



# INSTALLATION MANUAL

## CONTINUOUS FLOW ICEMAKERS SERIES 500, 700, 1000, AND 2000

This manual covers unpacking and inspection, selecting location, installing unit, and preparing for operation.

### REMOVE ICEMAKER FROM CARTON

1. Keep unit in the upright position, remove carton and pallet from unit and inspect unit for damage. *Upon inspection of unit, if any damage is found, file a claim with carrier immediately.*

### CABINET REMOVAL

1. **Front Panel**—Remove 4 screws and pull forward.
2. **Top Panel**—Remove screws and lift upward. 4 screws 500/700, 6 screws 1000.
3. **Side Panel**—Remove 4 screws and pull forward.
4. **Back Panel**—Should not be removed.

### PREPARATION OF INSTALLATION SITE

1. The refrigeration system on air cooled units requires airflow, so a well ventilated area should be chosen. A minimum of 6 inches must be maintained, free of any obstructions, for air intake. A minimum of 4 inches clearance is required for air exhaust.
2. The unit can be installed either on an ice storage bin or ice dispenser using the proper adapter kits. (Refer to sales literature for information.) The install is kit provided with each icemaker and adapter kits will supply everything to locate unit correctly. In all cases the icemaker should be sealed all around the base with an NSF listed sealant. (63804815B)

### WATER INLET HOOK UP

1. **Water Inlet**—fitting is a 1/4 SAE male flare located at the rear of the unit. Connect water supply with a 1/4 SAE flare nut and 1/4" copper or flexible tubing or larger.
2. **Water Pressure**—Unless otherwise specified, the unit is designed to operate on water pressures between 10 P.S.I. and 90 P.S.I. (NOTE: for pressures above 90 P.S.I. a regulator must be installed.)
3. **Condenser Inlet Connections**—Use a separate 3/8" copper line or larger water line. Connect to 3/8 FPT fitting on water modulating valve.
4. Filter/Conditioners are recommended on supply lines to icemakers. Never run the water supply to water cooled condenser through filter/conditioner, it uses up the cartridge unnecessarily and a saturated cartridge can starve the icemaker causing premature component damage. Separate water supplies are recommended.

**NOTE: Unit must be installed per local plumbing code BOCA.**

### DRAIN CONNECTION

1. **Overflow Line**—is a 3/8" I.D. flexible tube located at the rear of the unit. Extend this line to proper drain.
2. **Condenser Outlet**—is a 3/8" FPT located on the rear panel.

**NOTE: Unit must be installed per local plumbing code. BOCA.**

### ELECTRICAL SUPPLY

1. **Power Access**—is provided with a 7/8" diameter. knockout hole in the rear panel. Route incoming power in conduit, through rear panel to icemaker electrical control box. Make connections to wires provided in the control box and ground lug/screw.
2. **Fused Line**—should be checked and sized according to electrical rating shown on unit nameplate.

## AUGER ENGAGEMENT

Be certain that auger is fully engaged to lower drive and extruding head is fully engaged into evaporator.

## INITIAL START UP, CHECKS AND ADJUSTMENT INSTRUCTIONS

**NOTE:** Do not start unit before completing installation steps on the previous page.

Turn on water supply (if unit is water cooled turn water on to condenser also) turn on main power switch (located on top of electrical box), and make the following system checks:

**NOTE:** If unit will not start be sure water reservoir is full. Low water safety control must be properly adjusted to start and shut down unit. If water level drops below bottom of reservoir, unit must shut down. Adjustment is made by moving magnet up or down.

**Water Level**—If necessary adjust float by bending float arm up or down as needed, push float assembly down until unit stops running. Release float and unit will restart. Keep water in reservoir at level line while unit is in operation.

**Low Water Safety Control**—Adjust magnet by bending magnet arm as needed to shut unit down if water level drops below bottom of reservoir.

**Bin Control**—Place ice around probe, unit should shut down in one minute. Remove ice from around probe, unit should start in two minutes.

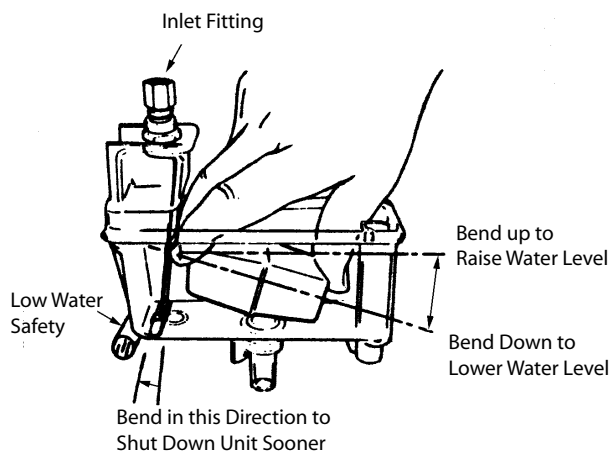


FIGURE 1. ICEMAKER FLOAT ASSEMBLY

**Water modulating valve (water cooled units only)**—Opening point of condenser water modulating valve should be set to maintain proper operating pressure in the refrigeration system high side. Closing point of valve should be set low enough to close valve during compressor stand by periods. To raise, turn counterclockwise, to lower turn clockwise.

**NOTE:** If any of these checks or adjustments cannot be achieved, refer to Service Manual or call for factory assistance at 1-800-238-3600.

### For WCC2001QT-R Only:

1. The WCC2001QT-R is equipped with a compressor start delay. The auger motors will run before compressor start for approximately two minutes. This is to clear out the evaporators and is normal.
2. The WCC2001QT-R is equipped with an auger motor run delay. The auger motors will run after compressor shut down for approximately two minutes. This is to clear out the evaporators and is normal.