

IceZone[®] X Installation Instructions for Hoshizaki DCM-270 Ice and Water Dispensers



This module will show the steps to install IceZone[®] X on Hoshizaki[®] DCM-270 Ice and Water Dispensers. Please review the entire instructions prior to installation.

Caution: Installation should be done by a qualified technician using appropriate safety equipment and procedures.

Follow the manufacturers guidelines for cleaning the ice and water dispenser thoroughly.



Before Installing IceZone[®] X, clean and sanitize the interior of the ice and water dispenser thoroughly according to the manufacturer's guidelines. All surfaces should be free of slime and scale before starting the installation.

Recommended Tools

Hand Drill

Phillips Bit Driver

1/8" Drill Bit

1/2" Drill Bit

1 1/8" Step Drill Bit

1/4" Nut Driver

Phillips Screwdriver

Safety Goggles

Hose Cutter or Utility Knife

Channel Lock Pliers

Marker to mark hole locations

File or de-burring tool to de-burr holes



Installation Overview

This is a Hoshizaki[®] DCM-270 Model Ice and Water Dispenser with IceZone[®] X installed.



Preparing the DCM-270

Switch the power to the dispenser to “off” and unplug from the power source.

Remove the exterior covers to access the interior of the dispenser.

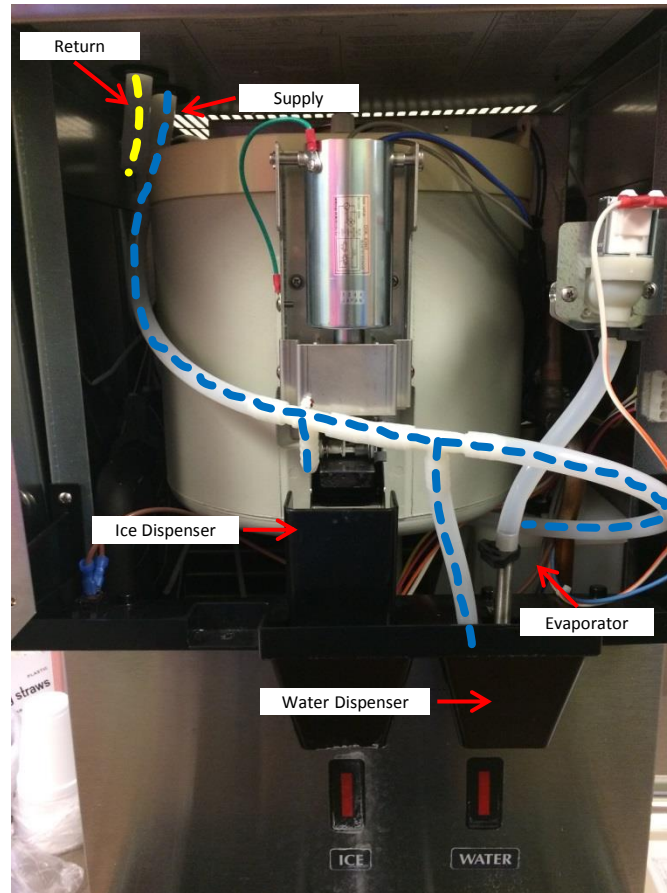
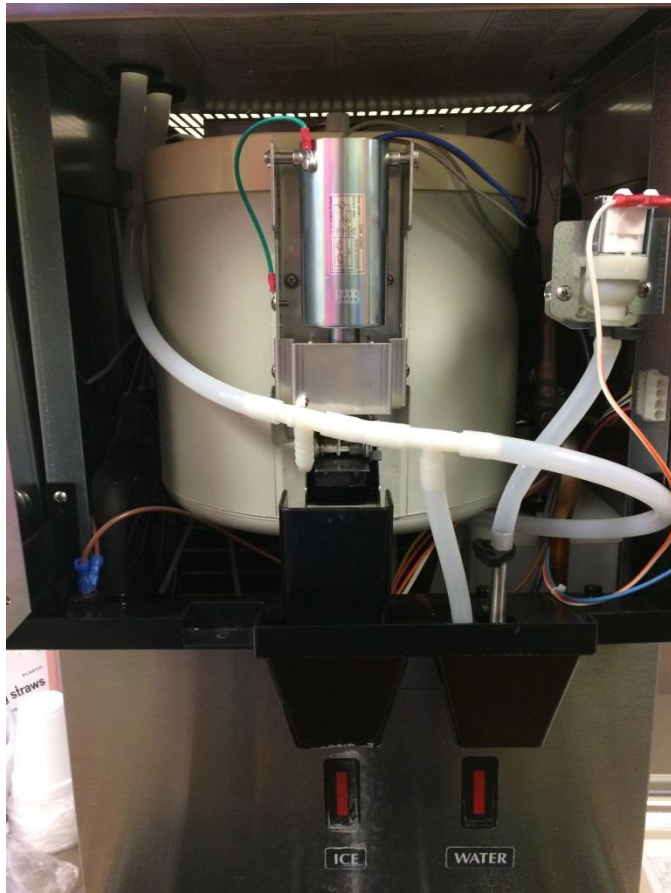


