

## 1. AIR CONDENSER CLEANING:

1. Disconnect the unit from the electricity.
2. Close the inlet water faucet.
3. Clean condenser using a vacuum cleaner, soft brush or low pressure air. Clean from top to bottom, not side to side. Be careful not to bend the condenser fins.
4. Open the inlet water faucet.
5. Connect the unit to the electricity.

## 2. WATER FILTER REPLACE

1. Disconnect the unit from the electricity.
2. Close the inlet water faucet.
3. Close the faucets before and after the filter.
4. Remove the old cartridge and replace it with a new one.
5. Open all the closed faucets.
6. Connect the unit to the electricity.

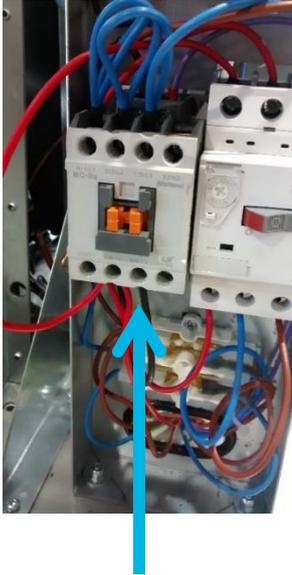
## 3. WATER CONDENSER CLEANING:

1. Disconnect the unit from the electricity.
2. Close the inlet water faucet.
3. Disconnect the condenser water inlet and outlet .
4. Prepare a solution with 50% phosphoric acid and distilled water. **Do not use hydrochloric acid.** We recommend using the cleaning product Calklin. The mixture is more effective if the water is between 35°C and 40°C. Flow the solution through the condenser for about 10 minutes using a recirculating pump.
5. Empty the product from the condenser and connect the condenser water inlet and outlet.
6. Open the water faucet.
7. Connect the unit to the electricity.

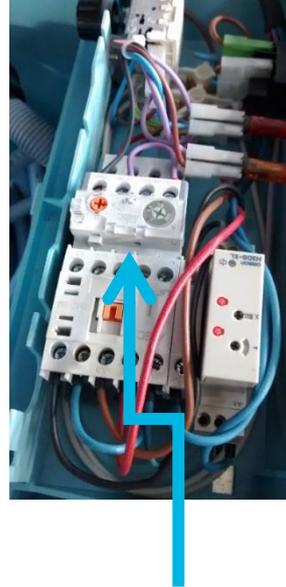
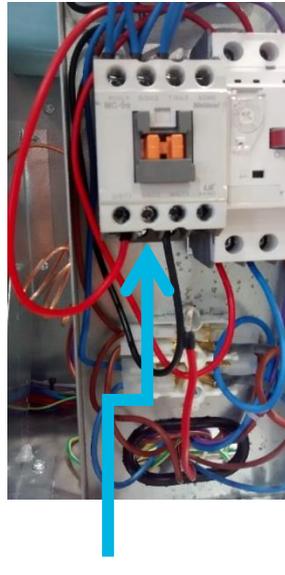
## 4. WATER CIRCUIT CLEANING:

**WARNING: Do not use the ice made during the first 5 minutes.**

8. Unplug the machine from the electricity
9. Close the water inlet faucet.
10. Modular machines: Disconnect the compressor directly from the contactor on the electric box. Compact machines: 50 and 85, place the cleaning switch on 0 to stop the compressor.



Modular units: red cable (second one) is the compressor cable

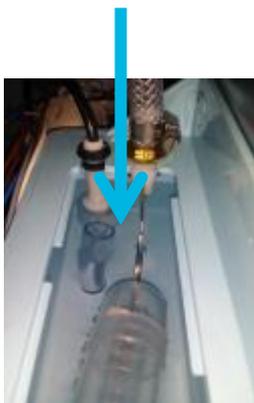


Non modular units: disconnect red cable or use cleaning switch If available.



- 11. Disconnect the water tube to the evaporator.
- 12. Disconnect the overflow tube from the water tank.

## Evaporator tube



## Overflow tube



13. Allow the water to flow during two or three minutes.
14. Once the evaporator is completely empty, re-connect the tubes to the evaporator and the water tank
15. Prepare a mix 50% acid phosphoric and distilled water. Do not use hydrochloric acid. We recommend to use our cleaner Calkin. Pour the mix slowly in the water bin (remove the cover). The solution is more effective at 35-40°C. If need it, add more water to fill the water tank and evaporator by opening the water faucet.
16. Plug the machine to the electricity and turn in on. To bypass the timer, press the contactor and it will start without waiting the 10 minutes.
17. Let it work for about 20 minutes.
18. After 20 minutes, stop the unit, close the water faucet if need it, disconnect the over flow tube to empty the water tank, and then disconnect the inlet water tube to the evaporator and purge all the solution.
19. Connect the tubes. Open the water.
20. Connect the compressor (connect to the contactor or use the cleaning switch).
21. Connect the machine and let it work .

**CAUTION: Do not use the ice made during the first 5 minutes.**

### ***Ice bin cleaning***

1. Disconnect the unit from electricity, closet he water inlet, and empty the bin of ice cubes.
2. Use a cloth with a degreasing detergent.
3. If the white lime stains won't disappear, rub with lemon, wait a bit and pass the cloth back. Rinse with water, dry and put back up the machine.

### ***Exterior cleaning***

Use the same procedure as the ice bin cleaning.

## **5. MAINTENANCE TABLE:**

<b>MAINTENANCE</b>	<b>Dusty ambient</b>	<b>Normal ambient</b>
Air condenser cleaning	6 months	12 months
Water condenser cleaning	6 months	12 months
<b>MAINTENANCE</b>	<b>Hard water (over 400ppm)</b>	<b>Soft water (less than 400 ppm)</b>
Water filter changing	6 months	12 months
Hydraulic circuit cleaning	6 months	12 months
Sanitary cleaning	6 months	12 months
Exterior cleaning	Done by costumer	Done by costumer
Ice bin cleaning	Done by costumer	Done by costumer

**During the maintenance visit, check the connections on the electric board.**