

# INDUSTRIAL EVAPORATIVE COOLING SERVICING

## ***Pre-Season Maintenance***

- 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.

## ***Replacing the Filter Pads - RPC & RPA***

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 forward and lifting.
- Chillcel<sup>®</sup> Pad - On a suitable work surface area, remove the rivets securing the splash guard at the top rear of the pad. Open the wire frame and the pad will lift out.
- Woodwool Pad - On a suitable work surface area, remove the rivets from the top of the frame, Lift off the top of the frame including the water tray. The pad will lift out.
- 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<sup>®</sup> 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.

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.

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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.

## ***Health Regulations***

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.

## ***Lubrication - All models.***

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.

## ***End of Season Maintenance.***

- 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.

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- 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.

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## ⇒ **Replacing the Filter Pads - RPB** ⇐

- 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<sup>®</sup> 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<sup>®</sup> 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!**

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