

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 FILTER REPLACE

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

3. WATER CIRCUIT CLEANING:

- Disconnect the unit from the electricity.
- Close the inlet water faucet.
- Open the drainage faucet (only on machines less than the 5 tons) to drain the water tank completely. Use a container to collect the water.
- Close the drainage faucet.
- We recommend using the cleaning product Calklin. Prepare a solution with **50% phosphoric acid** and distilled water. **Do not use hydrochloric acid.** The mixture is more effective if the water is between 35°C and 40°C. Pour the mix slowly in the water tank (previously remove the cover).
- Before connecting the unit, the cold production must be disabled. To do so, access the electric box from the evaporator and disconnect the cable connected to the #6 terminal.
- Open the inlet water faucet and connect the unit. Let the solution flow for 20 minutes.
- After that, open the drainage faucet, or empty the water bin. By doing so the solution will be diluted, with the water pump on and the inlet water faucet open.
- After 10 minutes, stop the unit and close the inlet water faucet. Wait until the whole unit is completely drained.
- Once the unit is drained, close the drainage faucet and open the inlet water faucet.
- Before connection the unit, please reconnect the cold production. To do so access the electric box again and connect the cable to the terminal #6.
- Connect the unit to the electricity. Produce ice for 5 minutes.

CAUTION: Discard the ice produced during this time.

- After this time the unit can be used normally.

4. EVAPORATOR INTERIOR CLEANING:

- Disconnect the machine, turn off the water.
- Remove the evaporator cover to assess the condition of the water distributor and the inside of the evaporator: main shaft, cutter supports, etc.
- Use soapy water applied with a cloth or similar that does not scratch or damage the metal surfaces. In case of presence of rust caused by saline environments, make a deeper cleaning with the mentioned products until its total elimination.
- To check the state and to clean the water collecting channel and the mouth of return to the bucket.
- Rinse the unit with water. Open the drain valve of the basin and empty it completely. If there is sediment, remove it with a cloth. Close again.
- Switch on the machine. Start ice making and remove the ice produced during the first 5 minutes.

5. WATER CIRCUIT CLEANING:

- Disconnect the unit from the electricity.
- Close the inlet water faucet.
- Open the drainage faucet (only on machines less than the 5 tons) to drain the water tank completely. Use a container to collect the water.
- Close the drainage faucet.
- Prepare a solution with the disinfectant product. Pour the mix slowly in the water tank (previously remove the cover).
- Before connecting the unit, the cold production must be disabled. To do so, access the electric box from the evaporator and disconnect the cable connected to the #6 terminal.
- Open the inlet water faucet and connect the unit. Let the solution flow for the time required by the product used.
- After that, open the drainage faucet, or empty the water bin. By doing so the solution will be diluted, with the water pump on and the inlet water faucet open.
- After 10 minutes, stop the unit and close the inlet water faucet. Wait until the whole unit is completely drained.
- Once the unit is drained, close the drainage faucet and open the inlet water faucet.
- Before connection the unit, please reconnect the cold production. To do so access the electric box again and connect the cable to the terminal #6.
- Connect the unit to the electricity. Produce ice for 5 minutes.

CAUTION: Discard the ice produced during this time.

- After this time, the unit can be used normally.

Exterior cleaning

- Disconnect the unit from electricity and close the water inlet.
- Use a cloth with a degreasing detergent.
- Apply 3 in 1 on the surface to leave a protective film.

6. MAINTENANCE TABLE:

MAINTENANCE TASK	Dusty environment	Normal environment	Saline environment
Air condenser cleaning	6 months	12 months	6 months
Cleaning inside evaporator.	6 months	6 months	3 months
MAINTENANCE TASK	Agua dura (mayor 400ppm)	Agua normal (menor 400ppm)	Brine
Water filter replacement	6 months	12 months	6 months
Hydraulic circuit cleaning	6 months	12 months	Rinse with mains water after each prolonged shutdown (+12h).
Exterior cleaning	6 months	12 months	6 months
Sanitary cleaning	6 months	6 months	6 months
Evaporator interior cleaning.	3 months	6 months	3 months

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