Preparing the DCM-270

Remove the exterior covers to access the interior of the dispenser.



Installation Overview

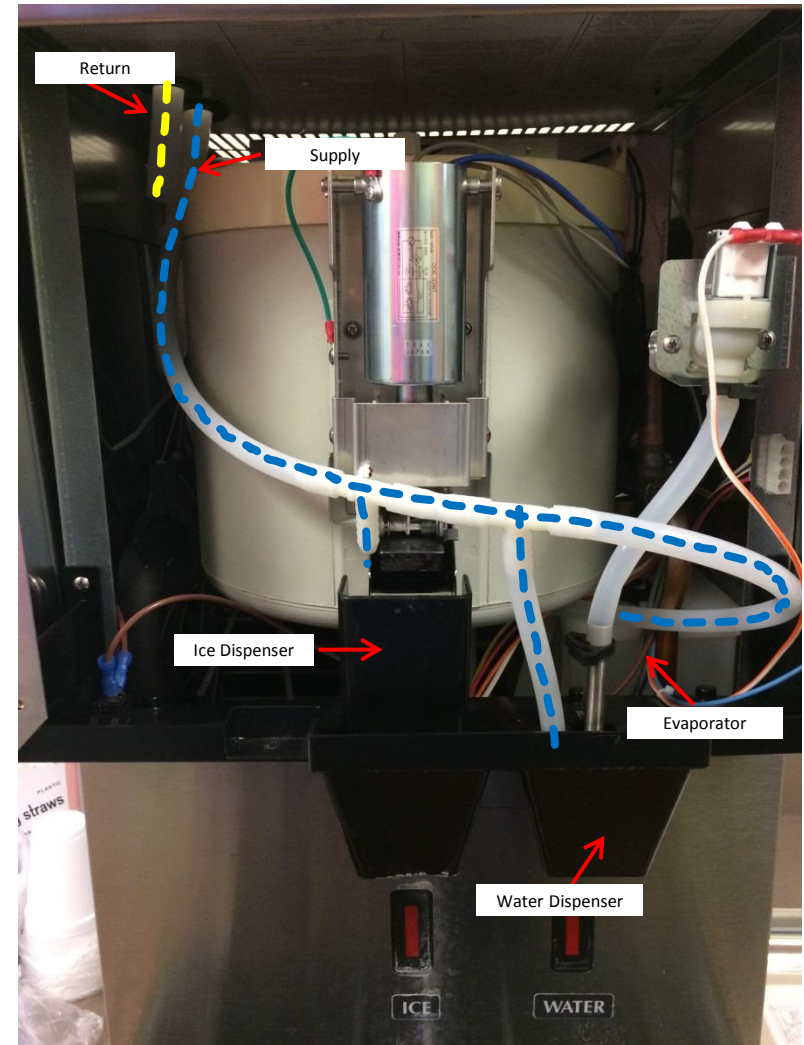


Installation Overview

Note the following paths and locations:

- Supply Line
- Treatment Areas, including:
 - Ice Dispenser
 - Water Dispenser
 - Evaporator
- Return Line

Note the short segment of tubing extends down



Installing IceZone®

Locate the 2 holes for the IceZone® supply and return tubing grommets with the dimensions shown.



