



NH0422, NS0422, FS0522, NH0622, NS0622, FS0822, NH0922, NS0922, FS1222, NH1322, NS1322, FS1522  
**B Series Scale Removal and Sanitation for non fixed reservoir**

**Maintenance: Scale Removal and Sanitation**

Note: Following this procedure will reset the de-scale and sanitize light.

**Preparing to Clean:**

1. Remove both the front and right panels.
2. Push and release the OFF button.
3. Remove ice from bin or dispenser.
4. Remove the ice chute cover.
5. Remove the water reservoir cover.
6. Turn the water supply to the float valve off by turning the knob 1/4 turn CCW.
7. Drain the water reservoir and evaporator into a bucket using the vent tube. Return the vent tube to it's original collar bracket.
8. Using a small cup for precise pouring, add hot (100-120°F) water into the reservoir until water comes out of the top of the evaporator at the extruder, about 1qt (varies slightly by model).
9. Let hot water warm evaporator for 2-5 minutes and then drain the system (refer to step 7)
10. Loosen the thumb screw and raise the water reservoir from the "Make Ice" position to the "Clean" position.

 <b>WARNING</b>	<p>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.</p>
	

**Scale Removal:**

11. Prepare a solution of 16oz. Scotsman Clear One scale remover and 16oz. 95-115 °F. potable water.
12. Using a small cup for precise pouring, add the scale remover solution into the reservoir until the solution comes out of top of the evaporator at the extruder, about 1qt (varies slightly by model).
13. Push and release the Clean button: C is displayed and the Time to Clean light blinks. The auger will turn and circulate the scale remover for 30 minutes before shutting off. No ice is made during the cleaning cycle.
14. Lower the water reservoir back to the "Make Ice" position. Drain the water reservoir and evaporator into a bucket using the vent tube.
15. Perform a rinse of the system: turn the water supply to the float valve back on and allow the evaporator to fill. Once full, turn the water supply at the float valve off and drain the system using the vent tube. Return the vent tube to it's original collar bracket.

**Sanitize:**

16. Loosen the thumb screw and raise the water reservoir from the "Make Ice" position to the "Clean" position.
17. Prepare a solution of sanitizer. Mix 4 oz. of Nu-Calgon IMS and 2.5 gallons of 95-115 °F. potable water to create a 200 ppm solution.
18. Using a small cup for precise pouring, add the sanitizer solution into the reservoir until the solution comes out of top of the evaporator at the extruder, about 1qt (varies slightly by model). Reserve any excess sanitizer.
19. Allow the sanitizer to soak while steps 20-24 are completed, or at least 60 seconds.

Continued on next page:

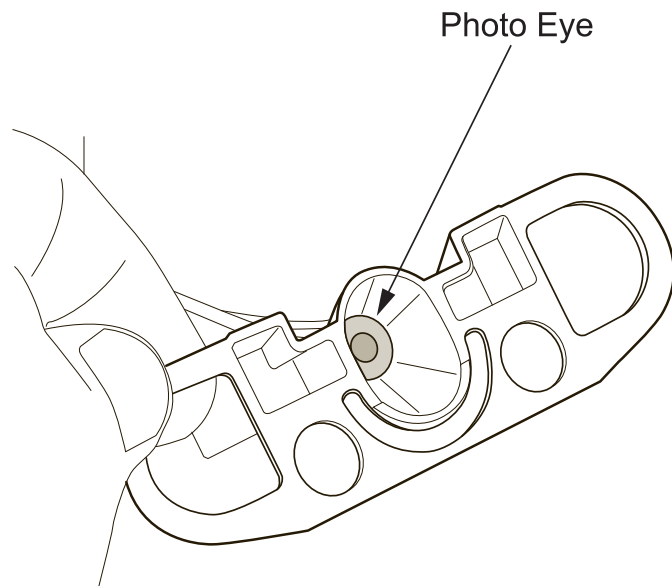
## B Series Scale Removal and Sanitation for non fixed reservoir

### Maintenance: Scale Removal and Sanitation Continued

---

#### Remove Internal Parts for Cleaning:

20. Remove the ice sweep, upper ice chute, lower ice chute, and bin eyes for additional cleaning. The reservoir cover and chute cover were already removed and should also be cleaned.
21. Prepare a solution of 4oz. Scotsman Clear One scale remover and 16oz. 95-115 °F. potable water. Using a nylon brush, scrub each part with scale remover and rinse, excluding the bin eyes.
22. Using the leftover sanitizing solution and a nylon brush, scrub each part, excluding the bin eyes.
23. Gently wipe down the bin eyes with scale remover, rinse, and dry thoroughly (important).
24. Return all parts to their original position.



---

Note: Eye holders must be mounted properly. They snap into a centered position and are properly located when the wires are routed to the back and the left eye is the one with 2 wires at the connector.

---

#### Finish Cleaning Process:

25. Lower the water reservoir back to the "Make Ice" position. Drain the water reservoir and evaporator into a bucket using the vent tube.
26. Perform a rinse of the system: turn the water supply to the float valve back on and allow the evaporator to fill. Once full, turn the water supply at the float valve off and drain the system using the vent tube. Return the vent tube to its original collar bracket.
27. Switch the water supply to the ice machine on and check for leaks as the system fills.
28. Push and release the ON button.
29. Allow the unit to make ice for at least 5 minutes while washing the inside of the ice storage bin with sanitizing solution. Discard or melt all ice made during this step.
30. Return the right and front panels to their original position and secure with the original screws.

#### Change De-Scale Notification Interval:

This feature is accessible only from standby (Status Light Off).

1. Press and hold Clean button for 3 seconds.

This starts the Time to Clean Adjustment State and displays the current time to clean setting.

2. Press the clean button repeatedly to cycle through the 4 possible settings:

0 (disabled), 4 months, 6 months (default), 1 year

3. Push Off to confirm the selection.