

**Instruction Sheet
for the PASCO
Model TD-8556A**

STEAM GENERATOR



Introduction

The PASCO scientific Model TD-8556A Steam Generator is an efficient source of steam and hot water for the student lab. The one liter stainless steel tank is electrically heated with a variable output of up to 400 Watts. The dangers of overheating are eliminated by the thermal circuit breaker that disconnects the power if the water boils dry.

Operation

► CAUTION:

- ① The stainless steel tank gets **HOT** when the unit is on.
- ② **DO NOT** immerse the unit in water.
- ③ **ALWAYS** plug into a grounded receptacle. Do not use a three-to-two-prong adaptor.

Operation is simple. Plug the unit into a standard 115/220 VAC, 50/60 Hz outlet. Fill the one liter tank approximately 1/2 to 3/4 full of water and place the rubber stopper over the top. Flip the ON/OFF switch to ON. The switch will light to show that power is entering the unit. Turn the power dial clockwise, and the heater will click on. Set the dial to 8 if you want steam or boiling water, to a lower setting if you want hot but not boiling

water. At full power, it will take 10-15 minutes to bring 3/4 of a liter of water from room temperature to boiling.

A baster is provided for removing hot water from the tank for use in experiments. If you need steam, attach plastic tubing (1/4-inch inside diameter) to the tubes on the rubber stopper—two experiments can be performed simultaneously. For the full steam output of approximately 10 grams/minute, block the tubing on one side with a tubing clamp.

If the water in the tank runs low, the thermal circuit breaker will cut off the power to the heater and the LOW WATER light will come on. In this case, just add more water to the tank. When the tank cools sufficiently, the heater will restart automatically.

If the ON/OFF switch ever fails to illuminate when switched to ON, check the fuse on the front panel of the unit.

► **IMPORTANT:** If the fuse is blown, replace only with a similarly rated fuse. For 115 V use 5 Amp, 250 V, for 220 V use 2.5 Amp, 250 V.

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