

1. AIR CONDENSER CLEANING:

1. Disconnect the unit from the electricity.
2. 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.
3. 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 faucet before 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 CIRCUIT CLEANING:

1. Disconnect the unit from the electricity.
2. Close the inlet water faucet.
3. 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.
4. Close the drainage faucet.
5. 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).
6. 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.
7. Open the inlet water faucet and connect the unit. Let the solution flow for 20 minutes.
8. 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.
9. After 10 minutes, stop the unit and close the inlet water faucet. Wait until the whole unit is completely drained.
10. Once the unit is drained, close the drainage faucet and open the inlet water faucet.
11. 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.
12. Connect the unit to the electricity. Produce ice for 5 minutes.

CAUTION: Discard the ice produced during this time.

13. After this time the unit can be used normally.

4. DISINFECTANT:

14. Disconnect the unit from the electricity.
15. Close the inlet water faucet.
16. 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.
17. Close the drainage faucet.
18. Prepare a solution with the disinfectant product. Pour the mix slowly in the water tank (previously remove the cover).
19. 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.
20. Open the inlet water faucet and connect the unit. Let the solution flow for the time required by the product used.
21. 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.
22. After 10 minutes, stop the unit and close the inlet water faucet. Wait until the whole unit is completely drained.
23. Once the unit is drained, close the drainage faucet and open the inlet water faucet.
24. 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.
25. Connect the unit to the electricity. Produce ice for 5 minutes.

CAUTION: Discard the ice produced during this time.

26. After this time the unit can be used normally.

Exterior cleaning

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

5. MAINTENANCE TABLE:

ACTION	Dusty environment	Normal environment
Air condenser cleaning	6 months	12 months
Water condenser cleaning	6 months	12 months
ACTION	Hard water (more than 400ppm)	Normal water (less than 400ppm)
Water filter replacement	6 months	12 months
Water circuit cleaning	6 months	12 months
Sanitary cleaning	6 months	12 months
Exterior cleaning	Done by customer	Done by customer

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