

## CHILL ICE-1000 (P/N 9700920), ICE-1800 (P/N 9700921), ICE-H (P/N 9700922) INSTALLATION INSTRUCTIONS

### SUGGESTED MATERIALS AND EQUIPMENT NEEDED:

- (10 ft.) 3/4" PVC Pipe
- (5) 3/4" PVC Elbow Fitting
- (1) 3/4" PVC Tee Fitting
- (10 ft.) Copper Tubing
  - ICE-1000, ICE-1800: 3/8" OD
  - ICE-H: 1/2" OD
- (2) Brass Tubing Unions
  - ICE-1000, ICE-1800: 3/8" OD
  - ICE-H: 1/2" OD
- Multipurpose glue for ABS, PVC, and CPVC
- Tubing Cutter
- PVC Pipe Cutter
- Screwdriver or Drill with Bits
- Channel-Lock Pliers
- Adjustable Wrench
- Measuring Tape

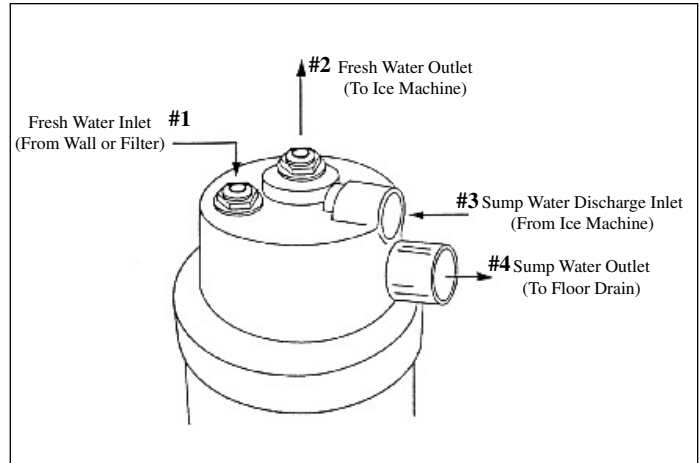


Figure 1. Connections

### General

If you experience any problems with these instructions, contact the Technical Service Department at 630-784-1000 or toll free in the U.S. at 877-392-7854.

### Warranty Information

All ICE-1000, ICE-1800, and ICE-H units will be free from defects in materials and workmanship for a period of three years.

### Connections

#### FRESH WATER CONNECTIONS

Chill ICE units use Super Speedfit® tubing fittings for fresh water line connections that require no tools. Tubing (copper or plastic) is simply inserted into the fitting collet to create a secure connection.

The tubing should be inserted approximately 3/4" (1.91 cm) until it bottoms completely in the fitting to ensure there will be no leaks. The tubing end to be inserted should be straight and have a clean round cut. If the tubing is out-of-round, then carefully make a new cut before inserting into the fitting.

#### SUMP WATER CONNECTIONS

Chill ICE units require the use of 3/4" (1.91 cm) PVC pipe for the sump water connections. It is important to glue all connections with the multipurpose glue. Follow the specific installation procedures to make certain there will not be a vacuum block or any reduction in water flow to the floor drain.

### Installation

To ensure material compatibility, a multipurpose glue for ABS, PVC, and CPVC must be used. This will ensure a proper bond between the 3/4" PVC and the black ABS Sump Water Discharge Inlet.

1. Turn off the ice machine and water supply valve.
2. Install the Chill ICE unit behind or to the side of the ice machine bin at least 6 inches (15 cm) beneath the height of the machine's Sump Water Discharge Outlet (Figure 3).