Installing IceZone[®] -X

Drill the 2 holes for the IceZone[®] supply and return tubing grommets with a 1 1/8" step drill.

Remove the cover while drilling to prevent debris from contaminating the dispenser.

Deburr the holes and install the grommets as shown.



Installing IceZone® -X

Remove the service cover from the IceZone® unit.

This provides access to the lamp, power input and mounting boss.

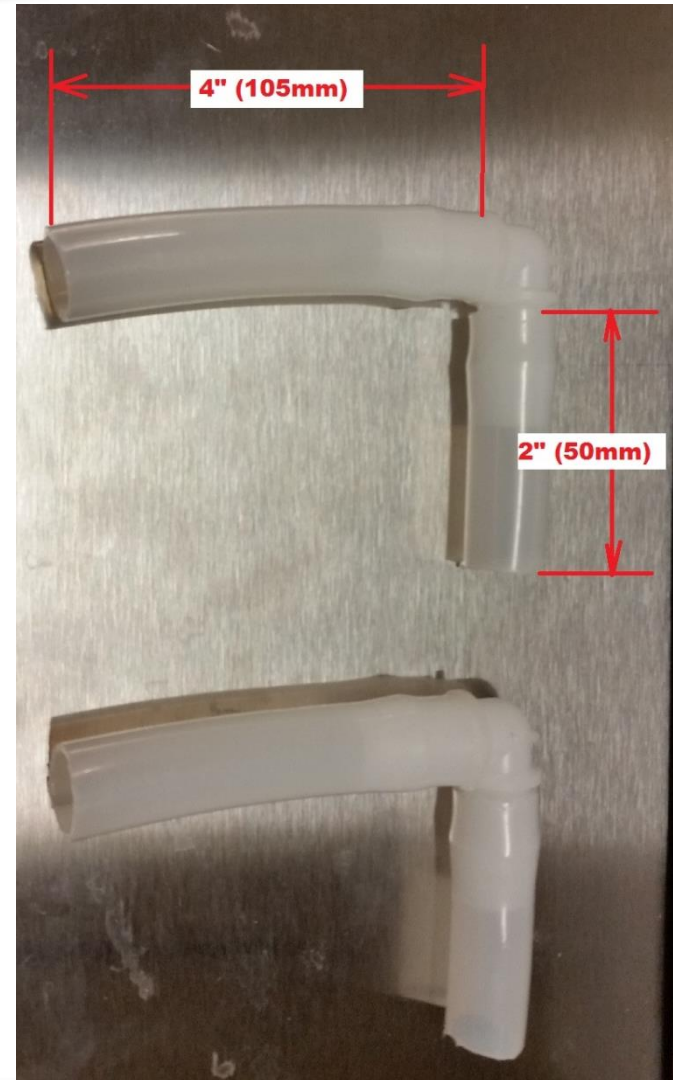
As the screw is removed from the cover, be sure to keep it with the cover so it is available for re-assembly.



Installing IceZone[®] -X

Cut the lengths for the IceZone[®] supply and return 5/8" ID tubing with the dimensions shown. Install tubing on the 90 degree elbows.

