

STEAMIST®

Auto Drain

Model: TSG-AD

Part#'s 9070 (240 Volt) and 9071 (208 Volt)

WARNING: POWER MUST BE TURNED OFF. Auto drain connections are 208/240 volts. To prevent electrical shock power to the generator must be turned off.

CAUTION: To prevent damage to the home, do not operate the steam generator until the Auto Drain is fully piped to the drainage system. The drain opens automatically and exiting water may damage the home if it is not properly connected to the floor drain.

Introduction

For Total Sense Generators which come factory wired and tested to accommodate the optional Auto Drain valve. Please see below.

1. Connecting the Auto Drain to the drainage system

- a) When installing the Auto Drain valve, make sure the directional arrow on the valve points away from the steam unit.
- b) Using ½" pipe, connect the drain outlet to the drainage system. The pipe must be pitched down away from the steam generator; the water will drain by gravity.

CAUTION: Any upward pitch of the drain would collect sediment and prevent proper draining and damage the steam generator.

NOTE: Do NOT connect the auto drain pipe to the steam line, Safety Relief Valve line, or to the drain pan.

IMPORTANT: When connecting the drain outlet to the drainage system, be sure to follow National and Local plumbing codes.

- a) Pipe the Auto Drain outlet to empty into a floor drain. The outlet should be connected to an indirect waste and must have a minimum air gap of twice the diameter of the Auto Drain pipe. The air gap is measured from the top rim of the floor drain to the end of the Auto Drain pipe. The floor drain must be properly vented and trapped.
- b) Have the electrician connect the two wires from the valve to the terminal block located in the electrical compartment of the steam generator (see diagram).

2. Operation of the Auto Drain

The drain valve is a normally closed valve which opens each time the steam generator is drains. The valve is held closed throughout the steambath cycle and remains closed after the steambath or until the steam generator cools to about 120°F. All units with Auto Drain come equipped with a thermostatic switch which prevents the drain from dumping boiling water. It takes approximately 6 hours for the steam generator to cool and drain after a steambath cycle. During the drain cycle the drain valve will remain open for 3 minutes total. After 2 ½ minutes the water solenoid valve will open and flush the tank.

WARNING: The drain valve must be piped in a manner which will prevent damage to the home or personal injury in this unlikely event.

Test the Auto Drain

IMPORTANT: The Auto Drain must be tested to insure that the water does not back up or splash out of the floor drain. After all of the plumbing and electrical connections are made, turn the unit on and listen for the water filling. When it is full and the water stops flowing, immediately turn the unit off from the TSC control to prevent water from heating. The water should drain out. Observe the water draining and make sure it does not back up or splash out of the floor drain. Correct as necessary.

Wiring

Run two black leads from the Auto Drain to the Terminal Block located in the diagram below.

TSG Generator - Installation Illustration

