



ISOTHERM CLEAR ICE MAKER 'QUICK START' GUIDE

The Isotherm Clear Ice Maker is a compact, spray-type, ice maker that will produce up to 40 pounds of crystal-clear ice per day. The Isotherm Clear Ice Maker is designed to work in a boating environment where other clear ice makers will not.

The ice produced is a barrel-shaped, crystal-clear ice that is very dense and slow-melting. Clear ice does not have air trapped in it like conventional white, crescent-shaped ice. 'White ice' releases freezer air in drinks as it melts and changes the flavor of drinks. The Isotherm Clear Ice does not change the flavor of drinks, so whether you're drinking water, sodas, or cocktails, you'll get only the flavor of the drink.



The Isotherm Clear Ice is stored in an insulated bin. The ice is always a "loose ice" meaning it never freezes into a clump like conventional 'white ice' makers. Because it is not stored in a freezer environment, the ice is always ready to be scooped out and is always slowly melting. Because of this, a drain hose must be connected and directed down to assure proper drainage.

Ventilation is a key consideration when installing the Isotherm Clear Ice Maker. Air is pulled in through the front and vented in the back. Allow a path for air to leave any cabinet into which the ice maker will be installed. Without good ventilation, temperatures will rise in the cabinet and restrict proper production of ice.

CONNECTING THE WATER SUPPLY AND DRAIN

Water connections are in the back. The boat's pressurized main water supply will be connected to the white, garden-hose style connector. This connection has a solenoid which opens when the ice maker enters the 'defrost' cycle. A blue hose with the proper fitting is included.

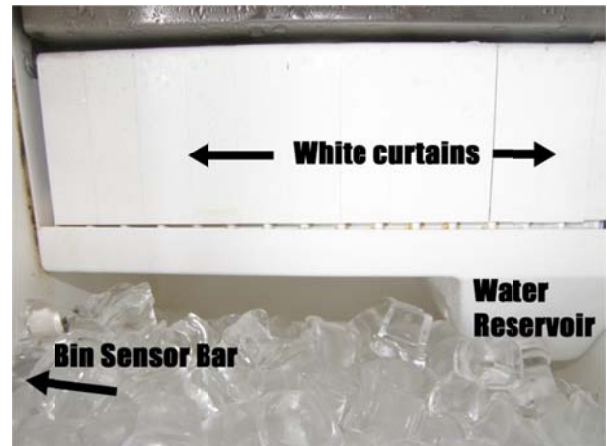
The barbed brass fitting is a specialty fitting for on-demand, pump supplied water from an auxiliary water supply. Do not use this connector or water will run unabated through the machine unless it is used with the proper auxiliary water supply. See the manual for more information.



A drain hose (supplied with the unit) is connected to the water drain fitting. Since the ice is held in an insulated bin and not a freezer environment, it will always be slowly melting. The drain hose must be positioned to flow down for proper drainage.

HOW THE ISOTHERM CLEAR ICE MAKER WORKS

Understanding how the Isotherm Clear Ice Maker works will help it operate at peak performance. Once the unit is properly installed with water and power supply, the ice maker must be primed with water. Since the unit is designed to work in the rigorous marine environment, it has a deep water reservoir which keeps water from spilling out in rough conditions. The reservoir holds approximately 1 gallon of water.



Before starting the unit for the first time and after an extensive period of time without being used when water may have evaporated, lift the white curtains inside the bin and pour water into the area behind the curtains. This will replenish the water in the reservoir.

When the ice maker is working, you will hear the sound of spraying water and the compressor fan blowing air. The water from the reservoir will be pumped through the spray bar and into the stainless steel ice-forming evaporator which looks like an upside-down mini cupcake pan. This process will continue for approximately 14 minutes as the ice builds up into a full, barrel-shaped clear ice.

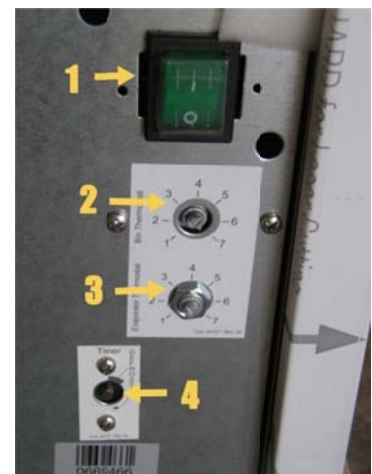
The ice maker will then enter into a 'defrost' period where the solenoid in the water supply connection will open allowing water to run up a stainless steel resupply pipe and wash over the top of the stainless steel evaporator. This releases the ice which slides down an inclined ramp, through the curtains, and into the ice bin.

This process will continue until ice fills the bin (approximately 4 hours) with 9 pounds of crystal-clear ice. When the ice fills the bin and covers the sensor bar mounted on the left side of the bin, the ice maker will stop completely. No water will spray and the compressor will not run until ice is scooped out or melts sufficiently to uncover the sensor bar.

CONTROLS AND SETTINGS

The icemaker comes from the factory with settings that will work well for most conditions. The user will only need to prime the water and push the start button (1). The bin thermostat setting (2) regulates the sensitivity of the sensor bar and the evaporator thermostat (3) regulates the coldness of the evaporator. These should not need adjustment.

The timer (4) will rotate as the unit goes through its cycles and will not need any adjustment. It can be rotated to the defrost zone as an alternate way to replenish the water supply in the reservoir.



MAINTENANCE

The Isotherm Clear Ice Maker, when correctly installed, will require minimum maintenance. When necessary, the interior can be cleaned with mild dishwashing liquid and water. A hose can be used to rinse out the reservoir and ice-forming area. Excess water will run out the bin drain.

The drain for water to flow out of the bin is just below the reservoir. This should be clear of debris that might clog the drain or the drain hose. Water backing up into the bin will cause the ice to melt faster and can be corrected by clearing the drain and making sure the drain hose is clear and not kinked or running above the drain outlet fitting.

There is a strainer just inside the main water connection in the solenoid assembly. If this gets clogged from debris from the boat's water supply, it can be disassembled and cleaned.

THE ISOTHERM CLEAR ICE MAKER: A "YACHTSMAN'S" ICE MAKER

The Isotherm Clear Ice Maker makes the highest quality ice available. With proper installation and use, it will produce plentiful ice for drinks, coolers or to share with fellow boaters. For further installation, operating, and troubleshooting detail, please read manual included with each ice maker.

Enjoy!

