

Maintenance: Cleaning The Water System

Frequency: Recommended about twice a year. Units that are used heavily or are on highly mineralized water may require more frequent cleaning.

Cleaning this machine involves adding a solution of scale remover and water to the ice machine and continuing to add it as it makes ice. The scale remover must be diluted to the correct ratio. This is followed by sanitizing. The ice machine must be connected to power, water and drain during this process. Recommended tools: Rubber gloves, small scrub brush & scale remover.

1. Remove the top panel for reservoir access.

Note: If the unit must be pulled out to remove the panel and access the water reservoir, be sure that the water supply, drain and power remain connected

2. Remove the front panel for control access.

3. Scoop out and discard all of the ice.


4. Press and hold the Off button until the machine shuts off.

5. Locate float valve on/off lever. Rotate to shut water supply OFF.

6. Push tab on front edge of reservoir cover and remove the cover.

Note: Adjacent wires are low voltage and are not hazardous.

7. Locate drain plug and pull the drain plug out to drain the reservoir and evaporator. When draining is complete, return the plug to its original position.

⚠ CAUTION	Ice machine scale remover contains acids. Acids can cause burns.
	If concentrated cleaner comes in contact with skin, flush with water. If swallowed, do NOT induce vomiting. Give large amounts of water or milk. Call Physician immediately. Keep out of the reach of children.

8. Mix a solution of Clear 1 scale remover with water: 2.5 ounces of Clear 1 with 1 quart (32 oz) of warm (90°F/32°C to 110°F/43°C) potable water.

Note: Take care not to spill any scale remover on any nearby surface. Immediately wipe any spill with baking soda and water.

9. Fill the reservoir with the scale remover solution. That will be about 8 ounces.

10. Unscrew (rotate CCW) and remove the ice sweep.

11. Wash the ice sweep and lower part of the breaker with the scale remover solution. Remove as much scale as possible.

⚠ CAUTION Caution: Be **SURE** no scale remover contacts the bearing.

12. Return the ice sweep to its original position.

13. Press and HOLD the both the On and Off buttons for 5 seconds. The Time to Clean light will blink on and off.

The auger motor will be operating for 20 minutes, after that the compressor will start and in about 5-8 minutes the machine will start to make ice. The Time to Clean light will now glow steady until the clean cycle is complete.

⚠ CAUTION Caution: Keep fingers away from moving parts.

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14. After ice making starts, continuously add scale remover solution to the reservoir to keep it about half full.
15. When all remaining solution is used, rotate the float valve lever to the ON position. Ice will continue to be made.
16. After 40 minutes (20 of no ice making and 20 making ice) the ice machine and all the control panel lights will shut off.
17. Rotate float valve lever to Off and pull the drain plug again to drain the system, then replace it.
18. Pour a gallon of hot (95°F. – 115°F.) water into the bin to flush out the drain and melt all ice that was made during the cleaning process. Be sure all ice is melted.
19. Mix another solution of 2.5 ounces of Clear 1 Scale Remover and 1 quart of 90°F/32°C to 110°F/43°C potable water and clean the bin liner of mineral scale by using the scale remover solution to scrub the scale off of the liner.
20. Rinse the liner with hot water.

Sanitize Water System after scale removal to complete the Water System Cleaning process.

1. Create a solution of sanitizer.
2. Mix 4 oz/118ml of NuCalgon IMS and 2.5 gal/9.5L of (90°F/32°C to 110°F/43°C) potable water to create a 200 ppm solution.
3. Rotate the reservoir's water shut off valve to shut the water supply OFF. If water reservoir cover has been placed on reservoir, remove it.
4. Pour the sanitizing solution into the reservoir until it is full to but not over the overflow point (about 8 oz) and wait 2 minutes.
5. Press the On button to turn the ice machine ON.
6. Operate the machine for at least 15 minutes, adding sanitizer to the reservoir as needed to keep it at least half full, and then push and release the Off button to shut it OFF.
7. Remove the ice sweep.
8. Wash the reservoir cover, ice sweep, breaker and the inside of the ice chute with the sanitizer solution.

▲ CAUTION Caution: Do not allow sanitizer to contact the bearing.

9. Return the ice sweep to its normal position.
10. Return the reservoir cover to its normal position.
11. Drain the solution from the system by pulling the drain plug.
12. Return plug when drained.
13. Rinse bin liner with clean water. Be sure all ice has been melted.
14. Use sanitizer mix on all bin surface areas and areas that may contact the ice.
15. Rinse with clean water.
16. Rotate water shut off valve to turn the water supply ON.
17. Push and release the On button to restart ice making.
18. Operate the machine for 15 minutes and then pour water onto the ice in the bin until it has all been melted.
19. Return the top and front panels to their normal positions.

