

STEAMIST®

Steambath Generators

Models: SM-46 and SM-79

The Steamist "SM" Generator comes factory assembled, carefully wired and tested.

The Plumbing Installation must conform to local and national codes. All electrical power should be turned OFF when working with Steam Generator.

1. Pre-Installation

- a) Be sure that the proper size Steam Generator has been selected by using the sizing page in the "Full Line Brochure," "Pricing Guide," "The Generator Sizing Guide," "Architectural Guidelines," or in the Residential Systems/Steambath Product Information section of the Steamist website - www.steamist.com.

CAUTION: An improperly sized Steam Generator may NOT produce the amount of steam necessary to reach selected temperature.

IMPORTANT: Refer to page 4 for model required for cubic foot rating.

- b) The Steam Generator should be located as close as possible to the Steamroom/Shower or tub enclosure. Steam pipe should NOT exceed twenty-five feet in length. If the steam pipe exceeds ten feet, use an appropriate pipe insulation rated for a minimum of 212°F. Possible locations include Vanity, Closets, Attic (insulated), or Basement near bath area. The serial number plate should be visible and the Steam Generator should be accessible for service. Refer to Installation Suggestions on page 4. Do NOT install Generator outdoors, in a moist, humid area, or in an area where parts may freeze or corrode. Also, do NOT install near flammable materials such as paints, thinners, gasoline, etc.
- c) The steam line and safety valve reach a temperature of 212°F during operation and should be appropriately protected to prevent personal injury by accidental contact.

2. Plumbing Rough-in

Plumbing rough-in is required for the water supply and steam line; this should be completed before the walls are closed. For operation, the "SM" Steam Generator requires a $\frac{3}{8}$ " O.D. copper tubing to the fitting on the generator for water inlet and a $\frac{3}{4}$ " copper or brass pipe for steam outlet.

NOTE: Safety Valve should be connected to a minimum $\frac{3}{4}$ " indirect waste or as required by local plumbing codes. In the unlikely event this valve should open, the discharge must be directed to prevent damage to the home.

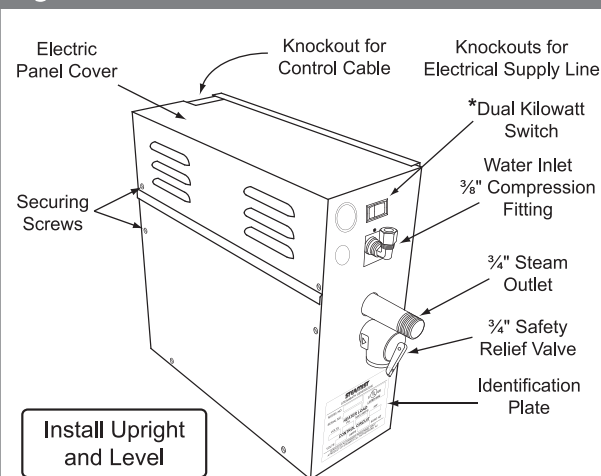
- a) **Water Inlet** - A water line should be roughed in from existing $\frac{1}{2}$ " hot or cold water pipe. Using a $\frac{1}{2}$ " x $\frac{3}{8}$ " tee, cut and solder tee into the existing water line (see Figure 4 on page 3). Solder a piece of $\frac{3}{8}$ " copper tubing into tee. Rough-in for water supply is now complete. The max water pressure should not exceed 125psi.

- b) **Steam Outlet** - Rough in the steam line using a minimum of a $\frac{3}{4}$ " copper or brass pipe; do NOT use black iron or galvanized pipe; it will rust and discolor the wall of the steambath. The steamhead location should be 18" above the shower floor or 6" above the rim of the bathtub, as far from the seating area as possible. Also, do NOT connect the drain pipe to the steam line.

NOTE: Do not connect the Safety Valve to the steam line.

CAUTION: No shutoff valve can be installed in the steam line. Do NOT create traps or valleys in this line which would trap condensation and block the flow of steam. The steam pipe should be pitched toward the Steam Generator allowing condensation to run back toward the Steam Generator (preferred), or toward the steamhead. If the steam generator is equipped with a drain valve, do NOT connect the drain pipe to the steam line.

Figure 1 - Steam Generators



*The dual kilowatt switch is a unique feature that allows the owner to increase or decrease the steam to his or her own comfort level.