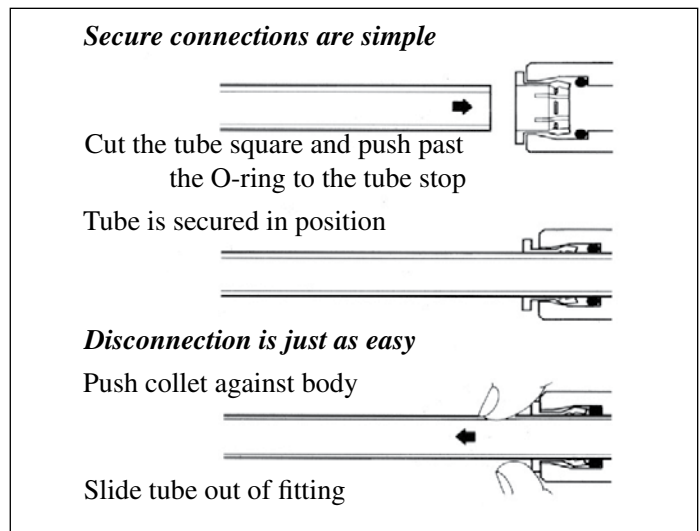


Figure 2. Secure Connections

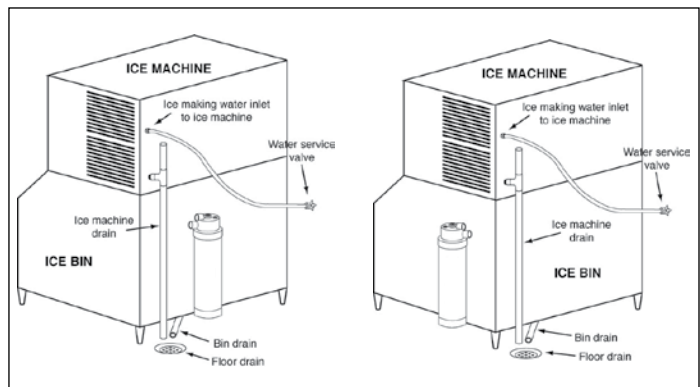


Figure 3. Installation of Chill ICE

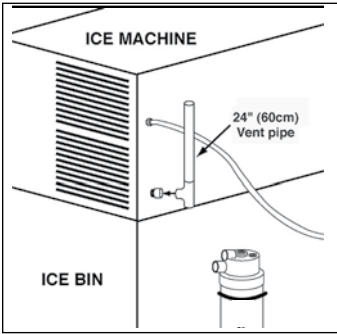


Figure 4

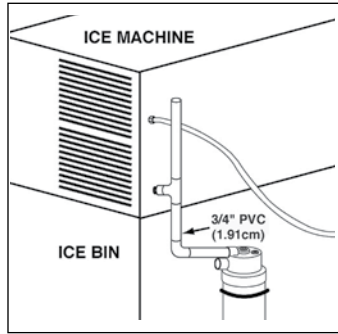


Figure 5.

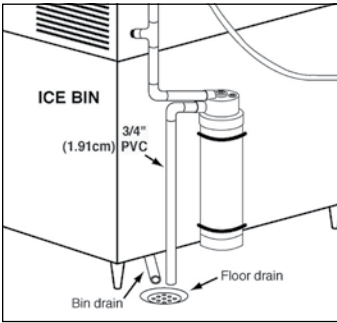


Figure 6.

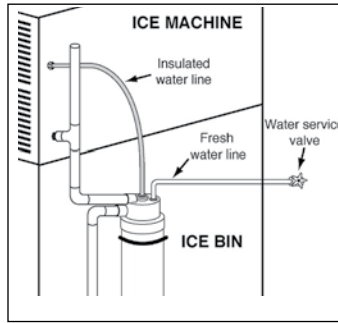


Figure 7.

**NOTE: Do NOT mounting the Chill ICE unit above the ice machine's sump water discharge outlet.**

- Use the included mounting straps to secure the Chill ICE unit to either the ice bin or to the wall. Otherwise, place the unit on the floor.

**NOTE: Health codes in some areas require the Chill ICE to be at least 6 inches (15 cm) off the floor.**

- Use a T connector to install a vent pipe, or vacuum breaker, at least 24 inches (60 cm) in length as close as possible to the sump drain exiting the ice machine (Figure 4)

**NOTE; The Chill ICE will NOT function properly without a vent pipe.**

- Attach a PVC line from the vent pipe at the ice machine drain outlet to the Sump Water Discharge Inlet on the Chill ICE (connection #3). Be sure to plumb a vertical line down from the ice machine drain and THEN a horizontal line to the Chill ICE (Figure 5).

**NOTE: Water will overflow into the ice bin if the line is installed horizontally after existing the ice machine.**

- Connect a PVC line to the Sump Water Outlet on the Chill ICE (connection #4) using a 90° fitting. Be sure to plumb a vertical line down THEN a horizontal line to the floor drain (Figure 6).

**NOTE: Drain water will not flow properly if the line exiting the Chill ICE is horizontal.**

- Carefully cut the existing fresh water line from the wall or after the water filter. Leave enough tubing to reach from the back of the ice machine to the top of the Chill ICE unit.

- Insert insulated tubing into the Fresh Water Outlet on the Chill ICE unit (connection #2).

**NOTE: If you are unfamiliar with Speedfit® connectors, review the Connections section on page 1.**

- Insert the tubing containing the fresh water source into the Fresh Water Inlet on the Chill ICE (connection #1). If additional tubing is needed between the Chill ICE and the wall outlet or water filter, be sure to connect the tubing with a compression union (Figure 7).
- Turn on the fresh water valve and check all connections for leaks. If you encounter any leaks, refer to the Troubleshooting guide.
- Check the water supply to the sump inside the ice machine by depressing the float valve or by activating the solenoid water valve.
- Check the PVC drain lines for leaks by pouring water through the vent pipe until it is seen exiting the Chill ICE unit into the floor drain.
- Turn on the ice machine. If you encounter any leaks, refer to the Troubleshooting guide.

## Troubleshooting Guide

**ISSUE: The water lines are leaking at the Speedfit® fittings.**

The tubing inserted in the fitting is not pushed in all the way or the tubing end is out-of-round. Turn the water source off to relieve line pressure, then remove tubing from the fitting (see Connections section).

Inspect the end of the tubing to make certain there is a clean square cut and the tubing is perfectly round. The tubing should also be straight so it can be inserted completely (about 3/4" or 1.91 cm). Reinsert the tubing into the fitting and press in firmly until the tubing "bottoms" securely. Turn the water valve on and check again for leaks.

**ISSUE: When the ice machine is turned on, there isn't any water entering the sump to make ice.**

Sometimes when the existing fresh water lines are cut and bent to be inserted into the Chill ICE, some particulate matter can be broken loose and cause the water supply within the ice machine to become clogged. Turn the water source valve off. Inspect all needle valves, filter screens, and any other water supply valves inside the machine. Remove any debris found, then turn the water source on and depress the float switch in the sump to make certain the restriction was removed.

**ISSUE: When the ice machine is running, there is water overflowing out of the top of the vent pipe and the Chill ICE seems to be clogged.**

Either extend the height of the vent pipe if space permits or use a larger diameter of PVC pipe in the existing space. Both will allow for a greater volume of water to rise in the vent pipe to overcome the air lock in the drain system.