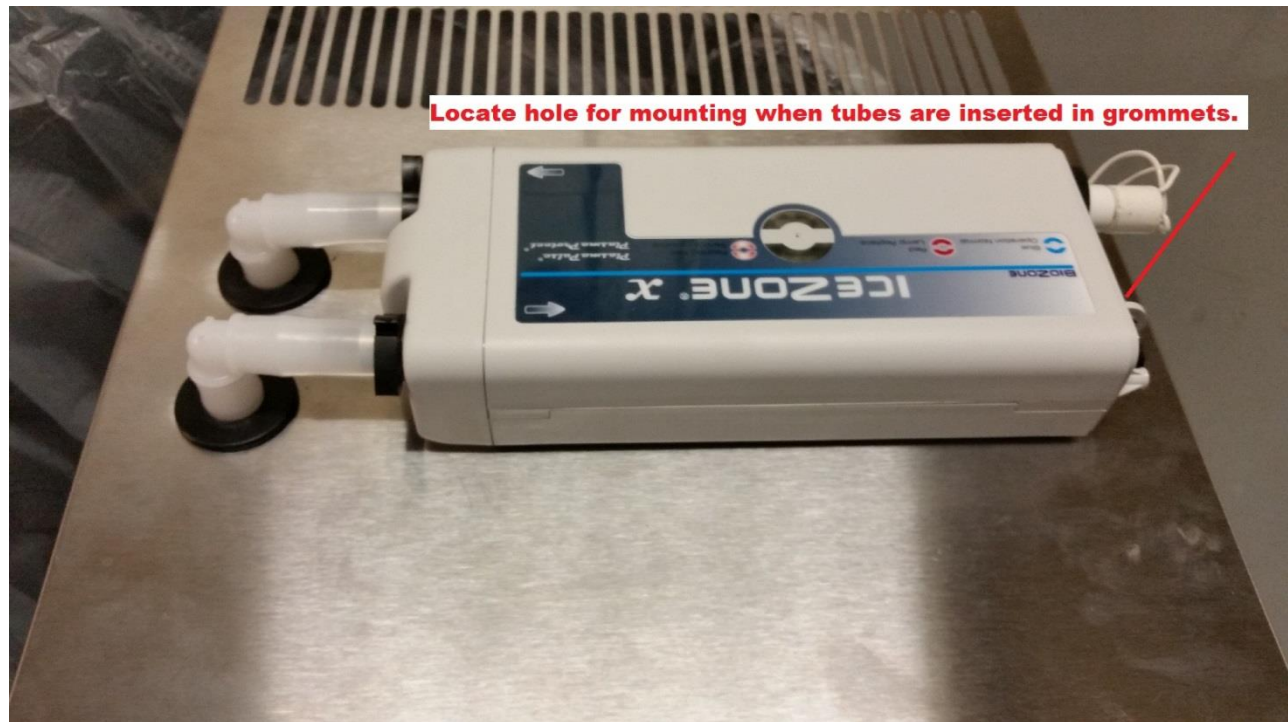
Installer's Tip: Heating the tubing in hot water eases the installation of the tubing onto the fittings.



Installing IceZone® -X

Install the IceZone® supply and return 5/8" ID tubing as shown.

Use the location of the IceZone® with tubing installed in grommets to locate the mounting hole.



Installing IceZone[®] -X

Mark the hole to mount the IceZone[®] unit on the lid.

Use a pen to locate the mounting hole.

Drill a 1/8" hole.



