

# DCI SYRINGE WATER HEATER #3211

## Installation Instructions



### THE FOLLOWING ITEMS ARE CONTAINED IN THIS PACKAGE:

- One syringe water heater with power cord attached (See figure 1).
- Two 10-32 x 1/4" Phillips head mounting screws.
- Two 1/8" tubing sleeves.

### YOU WILL NEED THE FOLLOWING ADDITIONAL TOOLS TO INSTALL THE WATER HEATER:

- A Phillips screwdriver.
- A 1/8" sleeve tool.

#### NOTE

The water heater must be mounted in order to operate safely. It can be mounted either upright or on its side. However, if the water heater is mounted on its side, it must be oriented with the inlet and outlet barbs, and the DCI label, facing up. Orienting the heater any other way could cause it to fail (See figure 2).

### INSTALLATION INSTRUCTIONS

1. Use the 10-32 x 1/4" Phillips head screws to mount the water heater in the desired location. There are two sets of mounting
2. Turn off the air and water in your delivery system.
3. Connect the water inlet barb (See figure 1) to regulated water at 40 PSI maximum. Refer to your dental unit flow diagram to connect the water heater so that it is isolated from bottled water.

#### WARNING:

The syringe water heater should always be connected to city water. Do not connect your water heater to a bottled water supply. If the water supply to the heater is interrupted, the water heater may overheat, causing failure.

4. The water outlet barb can be routed to the water connection of a syringe, control block, or any other desired accessory.
5. The air actuated water heater (#3211) (See figure 1) must be connected to an air signal. Connect the barb fitting the air actuated switch to master air, or to another suitable air signal at maximum 80 PSI, but not less than 25 PSI.
6. Before turning the water heater on, run water through the system until all air is purged from the water lines.
7. Connect the power cord of the water heater (#3211) to a 110 VAC receptacle.
8. Turn on air and water to the delivery system.

#### WARNING:

Grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked "Hospital Grade" or "Hospital Only".

9. The air actuated water heater will turn on when you flip the master air toggle on your delivery system to the On position. The yellow light (See figure 1) will indicate when power is on to water heater.

Figure 1

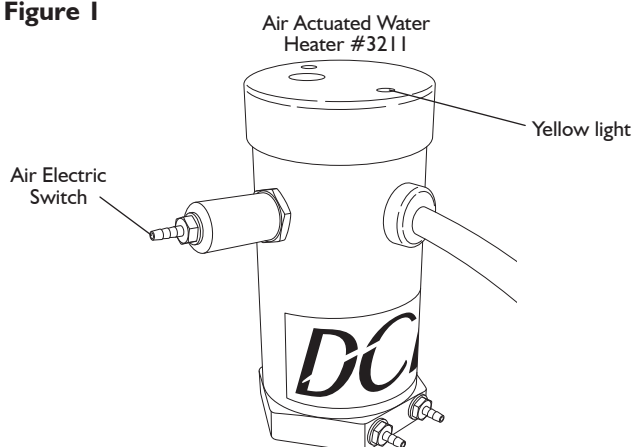
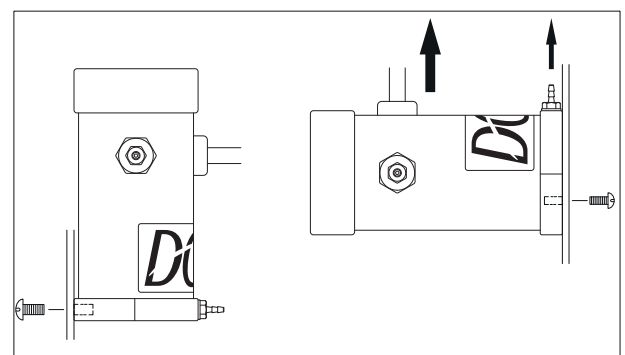


Figure 2



#### Water Heater Mounting

If the heater is mounted on its side, it must be oriented as shown, with the barbs and the DCI label facing up.

**CARE AND MAINTENANCE INSTRUCTIONS**

1. To clean water heater, wipe external surfaces with a dry cloth, use no liquids on the external surfaces of the water heater.
2. Temperature range is factory set at 90° F (32.2° C) to 110° F (43.3° C), water should feel lukewarm to touch, if not contact DCI.
3. The water heater is not field serviceable, contact DCI for technical assistance.

**CARE AND MAINTENANCE INSTRUCTIONS**

- Protection against electric shock: Class I
- Protection against ingress of liquids: Ordinary equipment
- Equipment not suitable for use with flammable anesthetics
- Operating method: Continuous operation
- Manufacturer: DCI
- Model number:  
 3211
- Water heater operates at:  
 120V; 1.6 Amp; 60 Hz