WARNING: Elderly persons, pregnant women, or those suffering from heart disease, high blood pressure, diabetes, or who are otherwise not in good health, do not use this device unless directed to do so by a physician. Also, do not use steambath while under the influence of alcohol. For additional Important Safety Information, please see a separate instruction Pub. No. 199.

IMPORTANT: The warranty of this product is voided if it is used in a commercial application or for anything other than a residential steambath installation.

Installation Instructions

Models: SM-46 and SM-79

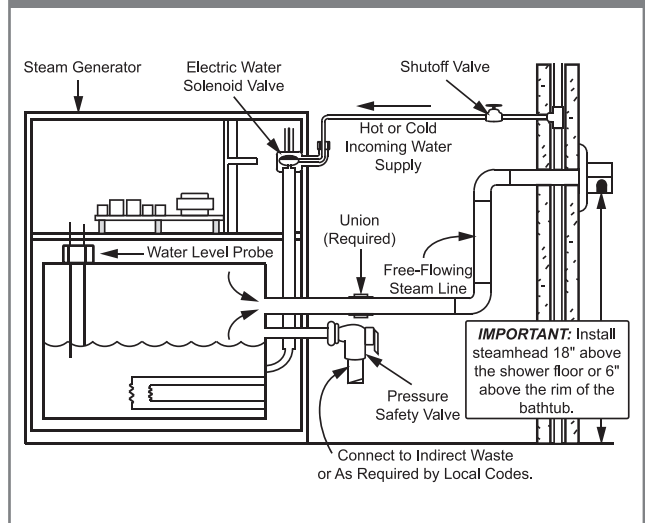
3. Steam Generator Installation

The Steam Generator should be mounted in a location convenient for hook-up and service by the plumber and electrician.

CAUTION: The Steam Generator is designed to be used **ONLY** in an upright and level position; to do otherwise would damage the unit and void the warranty.

- The Steam Generator can be mounted to a wall or set on the floor. However, the unit must be secured. To secure the unit to a vertical wall, loosen the two screws holding the electrical access cover, remove cover (see Figure 1). Located inside the cabinet near the top left and right corners are mounting holes. Place top cover back and secure.
- Connect the 3/8" water supply, described in Section 2, to the Steam Generator by first soldering a 3/8" valve into the previously installed water line. The valve must be kept in an open position during normal operation. In areas where high water pressure may be a problem a water hammer arrestor or a pressure regulator should be installed. Complete water supply by connecting 3/8" copper tubing from the valve to the water inlet compression fitting. Refer to Figure 2.
- IMPORTANT:** Do NOT use a "saddle valve" or piercing type valve for water connection.
- Connect the steam line from rough-in location described in Section 2 to the 3/4" nipple on the Steam Generator using a union.

Figure 2 - Plumbing Diagram



- In the shower, place the center of the escutcheon onto the steam pipe and screw the steamhead into place. Care must be taken not to scratch the steamhead or escutcheon with wrench. Be sure the steam slot in the steamhead is facing down. After the plumbing connections are complete the electrician may finish wiring the unit.

3199 Series Steamhead Installation Instructions

- Make sure the 3/4" nipple protrudes beyond the tile approximately 1/2". (See Figure 3)
- Wrap the nipple with pipe sealant tape.
- Put a bead of silicone around the outer edge of the Back Plate (see Figure 3) and center the Back Plate over the pipe in an upright position. While holding it in place, screw the Center Hub onto the nipple, using a 3/8" hex key to tighten.
- The Center Hub **MUST** be aligned with the four walls in the vertical and horizontal position (See Figure 3a). Make sure the steamhead O-ring is fully seated into the Back Plate.
- If the nipple is sticking out too far the O-ring will not make a proper seal and the nipple must be adjusted.
- Apply a small amount of silicone at the back center point of the Cover Plate. This will aid in preventing movement of this plate. (See Figure 3a)
- Place the Cover Plate over the Center Hub. This is accomplished by first hooking the top and then snapping the bottom into place.
- Adjust the Back Plate and Cover Plate to line up squarely, and clean excess silicone with rubbing alcohol.

