



## ***Installing the Turbo Countertop Model System***

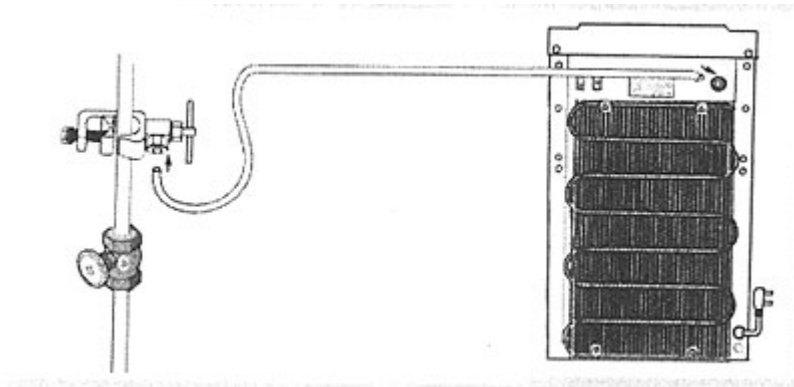
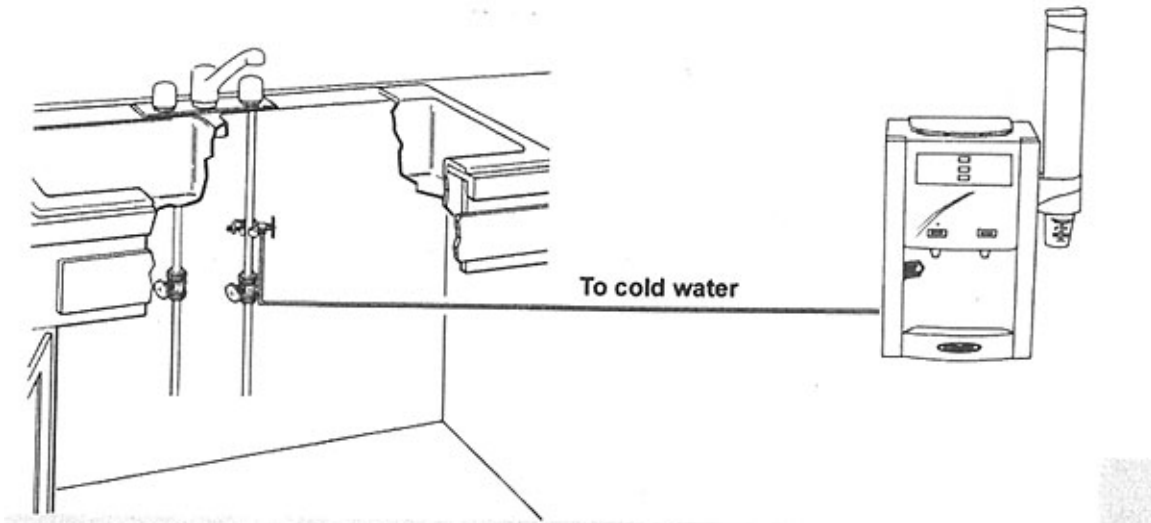
### **Location**

1. Locate as close as possible to water supply source.
2. Locate as close as possible to a three-prong grounding receptacle.
3. Locate the System on a smooth and level floor.
4. Allow sufficient space around the System for easy servicing.
1. Provide a non-switched 110/120V, 60Hz power source for the System.
2. Make sure the System is not moved, tilted or shaken.
3. Do not locate the System where the environment would offer any risk of water contamination.
4. Do not locate the System within or directly adjacent to toilet facilities.
5. Do not put any other liquid than water into the System.
6. Do not lay the System on its side.
7. Do not leave the System on without water supply line running.
8. Do not use an extension cord. The outlet must be within reach of the power cord.
9. Make sure The System has a 2" clearance on all sides to insure ventilation
10. Make sure to install the auto shut-off valve to control and reduce the cold water supply line pressure to keep at 25 psi to avoid busting.
11. Hot tank must be filled with water before the System is plugged into a three-prong ground type receptacle.

