

1. AIR CONDENSER CLEANING:

- Disconnect the unit from the electricity.
- 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.
- Connect the unit to the electricity.

2. WATER CONDENSER CLEANING:

- Disconnect the unit from the electricity.
- Close the inlet water faucet.
- Disconnect the condenser water inlet and outlet .
- Prepare the cleaning product **Calkin** or a solution with 50% phosphoric acid and distilled water. **Do not use hydrochloric acid**. We recommend using the cleaning product Calkin. 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.
- Empty the product from the condenser and connect the condenser water inlet and outlet.
- Open the water faucet.
Connect the unit to the electricity.

3. WATER FILTER REPLACE

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

4. WATER CIRCUIT CLEANING:

- Disconnect machine.
- Remove drain plug situated in lower bearing.
- Use a container to collect water. Allow water to flow for 2 to 3 minutes.
- Close water entrance and replace plug. Prepare a solution of 50% phosphoric acid in distilled water.
- *Do not use hydrochloric acid.*
- Slowly pour solution into water deposit. (Solution is more effective at 35°-40°C).
- Let solution stand for 10 minutes.
- Remove lower plug and empty deposit.
- Replace plug.

- Fill container with solution to maximum capacity.
- Disconnect the compressor. To do so, connect the water pump directly to a power connector and wait 20 minutes with the pump working.
- Reconnect the pump to the unit wiring, open water, move the timer to harvest and turn on the unit.

WARNING: Discard ice produced during cleaning procedure.**

- Disconnect machine.
- Remove plug.
- Open faucet and let water run for 2 to 3 minutes.
- Close faucet, place plug, open faucet and connect the machine.

- **At this point sanitary cleaning starts

- Slowly add bleach to water deposit for at least 5 minutes.
- Allow machine to make ice for at least 15 minutes.

- **WARNING:** Discard ice produced during cleaning procedure.**

- Disconnect unit, place cover and check for water leaks.
- Change joint in water plug if necessary.
- Replace filters if necessary. (Machines provided with 5mm filters).
- Reconnect machine.

Ice bin cleaning.

- Unplug the machine, turn off water supply, and empty storage bin of ice.
- Wipe with a kitchen cloth soaked in lye and detergent.
- If white lime stains do not vanish, rub with some lemon or vinegar, wait for a few minutes and wipe with the cloth again. Rinse with plenty of water, dry, and run the machine.

Outside cleaning

Follow the same procedure as for the ice bin.

Spray nozzles and connecting pipes

- Remove the curtain (it can be cleaned with vinegar or phosphoric acid, rinse, clean with lye, rinse)
- Remove the metal grill and clean likewise.
- Pull upwards the connecting pipe. It has been assembled by pressing into place.
- Disassemble the nozzles and the connecting tube covers and clean them.
- Disassemble and clean the main filter of the production unit. (It is assembled by pressing into it)
- Assemble the filter, nozzles and connecting tube.

ATTENTION: IT IS ESSENTIAL THAT SPRAY NOZZLES ARE COMPLETELY PERPENDICULAR TO THE CONNECTING TUBES, OTHERWISE THE CUBES AT THE ENDS MAY NOT RECEIVE WATER.

- Place the grill over the nozzles, with the back slots secure.
- Install the curtain, ensuring that all of the strips can move freely.
- Run the machine but DISCARD THE FIRST SET OF ICE CUBES.

5. MAINTENANCE TABLE:

MAINTENANCE	Dusty ambient	Normal ambient
Air condenser cleaning	6 months	12 months
Water condenser cleaning	6 months	12 months
MAINTENANCE	Hard water (over 400ppm)	Soft water (less than 400 ppm)
Water filter changing	6 months	12 months
Hydraulic circuit cleaning	6 months	12 months
Injectors cleaning	6 months	12 months
Sanitation cleaning	6 months	6 months
Exterior cleaning	To do by user	To do by user
Stock bin cleaning	To do by user	To do by user

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