The ice scoop should be washed regularly, wash it just like any other food container

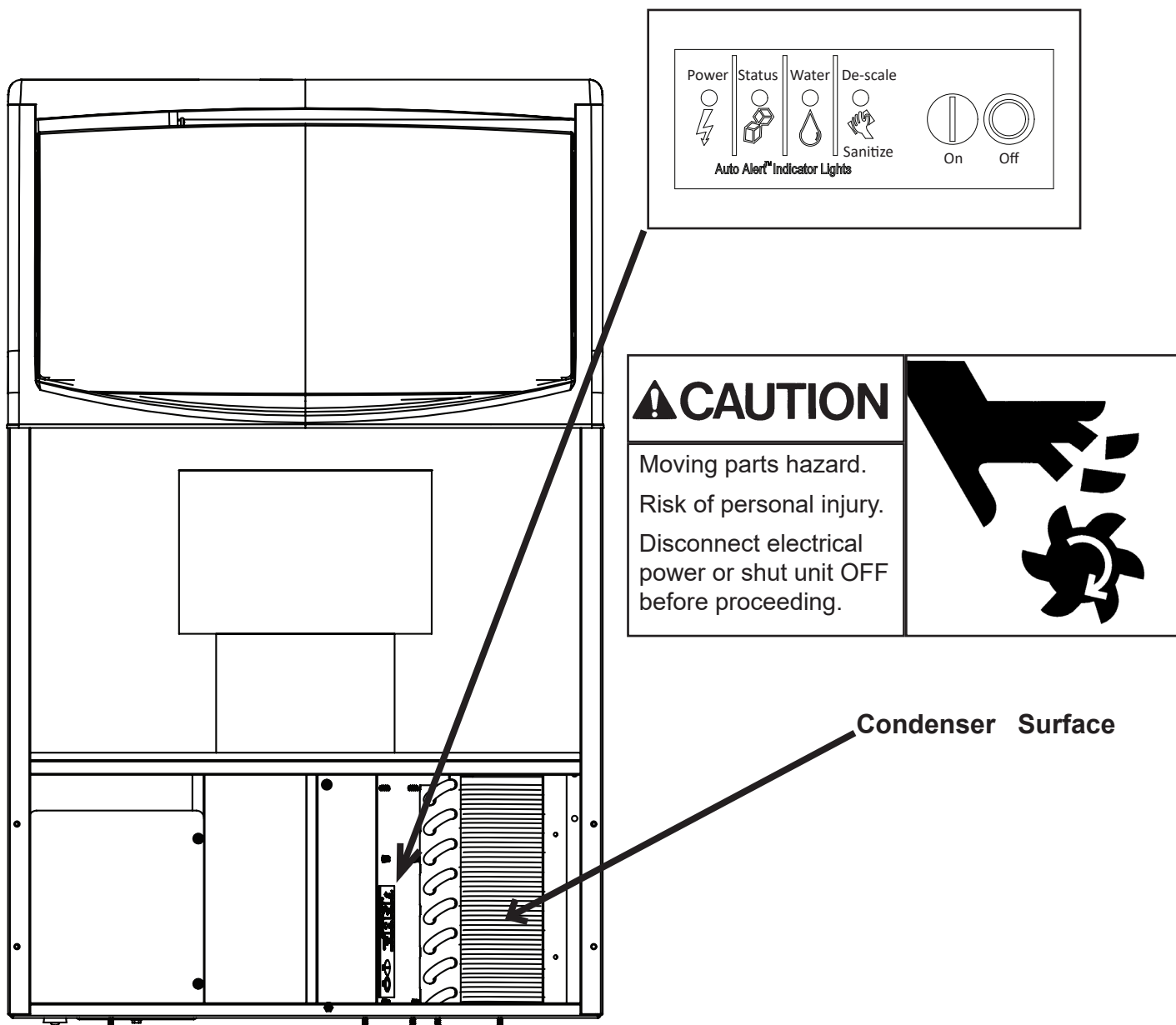
Cleaning the Condenser

1. Remove the front panel.
2. Push and hold the OFF button until the machine stops and / or the Status light is not glowing.
3. Vacuum the surface of the condenser fins, carefully brush off any loose dirt. If grease is embedded use coil cleaner to wash it out.
4. Push and release the On button.
5. Return the front panel to its original position.

Other maintenance

Clean the optical sensors.

1. Mix solution of 4 ounces of Clear 1 Ice Machine Scale Remover and 1.5qt/1.4L of 90°F/32°C to 110°F/43°C water.
2. Remove sensors from inner cover by removing the white c-clip .
3. Use cotton swab and cleaning solution to thoroughly clean photo sensors.
4. Rinse sensors with clean water.
5. Reinstall sensors in inner panel.