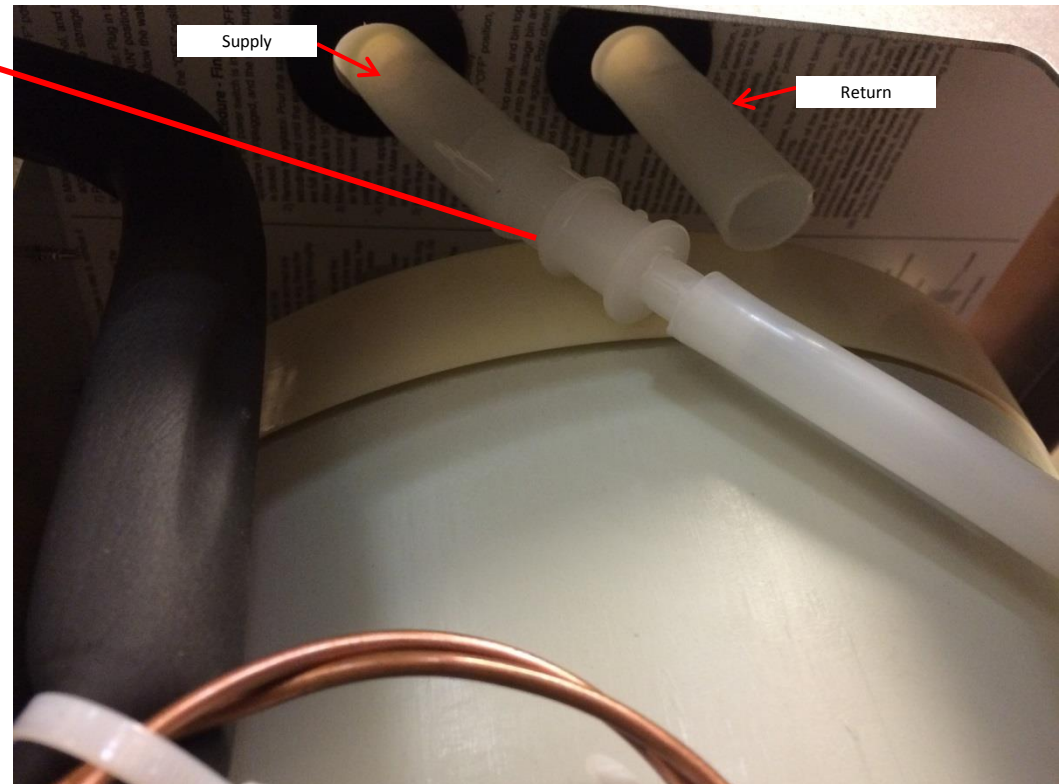
Installing IceZone® -X

Place the mounting rivet into the mounting hole.



Installing Supply Line Ice Dispenser Segment

Install the 5/8" to 3/8" reducer fitting into the supply line 5/8" tubing inside the dispenser enclosure.



Installing Supply Line Ice Dispenser Segment

Remove the Ice Dispenser and Water Dispenser Tray (not pictured)

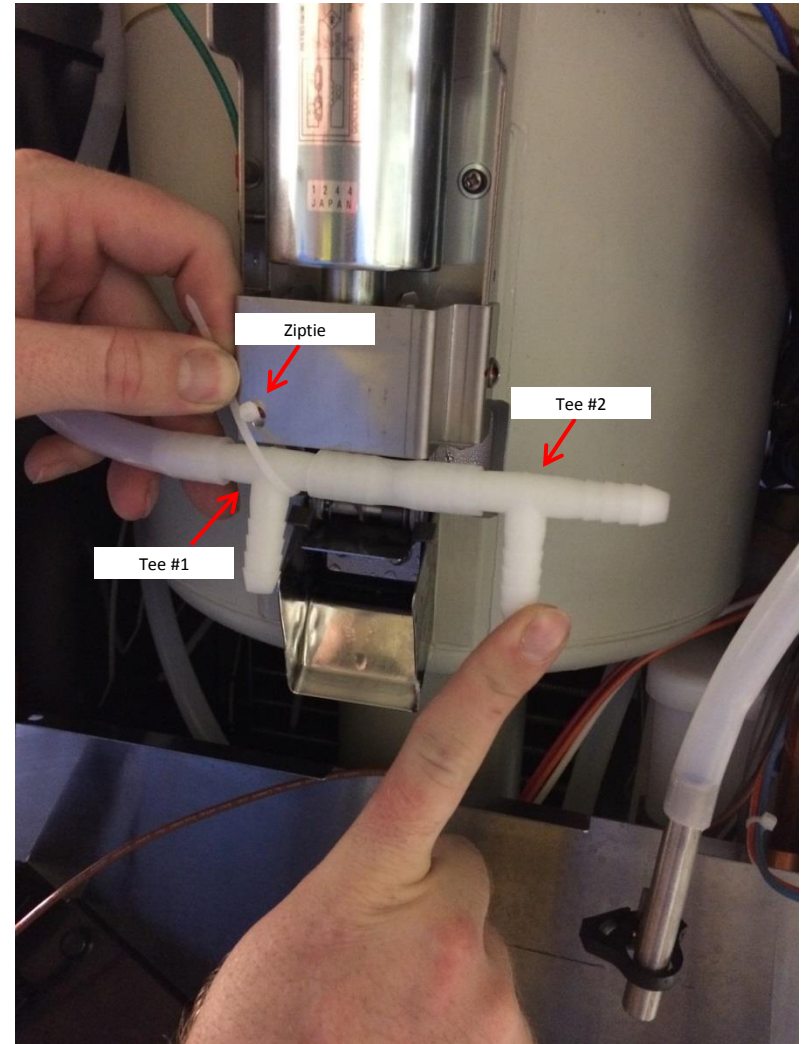
Route supply tubing to reach Ice Dispenser

