

QUICK GUIDE TO STARTING AND STOPPING A NORTH STAR ICE MAKER

Normal Procedure to Start a North Star Ice Maker

1. Put the overflow standpipe in the water tank and open the water line stop valve to fill the water tank. Add salt to the salt feeder tank if necessary.
2. Press the JOG pushbutton until the rotor makes one revolution to check that the rotor turns freely, water rings are not obstructed, and that the ice maker is generally ready for operation.
3. Make sure the water pump is off or the water flow control valve is closed. Start the ice maker and observe. Turn the compressor on if it is not already operational. Observe the freezing surface until the freezing surface is frosted at least halfway up from the bottom and then turn the water pump on or open the valve. Check the ice removal and adjust the salt feeder valve if necessary.
4. On halocarbon refrigerant ice makers check the flow through the oil return line sight glass. No visible flow usually indicates that the strainer in the oil return line needs cleaning.

Stopping the Ice Maker for a Short Period of Time (Less Than a Few Days)

1. The ice maker should be manually stopped by pressing the STOP pushbutton.
2. After the ice maker stops, the valve in the water supply line to the water tank should be closed to prevent water seeping into the ice maker water receiving pan at the bottom of the freezing surface and freezing in it during the off period.
3. It is recommended to pull the overflow standpipe from the water tank and drain it. This drains away any mineral concentrate that has built up in the water tank during operation.
4. If the ice maker is located in a room with a temperature of 65°F (18°C) or higher, it is recommended that the evaporator pressure be maintained

at a pressure lower than 125 psi (8.64 bar). This can be done by turning the water pump off and leaving the refrigeration system operating. The low pressure cutout switch on the compressor can be adjusted to minimize short cycling while still maintaining the evaporator pressure below 125 psi (8.6 bar). The ice maker is rated to a maximum allowable working pressure of 150 psi (10.34 bar)

5. For ice makers with carbon steel freezing surfaces, please refer to the Ice Maker Installation & Operation manual.

Stopping the Ice Maker for a Long Period of Time (More than a few days)

1. Press the STOP pushbutton to manually turn off the ice maker.
2. After the ice maker stops, the valve in the water supply line to the water tank should be closed to prevent water seeping into the ice maker water receiving pan at the bottom of the freezing surface and freezing in it during the off period.
3. Pull the overflow standpipe from the water tank and drain it. This drains away any mineral concentrate that has built up in the water tank during operation.
4. Drain and clean out the salt feeder tank.
5. Pump the refrigerant out of the ice maker.
6. For ice makers with carbon steel freezing surfaces, please refer to the Ice Maker Installation & Operation manual.

If you do not have an Ice Maker Installation and Operation manual, you can request an electronic copy. Please include the ice maker(s) serial number with your request.

If you have any questions, or would like more information on any of our products, please feel free to call us at: Toll-Free: 800-321-1381 / Phone: 206-763-7300 or email us at: info@northstarice.com