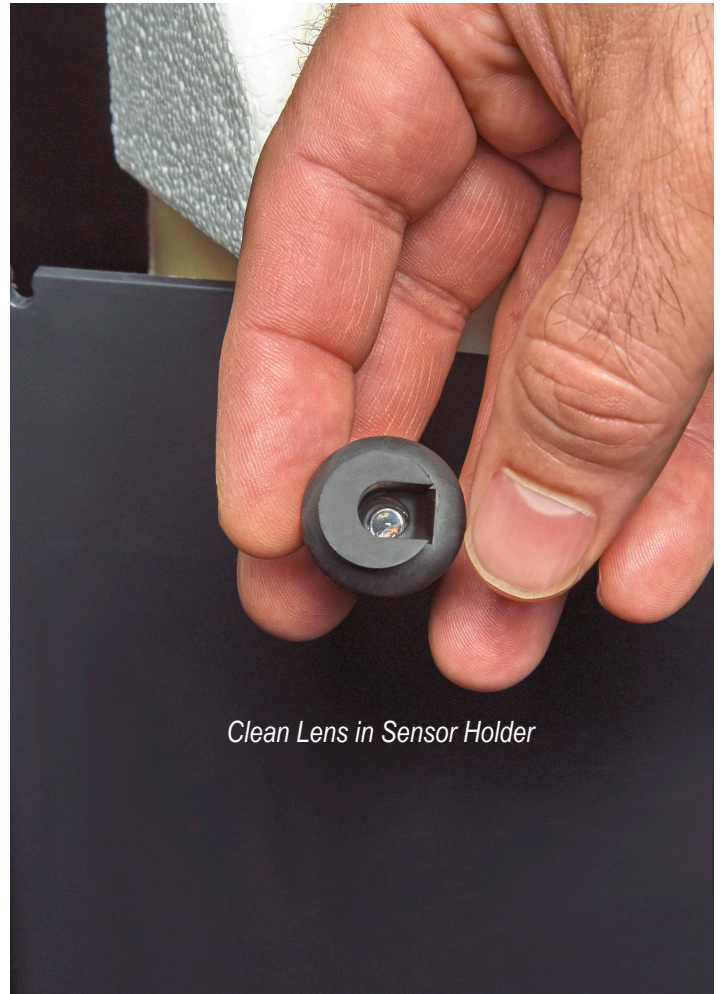
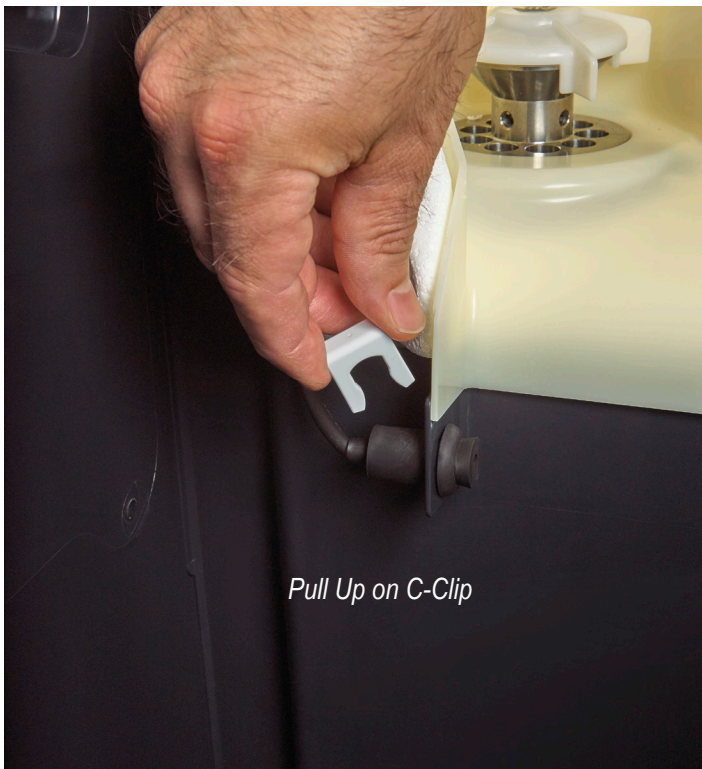
Other maintenance

Clean the optical sensors.

1. Mix solution of 4 ounces of Clear 1 Ice Machine Scale Remover and 1.5qt/1.4L of 90°F/32°C to 110°F/43°C water.
2. Remove chute cover from back of bin.
4. Use cotton swab and cleaning solution to thoroughly clean photo sensor lens



3. Remove sensors from inner cover by removing the white c-clip .



Note: Do not use sharp object to clean lens.

5. Rinse sensors with clean water.
6. Reinstall sensors in inner panel.