

ICE MACHINE DISINFECTION

- Reduce bacteria growth
- Disinfect air and water
- Reduces ice machine maintenance visits
- Fits any size machine
- Fast and simple installation
- Programmable for varying situations
- Treats both the water and the bin
- Automated service timer

Description

Oxidice is an energy-efficient disinfection system that treats the ice machine's incoming water supply. It reduces the growth of bacteria, molds, yeast and other contaminants by disinfecting the air, water, and surfaces within the machine. Oxidice provides a natural sanitizer that extends the time between maintenance and cleaning, while creating a positive customer experience.

Packaging

1 each **CD385A**

Specifications

- **Ozone Output**
150 mg/hr @ 2.0 SCFH (56.6 L/h) on ambient air
- **Outlet**
3/16" (4.76 mm) barb
- **Ambient Requirements**
32° - 95°F; (0° - 35°C) 10 - 75% RH non-condensing
- **Dimensions**
5.59" H x 10.0" W x 3.6" D
(14.2 cm x 25.4 cm x 9.14 cm)
- **Air Flow**
0.5-2.0 SCFH (14-56.6 L/h), back pressure 2 PSI (13.8 kpa) max
- **Power**
90-265VAC, 50-60Hz, 0.38-0.17A
- **Power Connection**
6' (1.8 m) grounded power cord
- **Mounting**
Z-bar

Ice Machine Maintenance

Oxidice™ Ice Machine Disinfection



Installation Procedures

Clean Ice Maker

Clean your ice maker according to industry standards. The Oxidice system is designed to keep a clean ice maker from becoming dirty. It will treat a dirty ice maker, but it may still appear dirty.

Unpacking

Make sure all components are in the box before the installation process. The following parts are included:

- Oxidice system
- Z-bar mount
- 10 ft (3 m) tube
- Power cord
- Diffuser
- Check valve
- Rubber grommet
- Manual

Find a Mounting Location

Find a flat portion of a wall close to the ice maker. The system may also be placed on a flat, level surface. Consider the following when selecting a mounting location:

1. Never install the system in an area where water may freeze. Freezing water will damage the internal components.
2. Mount horizontally. Do not mount vertically or at an angle. Always use a level when installing this unit.
3. The system should be close enough to a power outlet, so an extension cord is not necessary.
4. Mount the system no further than 10 ft (3 m) from the point of use and above the entry point of the ozone line into the ice maker.

Mounting the System

1. Use the appropriate tools and mounting hardware (not provided) for the material the wall is constructed from and install the z-bar. Use a level to make sure it is horizontal.
2. Place the system onto the z-bar.
3. Plug the supplied power cord (found in the parts bag) into the Oxidice.
4. Plug the power cord into a GFCI protected outlet.

Operating Instructions

- Once installed, the Oxidice system is ready to use. Press the Mode Select button to cycle through different flow profiles.
- The unit's LED indicator light stays illuminated when the ozone flows into the system and will pulse when the system is in standby mode waiting for the next ozone cycle. When the integrated timer triggers, the system will automatically turn on the internal pump.
- If there is power loss, the Oxidice system will remember what profile it was set at and resume function when it receives power again. If the system is turned off in the middle of producing ozone or once a cycle completes, the system will leave the pump and fan on for approximately 10 seconds to purge ozone from the system and cool down the ozone generator.

LED Indicators

The Oxidice system can be used with most ice makers. The ozone production time can be increased or decreased based on the ice maker's production rate in a 24-hour time period and the environment in which the ice maker is located.

Use the chart below to choose the appropriate profile based upon your ice maker's 24-hour ice yield and the conditions of your facility. NOTE: Each mode has a distinct color, and the light will also blink the corresponding mode number.

Mode Selection

LIGHT COLOR	NUMBER OF BLINKS	24 HOUR ICE YIELD, NORMAL ENVIRONMENT	24 HOUR ICE YIELD, EXTREME ENVIRONMENT*	AIR FLOW (SCFH)	REPEATING RUN TIME (MINUTES)
Off		Off			
Yellow	1	< 400 lbs 182 kgs	NA	0.5 14 L/h	10n/ 9 Off
Green	2	400-600 lbs 182-273 kgs	< 400 lbs < 182 kgs	1.0 28.3 L/h	2 0n/ 8 Off
Blue	3	600-1000 lbs 273-455 kgs	400-600 lbs 182-273 kgs	1.5 42. L/h	4 0n/ 6 Off
Purple	4	< 1000+ lbs 455+ kgs	< 600+ lbs < 273+ kgs	2.0 56.6 L/h	7 0n/ 3 Off
Red		Service Required			

*Examples of extreme environments include bakery operations, bars, taverns and microbreweries.

Installation Instructions

Before making any modifications to your ice machine, make sure to read and understand the ice machine manufacturer's warranty statement.

1. Must use a Pentair installer or a certified installer familiar with the ice machine manufacture.
2. Remove the panel to be drilled. Do not select a panel that is double-paned, insulated or coated.
3. Drill a 9/16" hole in the panel. Position the hole above the water level in the sump and where it would be most advantageous so the tubing run is as short as possible.
4. Ensure no sharp edges remain after the drilling process.
5. Once drilling is complete, look at the entire ice machine and make sure none of the panels were accidentally scratched or damaged during this installation process. If there is any damage to a coated surface, use an NSF-compliant touchup paint to repair the damaged areas.
6. Once the paint dries, install the included grommet.
7. Replace the panel.
8. Run the Oxidice delivery tube through the grommet into the ice machine.
9. Install the stainless steel diffuser into the end of the tube on the inside of the ice machine.
10. Position the tubing so the stainless steel diffuser can be placed in the water reservoir of the ice machine. DO NOT place the tubing in the way of moving parts. DO NOT place the tubing in the ice drop zone. DO NOT place the tubing through the ice bin.

Note: Remove the tubing and stainless steel diffuser from the water reservoir of the ice machine before cleaning the ice machine using the CIP instructions provided by the ice machine manufacturer. Once the ice machine is clean, use the CIP instructions for the Oxidice diffuser and tubing located in this manual to clean the diffuser and tubing before placing them back into the water reservoir.