Attach Tee fitting #1 to supply line

Cut approximately 2" of tubing and attach to Tee fitting #1

Attach Tee fitting #2 to 2" supply line segment

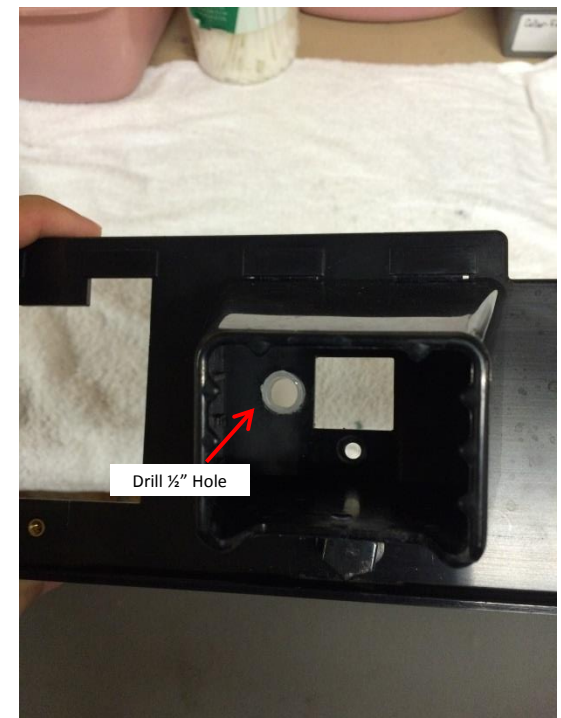
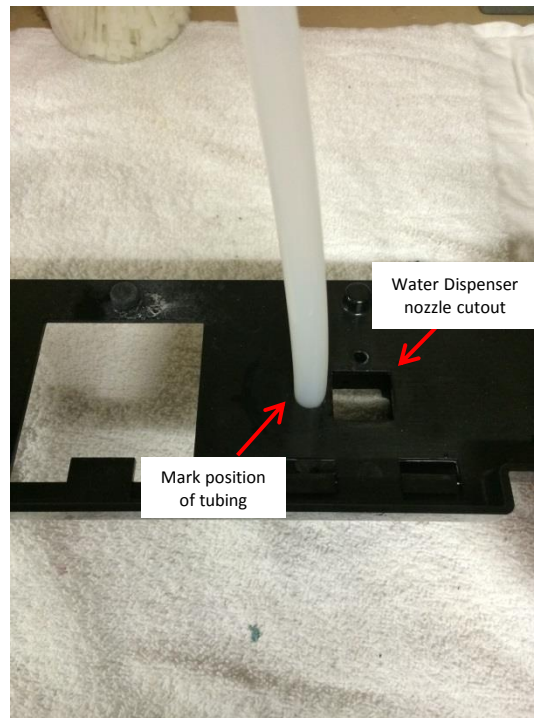
Attach zip tie to secure Tee fitting #1 to Ice Dispenser bracket as pictured



Installing Supply Line Water Dispenser Segment

Mark position of Water Dispenser segment on Tray

Drill ½" hole in Tray next to Water Dispenser nozzle cutout



Installing Supply Line Water Dispenser Segment

Route supply tubing to reach Ice and Water Dispenser Tray

Cut tubing to length (approximately 6" of tubing)

