

# UC2024 and UC2724 User Manual

## Maintenance and Cleaning


Frequency: Cleaning is recommended about twice a year. The ice machine will not maintain a sanitary condition without human intervention.

Prep: Obtain food grade scale remover such as Scotsman Clear 1. You will also need a clean container, sanitizer, clean cloths and clean rubber gloves. Use of a spray bottle is recommended for ease of washing hard to reach areas.

Note: The ice machine must be connected to water, power and drain during this procedure.

1. Remove the front panel and move the on/off/wash switch to Off.
2. Remove the ice from the ice storage bin.
3. Drain the sump water into the container by removing the plug from the drain hose. The drain hose is under the control box area. Return the plug to the drain hose.



<b>CAUTION</b>	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.

4. Put the rubber gloves on.
5. Mix a solution of scale remover and potable water.

Mix a solution of 5 oz or 150 cc of Scotsman Clear 1 Scale Remover and 2.5 quarts or 2.4 liters of clean, warm (95°F/35°C to 115°F/46°C) potable water.

6. Remove the spray bar by unsnapping it from the left and right ends.
7. Remove the ice level control plate by unsnapping it.
8. Place both into the scale remover. Wash them with the clean cloths.
9. Install both the spray bar and ice level control plate back onto the ice machine.
10. Pour the scale remover into the machine's sump.
11. Put the machine into a wash mode. Operate it that way for 20 minutes.
12. Stop the wash mode.



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13. Drain the scale remover solution by removing the plug from the drain hose. Return the plug to the drain hose.
14. Check that the scale has cleared from the spray bar. Remove spray bar if needed to clear any scale, be sure it is returned to its original position.
15. Mix a second solution of scale remover and lukewarm potable water.
16. Wash the interior of the ice storage bin with the scale remover solution.
17. Pour any remaining scale remover solution into the bin. Be sure it drains away.
18. Mix a solution of sanitizer and lukewarm potable water: 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.
19. Pour half of the solution into the sump.
20. Switch the control into a wash mode. Operate it that way for 10 minutes and then switch it to off.
21. Drain the sump by removing the drain plug from the drain hose. Return the drain plug to the drain hose.
22. Wash all interior surfaces of the ice storage bin, including bin door, with the remaining sanitizer solution.
23. Pour a gallon of hot potable water into the bin to clean out the drain.
24. Switch the control to ice making and return the front panel to the unit.

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## Condensers and Air Filter Cleaning

### Filters and Air Cooled Condenser


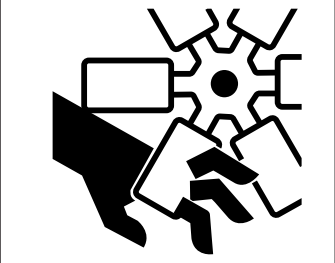
The air filter located on the lower front grill will capture airborne dust during operation. As the dirt builds up, it begins to restrict air flow and causes the refrigeration system to work less efficiently. Clean the air filter regularly.

Remove the filter by sliding it to the right until it is clear of the ice machine.

Note: It is a snap fit and the snaps may be very tight. Pull hard with two thumbs.

Remove dust and dirt by washing the filter in a utility sink.

Reinstall filter in the ice machine.

	<b>CAUTION</b>	<b>Rotating fan blade can cause personal injury.</b>
		
Unplug unit from power supply before beginning to clean condenser		

### Condenser

The condenser fins require semi annual cleaning. Use caution to prevent damage to the condenser fins.

Lightly brush dust from the condenser.

Use a vacuum to thoroughly clean the condenser.

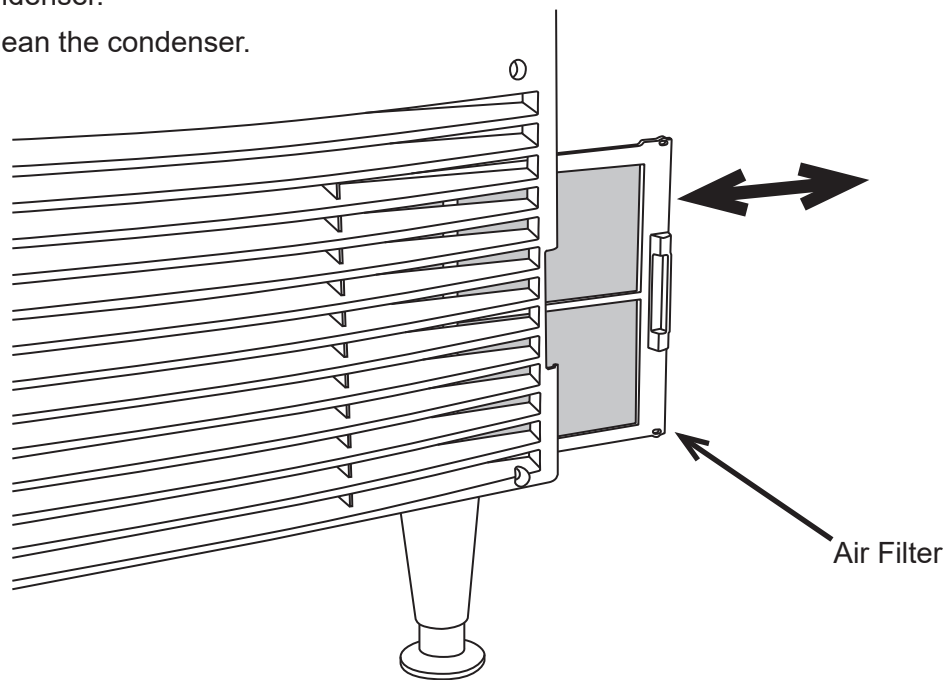
Water cooled equipment may be connected to a closed loop recirculating system or to a regular water supply. See the pressure limits on page 2.

The included water regulating valve will vary the amount of water or coolant needed to maintain a constant discharge pressure. Higher coolant temperatures will result in increased coolant flow to maintain the discharge pressure set point.

That pressure is factory set to 135 PSIG. If needed, it may be field adjusted to that set point. An access port to the adjustment stem is available on the lower back panel.

In areas with highly mineralized water, the inside of the condenser may become coated with scale. When that occurs the amount of water used by the condenser will increase, as the water regulating valve opens further to keep the discharge pressure at the set point.

Scale on the inside of the condenser may be cleaned by circulating an acid solution with an auxiliary pump.



*Remove and Clean the Air Filter*