

Service & Maintenance**REGULAR MAINTENANCE IS ESSENTIAL FOR MAXIMUM EFFICIENCY**

To ensure that your Braemar Evaporative Air conditioner remains in first class working condition for many years, it should be thoroughly serviced four (4) times a year. Service schedules should include a service at the end of the summer season and prior to the commencement of the next summer season.

c . Health Regulations. b

Please note that some State Regulations require that Evaporative Air Conditioners used for Commercial purposes must be serviced at Three (3) Monthly Intervals.

Owners of Commercial Air Conditioners should contact the Health Authority in their State for servicing guidelines.

c . Lubrication - All models. b

Bearings on electric motors and water pumps are sealed for life and do not require lubrication. The same applies to the fan shaft bearings on the RPA400-RPA900. RPA1000 - RPA1500 fan shafts are fitted with plumber blocks with grease nipples, lubricate at regular intervals, depending on frequency of use.

c . End of Season Maintenance. b

- Turn off the water supply.
- Remove filter pad frames.
- Turn off the power at the isolating switch inside cabinet, or on the corner pillar.
- Hose both sides of the filter pad frames to remove dust, salts, pollen etc.

Warning! Do not use high water pressure when cleaning Chillcel[®] pads- Damage will occur.

- Check and clean the water distributor channels.
- Empty the water reservoir through the outlet provided.
- Thoroughly clean the reservoir.
- Do not replace the drain outlet. If fitted with a drain valve, ensure that it is open.
- Ensure that there is no evidence that water is carrying over onto the motor or pumps. If so, check the pad condition.
- Check the fan blades are tight.
- Check Pulleys and Belts for wear.
- Check alignment and tensioning.
- Replace or adjust parts if necessary.
- Leave Isolating switch OFF and refit pad frames.

C Pre-Season Maintenance. b

- Remove the filter pad frames. If pads are deteriorating replace as required. (see below)
- Ensure air conditioner is turned OFF at the Isolating switch
- Regrease fan shaft bearings
- Replace drain outlet removed at the end of the season maintenance.
- Turn on the water supply.
- Check the float valve assembly for correct operation and setting of water level.
- Turn air conditioner ON at the Isolating switch.
- Refit the pad frames.
- Run air conditioner for a period of time, check pads for an even saturation of water.
- Check the bleed off rate and set using the table on page 15 of Installation manual as a guide.

C Replacing the Filter Pads. b

If, during your scheduled maintenance you determine that the filter pads need replacing, you will be able to purchase replacements from you local Braemar Dealer/Service Agent.
Replacing the pads is as follows.

- Turn air conditioner off at the isolating switch.

- Remove the pad frames from the air conditioner by turning the black latch at the top of the pads, tilting the pad outwards and lifting.
- Chillcel[®] Pad - On a suitable work surface area, remove the rivets from the top of the frame, lift off the top frame, the water tray and pad will lift out.
- Woodwool Pad - On a suitable work surface area, remove the rivets(s) securing splash guard to top of pad frame, open the wire frame and remove the pad.

- Using a spray nozzle on a garden hose with a moderate pressure, wash any dirt and salt deposits from the louvre grille and frames.

- Place the new pad into the frame and secure as before. When replacing pads with wood wool, ensure that the wood wool is distributed evenly throughout the frame and any protruding strands are pushed back in. Particular attention should be paid to the corners and edges so that air cannot bypass the pad.

- Spray the assembly with water to rinse any dust or loose material from the frames, then install into air conditioner.

Warning! Do not use high water pressure when cleaning Chillcel[®] pads- Damage will occur.

- Switch the COOL control " ON ", and check that the trough in the upper part of the pad is filling, and allowing the water to drain through the holes in the trough.

Important! New filter pads can take some time to become conditioned and uniformly saturated when water is first applied. A characteristic odour of wet timber may be experienced during this period.

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c . Health Regulations. b

Please note that some State Regulations require that Evaporative Air Conditioners used for Commercial purposes must be serviced at Three (3) Monthly Intervals.

Owners of Commercial Air Conditioners should contact the Health Authority in their State for servicing guidelines.

c . Lubrication - All models. b

Bearings on electric motors and water pumps are sealed for life and do not require lubrication. The same applies to the fan shaft bearings on the RPB600-RPB1000. RPB1200 - RPB1800 fan shafts are fitted with plumber blocks with grease nipples, lubricate at regular intervals, depending on frequency of use.

c . End of Season Maintenance. b

- Turn off the water supply.
- Remove filter pad frames.
- Turn off the power at the isolating switch inside cabinet, or on the corner pillar.
- Hose both sides of the filter pad frames to remove dust, salts, pollen etc.

Warning! Do not use high water pressure when cleaning Chillcel[®] pads- Damage will occur.

- Check and clean the water distributor channels.
- Empty the water reservoir through the outlet provided.
- Thoroughly clean the reservoir.
- Do not replace the drain outlet. If fitted with a drain valve, ensure that it is open.
- Ensure that there is no evidence that water is carrying over onto the motor or pumps. If so, check the pad condition.
- Check the fan blades are tight.
- Check Pulleys and Belts for wear.
- Check alignment and tensioning.
- Replace or adjust parts if necessary.
- Leave Isolating switch OFF and refit pad frames.