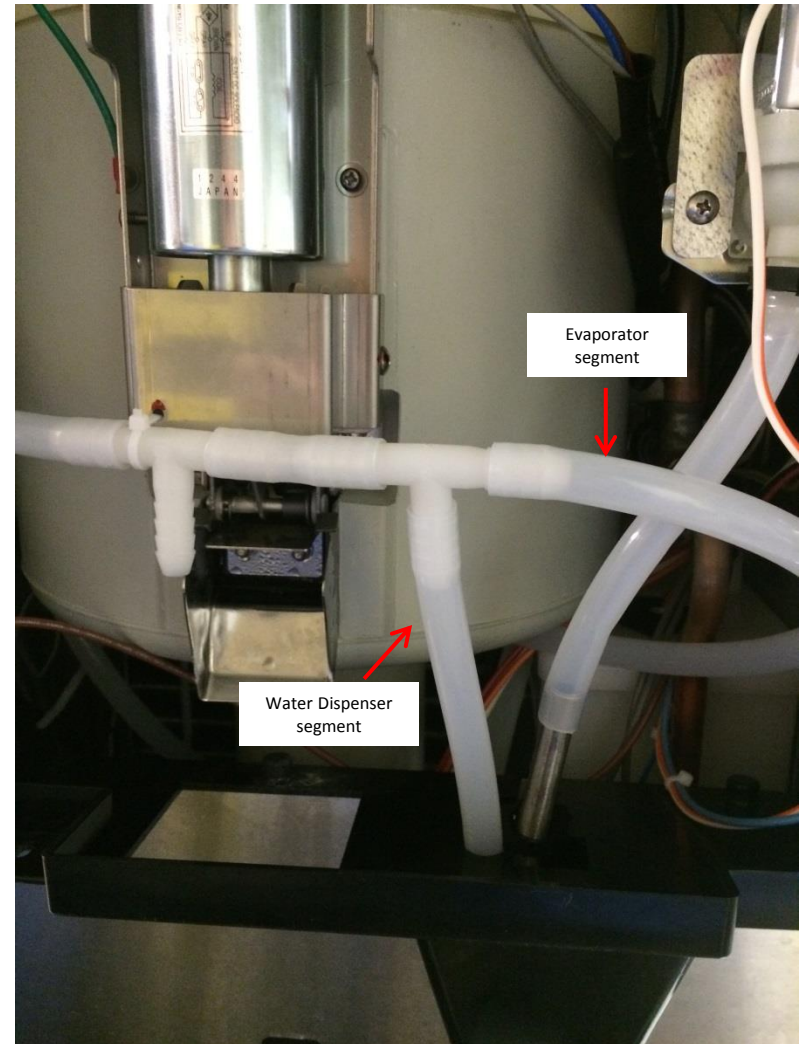
Connect the supply segment to treat the Water Dispenser

Installing Supply Line Evaporator Segment

Route supply tubing to reach Evaporator area

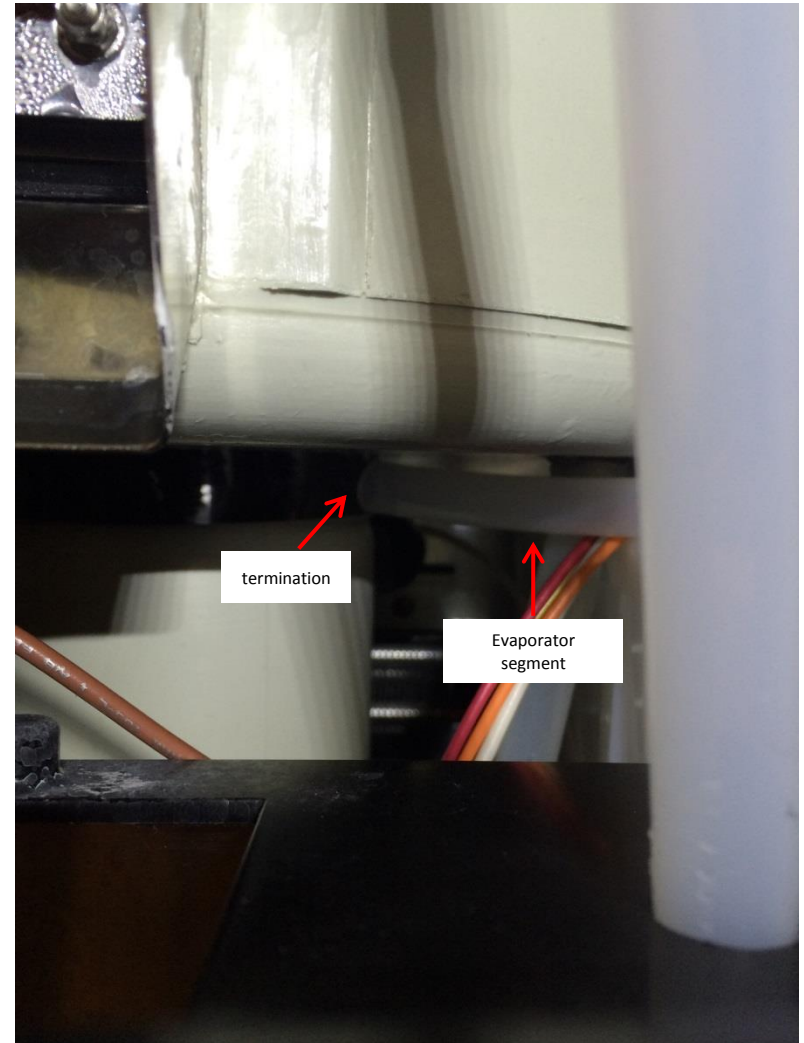
Cut tubing to length (approximately 10" of tubing)