Figure 3 - Steamhead Installation

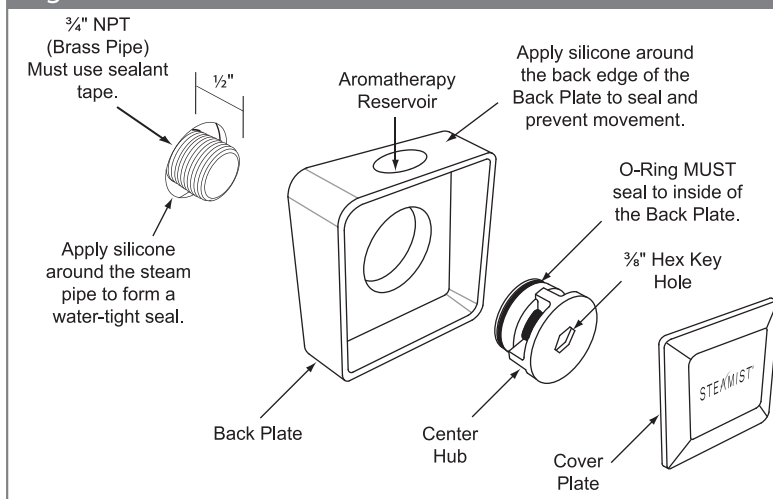


Figure 3a - Center Hub Installation

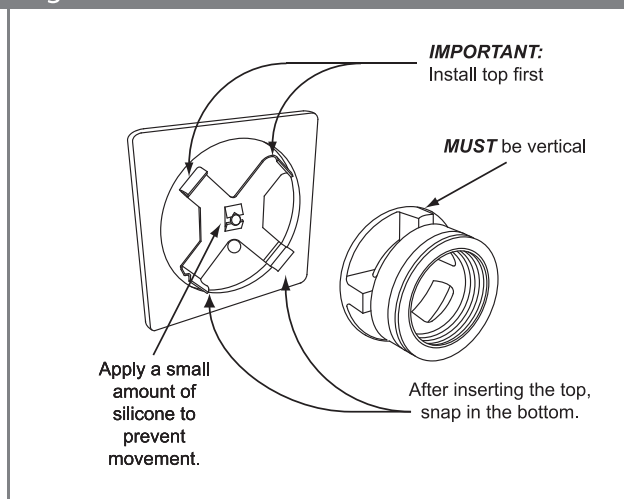
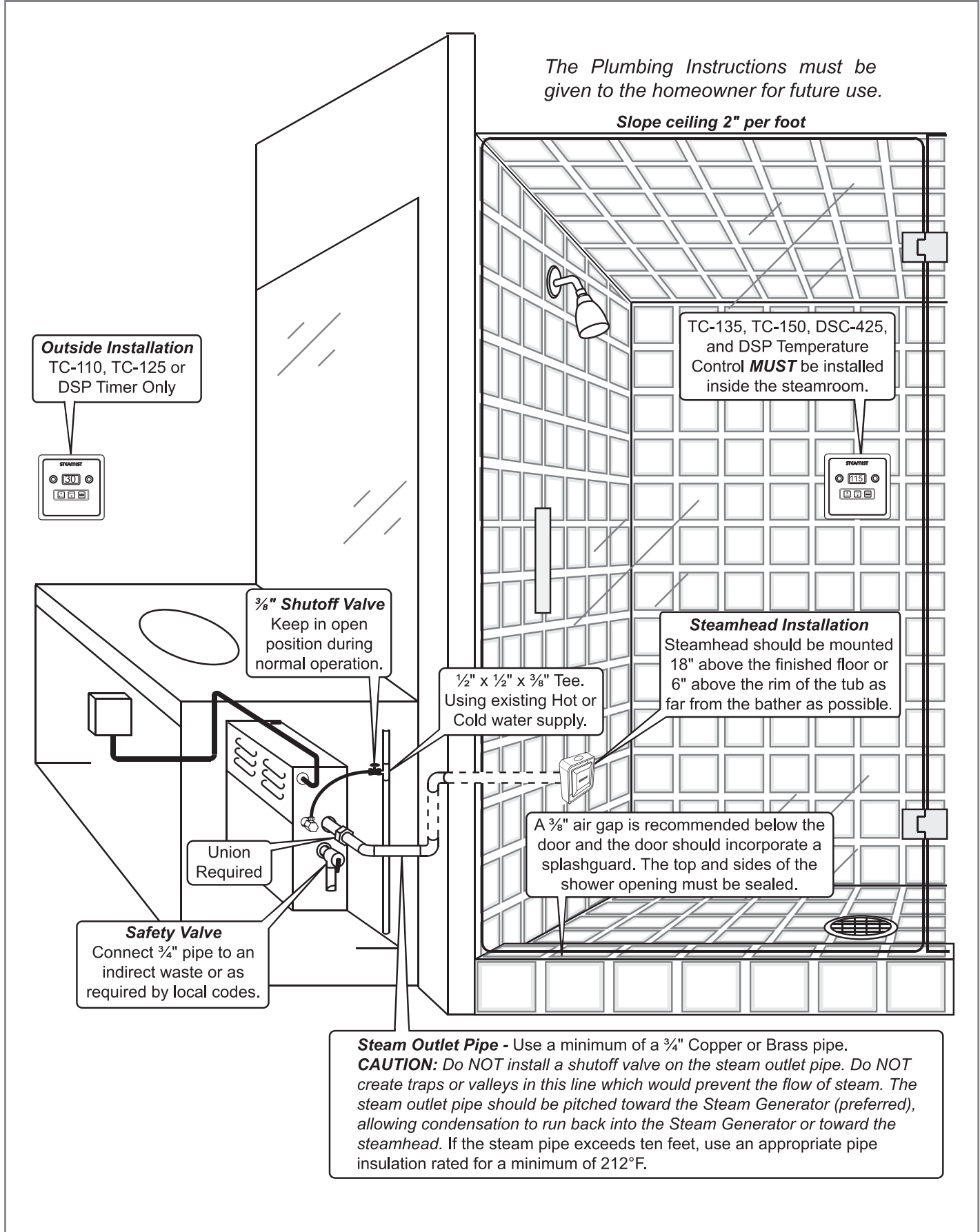