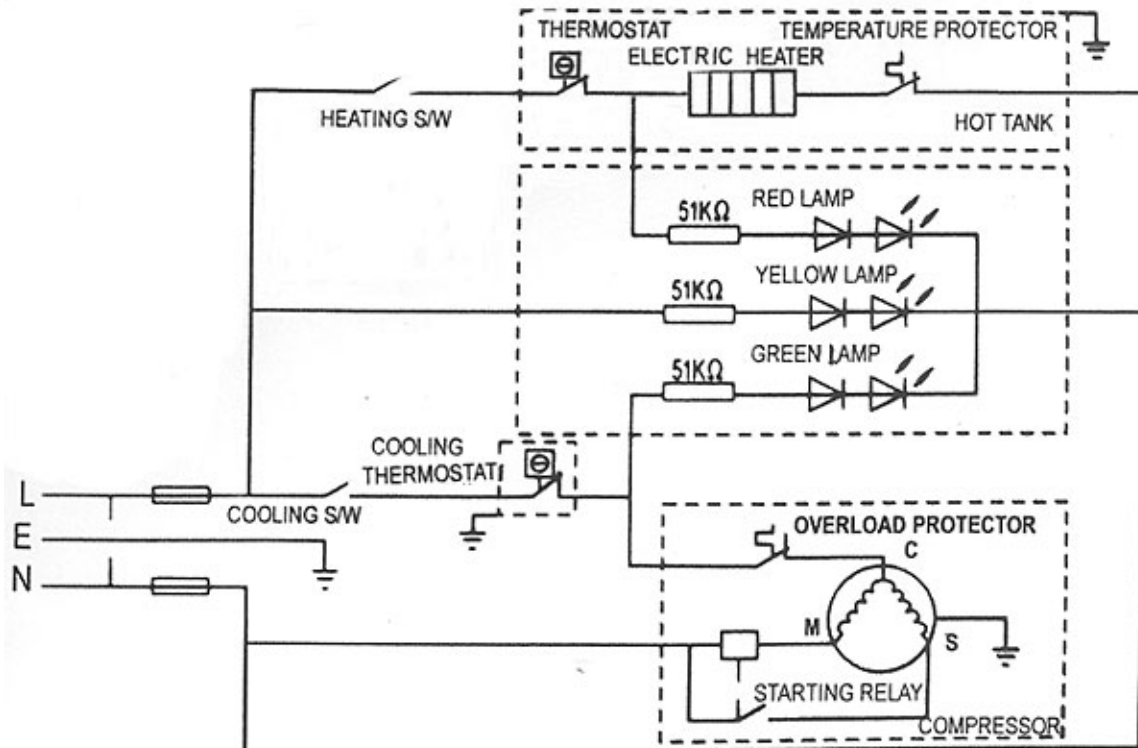
**All equipment needs to be plumbed into the water system by a licensed plumber.**

### The System Set-up and Preparation Instructions

1. Adjust the cold water supply line at the T-Valve by slowly turning the handle counter-clockwise to reduce flow to the System.
2. Connect the water supply line tubing to the System access board labeled "water inlet"
3. Turn the cold water supply line on again. Make sure there is no leak at the connection.
4. Turn the shut-off valve handle to the "ON" position to allow the cold water flow thru the System. Check that water flows through the cold faucet.
5. Check all connections including the filters and all other tubing and fitting connections inside the System for possible leaks.
6. Dispense water from the hot and cold water faucet/spouts and run water until water flows freely and there is no more air in the line.
7. Allow water to flow thru the System to refill the cold and hot tanks.
8. Make sure to flush filters/membranes.
9. Plug the power cord into a receptacle outlet. Make sure the System is plugged into a 115 volt grounded outlet which contains a fuse or circuit breaker of 20 amps or less.
10. Turn on the hot and cold tank switches.
11. Do not use the first three reservoirs of water; these are meant to flush the System.
12. Recheck the System for water leaks.



### Circuit and installing diagram



### Filters/RO Flushing Procedures

1. Make sure the filters are installed, the System to deliver the best possible drinking water.
2. Allow water flow to fill the reservoir and drain the system three times. Make sure to avoid water spills, and use a pen to catch the water from both drains.
3. Refill the reservoir again, cover the reservoir tank and cabinet by placing back lids, plug in the System, and turn both switches "ON".
4. Dispense two glasses of water from each faucet/spout to avoid trapped air.

