service Year						
Action	1	2	3	4	5	6	7
Ensure no water leaks (internal/external)			/		/		/
Check water level set point			/		/		/
Check water fill time			/		/		/
Check water distribution across pads			/		/		/
Check weatherseal operation			/		/		/
Check airflow through system / outlets (all speeds)			/		/		/
Check wall control operation (all modes)			/		/		/

### Additional Requirements for Coolers with Bleed System (Every Year, Before & After Season):

Seasonal Maintenance services must be performed for coolers with a bleed system at a minimum before and after the summer season:

PRE-SEASON	Service Year						
Action	1	2	3	4	5	6	7
Chillcel Pads - Clean or replace (if required).							
Pad Frames - Clean.							
Float Valve - Check operation							
Check for leaks							
Turn on water supply							
END OF SEASON	Service Year						
Action	1B	2B	3B	4B	5B	6B	7B
Turn off water supply							
Water distributors - Clean							
Tank - Drain & clean							
Pump - Clean							
Probe - Clean							
Bleed Funnel & O-ring - Remove & retain for next season							

# RESIDENTIAL MAINTENANCE SCHEDULE cont.

## Service Record

Service No.	Service Date	Service Technician	Service Company
No.1	.....	.....	.....
No.1B	.....	.....	.....
No.2	.....	.....	.....
No.2B	.....	.....	.....
No.3	.....	.....	.....
No.3B	.....	.....	.....
No.4	.....	.....	.....
No.4B	.....	.....	.....
No.5	.....	.....	.....
No.5B	.....	.....	.....
No.6	.....	.....	.....
No.6B	.....	.....	.....
No.7	.....	.....	.....
No.7B	.....	.....	.....

# COMMERCIAL / INDUSTRIAL MAINTENANCE SCHEDULE

## Requirements for All Coolers (Every 3 Months or Twice per Year)

Maintenance Schedule servicing should be performed before and after the summer season. We require that the following components and the operation thereof, be inspected after the first 3 months of use, then serviced a minimum of twice a year for commercial/industrial purpose.

For installations with **high operation hours** (coolers operating more than 800hrs per 3 months) or where regional regulations dictate, additional 3 monthly maintenance of these components is required for the period the cooler is being used throughout the year.

\*Additional Note: In areas with airborne dust, contaminants or debris, cleaning of the tank and cooling pads is required every 3 months.

COMPONENT CHECKS		Service Year / Quarter											
		1				2				3			
Service Item	Action	A	B	C	D	A	B	C	D	A	B	C	D
Pad Frames	Check												
	Clean (if required)												
Tank*	Check												
	Clean (if required)												
Chillcel Pads*	Check												
	Clean (if required)												
	Replace (if required)												
Pad Pins & Washers	Check / Adjust												
	Clean (if required)												
Water Distributors & Hoses	Check / Adjust												
	Clean (if required)												
Pump	Clean Filter												
	Check Operation												
	Replace (if required)												
Drain Valve (if fitted)	Clean												
	Check Operation / Adjust												
	Replace (if required)												
Bleed Funnel (if fitted)	Clean												
	Check Operation												
Solenoid	Check Operation												
	Replace (if required)												
Probe	Clean												
	Check Operation												
	Replace (if required)												
Float Valve	Check Operation / Adjust												
	Replace (if required)												
Motor	Check Operation												
	Replace (if required)												

# COMMERCIAL / INDUSTRIAL MAINTENANCE SCHEDULE cont.

		Service Year / Quarter											
COMPONENT CHECKS		1				2				3			
Service Item	Action	A	B	C	D	A	B	C	D	A	B	C	D
Fan	Check / Adjust												
	Replace (if required)												
Fan Grub Screw (LCQI/TBQI/LCSI/TBSI models)	Check / Adjust												
Electronics Box & Cables	Check / Adjust												
	Replace (if required)												
General Product Condition	Check condition and correct fitting of all components. Adjust / replace as required.												
GENERAL INSTALLATION CHECKS		1				2				3			
Action		A	B	C	D	A	B	C	D	A	B	C	D
Check electrical connections, isolation switches etc.													
Check water supply, isolation valves etc.													
Check duct, roof penetrations, support frames etc.													
GENERAL OPERATION CHECKS		1				2				3			
Action		A	B	C	D	A	B	C	D	A	B	C	D
Ensure no water leaks (internal/external)													
Check water level set point													
Check water fill time													
Check water distribution across pads													
Check weatherseal operation													
Check airflow through system / outlets (all speeds)													
Check wall control operation (all modes)													

## Additional Requirements for High Operation Hours (Every Year)

The following additional maintenance program is required for coolers operating more than 3200hrs per year (i.e. equivalent of more than 8 hours per day, continuously throughout the year).

12 MONTH ADDITIONAL MAINTENANCE		Service Year		
Service Item	Action	1	2	3
Fan & Motor Collet (CPQ/LCQ/LCS/TBA/TBQ/TBS models only)	Replace			
Motor Shaft	Check for wear			
	Replace if required			

# COMMERCIAL / INDUSTRIAL MAINTENANCE SCHEDULE cont.

## Service Record

<b>Service No.</b>	<b>Service Date</b>	<b>Service Technician</b>	<b>Service Company</b>
No.1	.....	.....	.....
No.1A	.....	.....	.....
No.1B	.....	.....	.....
No.1C	.....	.....	.....
No.1D	.....	.....	.....
No.2	.....	.....	.....
No.2A	.....	.....	.....
No.2B	.....	.....	.....
No.2C	.....	.....	.....
No.2D	.....	.....	.....
No.3	.....	.....	.....
No.3A	.....	.....	.....
No.3B	.....	.....	.....
No.3C	.....	.....	.....
No.3D	.....	.....	.....

## TROUBLESHOOTING

Symptom	Cause	Action
Unpleasant odour	Odour from the new pads	<ul style="list-style-type: none"> <li>Use the 'Pad Flush' function in the SETTINGS menu of your MagIQtouch Controller to flush pads.</li> <li>Fill tank, run pump for a short period to wash pads, drain tank, refill and repeat several times if odour persists. Odour will dissipate after a number of hours of operation.</li> </ul>
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 your Seeley International authorised dealer or service number.

If your controller prompts you to call a service agent, please contact your local Seeley International authorised dealer or the service number on the back of this manual.



**When your product requires servicing, please  
quote the cooler serial and model number**

Affix serial & model  
number sticker here



**Service**

Contact your local dealer  
[seeleyinternational.com](http://seeleyinternational.com)

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

**IMPORTED BY: SEELEY INTERNATIONAL (AMERICAS) LTD**  
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PHOENIX, ARIZONA 85043, USA*

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.

**Breezer**  
By **SEELEY INTERNATIONAL** 

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[seeleyinternational.com](http://seeleyinternational.com)

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