Figure 4 - Typical Installation

Models: SM-46 and SM-79



Access Requirements

Models: SM-46 and SM-79

Select a location for mounting the Steam Generator that is accessible for installation and service. The access requirement indicates the minimum space for convenient access to Steam Generator.

CAUTION: All models must be installed **INDOORS**, in a **DRY**, **NON-FREEZING** location away from flammable materials such as: Gasoline, Paints, Thinners, Etc.

NOTE: This steam generator is **NOT** intended to be used for space heating purposes.

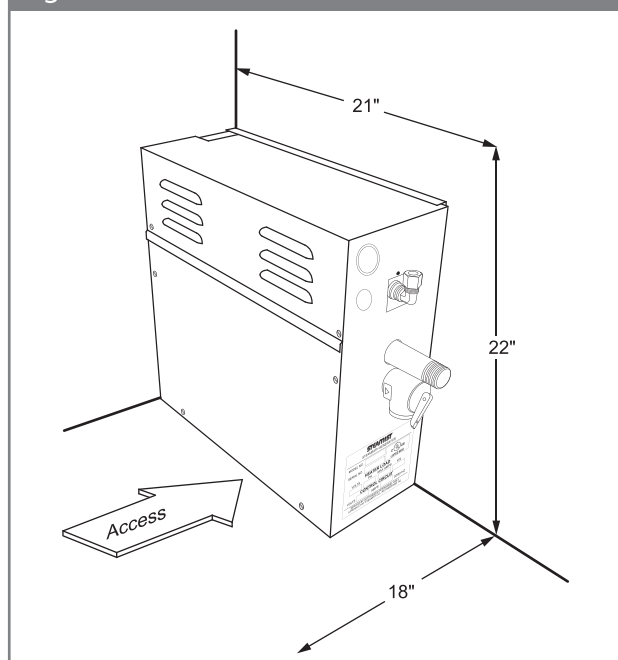
IMPORTANT: Steam Generator must be installed upright and level.

Specification Chart

Model No.	*Max. Cu. Ft. For Area Up To	Dual KW	Volt	Phase	Amps	Wire Size 90°C Copper AWG	Line Fuse
SM-46	60	4.5	240	1	17	8	35
			208	1	19	8	40
	130	6	240	1	21	8	35
			208	1	24	8	40
SM-79	220	7.5	240	1	29	8	50
			208	1	34	8	60
	300	9	240	1	35	8	50
			208	1	41	6	60

*Refer to the Steamist Sizing Guide for actual Cu. Ft. capacity and then set the dual kilowatt switch.

Figure 5



Installation Suggestions