Connect the supply segment to treat the Evaporator area



Installing Supply Line Evaporator Segment

Evaporator area supply segment should terminate next to the Evaporator area



Installing Return Line

Install an approximately 5" segment of 5/8" tubing to drop the return line to near the top of the mechanical area (see yellow dotted line in accompanying image)



Powering IceZone®

Insert the DC plug from the wall adapter through the “P” shaped hole in the service cover.

Plug the DC connector into the IceZone® Unit’s power input plug.



Powering IceZone®

Reinstall the service cover and secure with the original screw.



Powering IceZone®

IceZone-X® comes with a standard NEMA 1-15 ungrounded (Type A) wall adapter that can be powered with a 100-240V AC 50/60Hz wall plug (NEMA 1 or NEMA 5 outlet).



Powering IceZone®

The IceZone® runs **24 hours/day, 7 days per week.**

Be sure that the power outlet used to power IceZone® is not switched off.

Check to make sure the blue light is lit on the top of the IceZone® X.



IceZone[®] Operating Status Indicators

When IceZone[®] is connected to power correctly and the operation is normal a blue light shows on top of the unit.



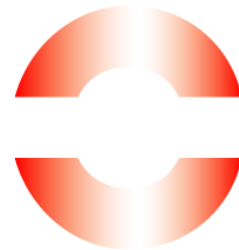
**Blue:
Operation Normal**

When the red light is steady on top of the IceZone[®], the lamp needs to be changed.



**Red:
Replace Bulb**

When the red light is flashing on top of the IceZone[®], the unit requires service.



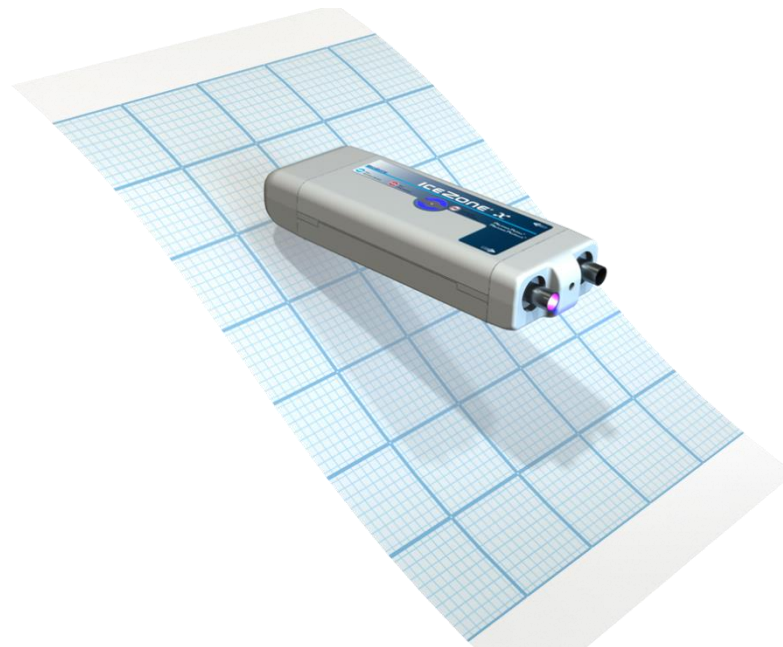
**Flashing Red:
Service Required**

BIOZONE[®]
SCIENTIFIC INTERNATIONAL

ICEZONE[®] *x* Installation

Thank you for installing

ICEZONE[®] *x*



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