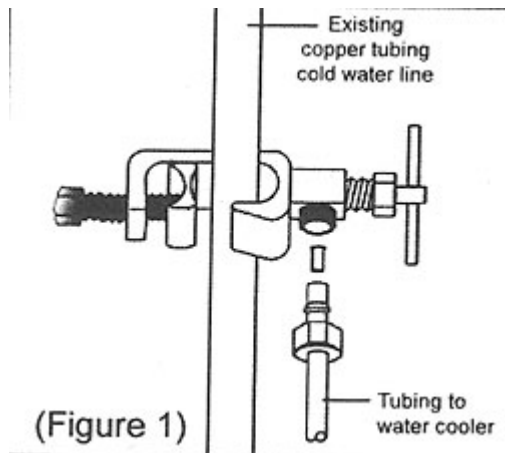
### Installing the system to the water supply

1. The system must be in the upright position at all times .Make sure to have the System in an upright position 24 hours prior to installation.
2. Use only ¼" OD tubing to connect the cold water supply to the system.
3. Shut the cold water supply line off.
4. Make sure cold and hot switches are off.
5. Make sure filter flushing is completed before cooler is installed.
6. Make sure to install the System on cold potable water supply.
7. Install a pressure regulator, such as a slow flow regulator on the tubing in front of unit's water inlet to regulate the water pressure could exceed 60 P.S.I.G.

## Install the Saddle Valve

### Choose the valve location

1. It is best to connect into the side of a vertical water pipe.
2. Disconnect the cold water supply line. Attach and tighten the saddle valve connector assembly being careful not to pinch or crimp any tubing or water supply line while tightening. Use Teflon tape to insure a tight fit (Fig 1).



**Note:** The saddle valve (Fig 1) clamps onto soft or hard tubing or pipe. It will make its own hole in copper tubing, but not in iron or brass. For brass or galvanized iron pipe, drill a 1/4" hole in pipe before mounting saddle valve.

If possible, use a hand or cordless drill when drilling in the water pipe is sure that drill, cord and outlet are all properly grounded.

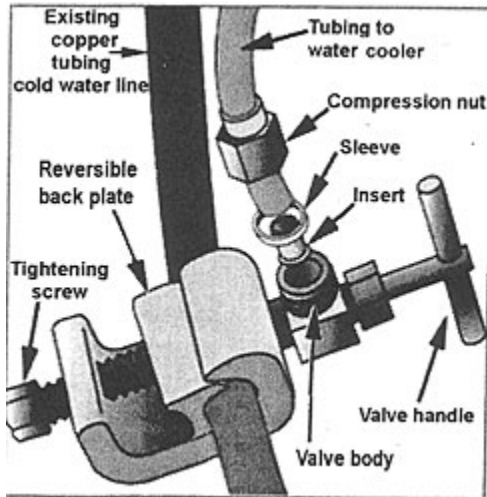
Do not turn handle before installing or while installing saddle valve.

To prevent damage to piercing needle, make sure that piercing lance does not project beyond the rubber gasket.

Leave handle in this position (valve closed) until filter installation is complete.

### Assemble saddle-tapping valve assembly on tube

- A. Hold back plate against tube.
- B. Hold valve saddle against tubing in a position directly opposite back plate.
- C. Tighten screw enough so valve saddle and back plate are held securely against tube.
- D. Tighten screw firmly. Do not crush tube.



**Connect source water feed tubing to valve body using compression fitting.**

- a. Slide nut and sleeve onto tubing.
- b. Install insert into plastic tubing
- c. Install tube with insert and sleeve into valve body.
- d. Thread compression nut onto valve body, tighten.
- e. Turn saddle-tapping valve handle clockwise until it is firmly seated and piercing lance is fully extended.

**Sanitizing the System:**

Disconnect the power supply from the cooler.

- Drain hot/cold water tank and water from the reservoir.
  - Drain water fro reservoir and hot tank (if fitted) through the faucets.
  - Put on disposable gloves and wash the faucets using mild cleaning agent. Parts must be completely submerged in the solution. Rinse with clean water immediately.
  - Reassemble the water cooler using the sanitized components.
  - Sanitize hot and cold tank (if fitted) and entire cooler with a new batch of sanitizing solution.
  - Completely fill the cooler with sanitizing solution, and let stand for 5 minutes.
  - Drain solution through hot and cold tank drain (if fitted), or through faucets.
  - Rinse with clean water immediately.
  - Reconnect the cold supply line to cooler's inlet tube.
- Flush the reservoir at least three times to remove any traces of the sanitization solution.
- Use chlorine test kit to identify the presence of any contaminants.
  - If contamination still exists, flush the reservoir and use chlorine test kit again.
  - Clean the outside of the cabinet and the drip tray using a mild cleaning agent.
  - Reconnect the power supply to the cooler.