C Pre-Season Maintenance. b

- Remove the filter pad frames. If pads are deteriorating replace as required. (see below)
- Ensure air conditioner is turned OFF at the Isolating switch
- Regrease fan shaft bearings
- Replace drain outlet removed at the end of the season maintenance.
- Turn on the water supply.
- Check the float valve assembly for correct operation and setting of water level.
- Turn air conditioner ON at the Isolating switch.
- Refit the pad frames.
- Run air conditioner for a period of time, check pads for an even saturation of water.
- Check the bleed off rate and set using the table on page 9 of Installation manual as a guide.

C Replacing the Filter Pads. b

If, during your scheduled maintenance you determine that the filter pads need replacing, you will be able to purchase replacements from you local Braemar Dealer/Service Agent.

Replacing the pads is as follows.

- Turn air conditioner off at the isolating switch.
 - Using a blade screw driver or similar tool, remove the pad frames by;
 - Inserting the tool into the notch provided at the base of pad frame and approximately 130mm from edge.
 - Lift and lever base of pad frame forward so that locking tab becomes free from hole.
 - Repeat for opposite side of pad frame.
 - Tilt pad frame outwards and down until free from unit.
 - Chillcel[®] Pad - On a suitable work surface area, remove the screws from each of the retaining angles. Shake pad free from frame.
 - Using a spray nozzle on a garden hose with a moderate pressure, wash any dirt and salt deposits from the louvre grille and frames.
 - Place the new pad into the frame **ensuring that the top of the pad is against the top inside edge of pad frame** and secure as before. Slotted angle must be at base of pad frame.
 - Spray the assembly with water to rinse any dust or loose material from the frames, then install into air conditioner.
- Warning!** Do not use high water pressure when cleaning Chillcel[®] pads- Damage will occur.
- Switch the COOL control “ ON “, and check that the trough in the upper part of the pad is filling, and allowing the water to drain through the holes in the trough.

Important!

New filter pads can take some time to become conditioned and uniformly saturated when water is first applied. A characteristic odour of wet timber may be experienced during this period.

End of Season Maintenance

- Turn off the water supply.
- Remove filter pad frames.
- Turn off the power at isolating switch inside cabinet.
- Hose both sides of the filter pad frames to remove dust, salts pollen etc.
If pads are deteriorating replace as required.
- Check and clean the water distributor channels.
- Empty the water reservoir through the outlet provided. Thoroughly clean the reservoir. Do not replace the outlet.
- Ensure that water is not carrying over onto the motor.
- Check Pulleys and Belts for wear. Check alignment and tensioning.
Replace or adjust if necessary.
- Switch on Isolating switch and refit pad frames.

Pre-Season Maintenance

- Remove the filter pad frames.
- Turn off the Isolating switch
- Replace drain outlet removed at the end of the season maintenance.
- Turn on the water supply. Check the float valve assembly for correct operation and setting of water level (refer to fig. 5 on page 6 of Installation manual).
- Switch on the Isolating switch.
- Refit the pad frames.
- Run air conditioner for a period of time, check pads for an even saturation of water.
- Check the bleed off rate and set using rates on page 7 of Installation manual as a guide.

Lubrication

Bearings on blower shafts, electric motors and water pumps are sealed for life and do not require lubrication.

Health Regulations

Please note that some state Regulations require that Evaporative Air Conditioners used for Commercial purposes are to be serviced at specific Intervals.

Owners of Commercial Air Conditioners should contact the Health Authority in their state for servicing guidelines.

Replacing the Filter Pads

If, during your Pre-Season or End of Season maintenance you determine that the filter pads need replacing, you will be able to purchase replacements from your local Dealer.

Replacing the pads is as follows.

- Switch off the air conditioner.
- Remove the pad frames from the air conditioner by turning the black latch at the top of the pads, tilting the pad forward and lifting.
- *Chillcel[®] Pads* - On a suitable work surface area, remove the rivets from the top of the frame, lift off the top frame, the water tray and pad will lift out.
- *Wood wool Pads* - On a suitable work area, remove the rivet(s) securing splash guard to top of pad frame, open the wire frame and remove the pad.
- Using a high pressure spray nozzle on a garden hose, wash any dirt and salt deposits from the louvre grille and frames.
- Place the new pad into the frame and secure as before. When replacing pads with wood wool, ensure that the wood wool is distributed evenly throughout the frame and any protruding strands are pushed back in. Particular attention should be paid to the corners and edges so that air cannot bypass the pad.
- Spray the assembly with water to rinse any dust or loose material from the frames, then install into air conditioner. **DO NOT USE HIGH PRESSURE.**
- Switch the COOL control " ON ", and check that the trough in the upper part of the pad is filling, and allowing the water to drain through the holes in the trough.

NOTE. New filter pads can take some time to become conditioned and uniformly saturated when water is first applied. A characteristic odour of wet timber may be experienced during this period.

Service

To ensure that your Braemar Evaporative Air conditioner remains in first class working condition for many years, it should be thoroughly serviced twice a year. These Services should be performed at the end of the summer season and prior to the commencement of the next summer season, by an authorised Braemar Service Agent.