



Cleanse Your Body. Purify Your Soul.

Installation Instructions

SteamShower 900,1200,1500 Series

For machine of manufacture post July 2002

If you are a plumber installing this unit, please leave this owners manual & warranty card with the owner when you finish the installation.

Thank You!

WARNING

- DO NOT USE THIS PRODUCT UNLESS YOU HAVE CONSULTED YOUR DOCTOR AND RECEIVED WRITTEN PERMISSION TO DO SO. USE OF THIS PRODUCT MAY BE HAZARDOUS TO YOUR HEALTH.
- STEAM IS HOT! DO **NOT** TOUCH OR GO NEAR THE STEAM HEAD FROM THE TIME THE UNIT IS "ON", UP TO ONE HOUR FROM THE TIME THE UNIT IS OFF. SEVERE BURN WILL OCCUR IF YOU COME IN CONTACT WITH THE STEAM HEAD OR STEAM EMITTING FROM THE STEAM HEAD.
- NEVER ATTEMPT TO FILL AROMA THERAPY RESERVOIR ON THE STEAM HEAD WHEN UNIT IS IN THE "ON" POSITION. SEVERE BURNS WILL OCCUR.
- DO NOT USE THERMASOL AROMA THERAPY OILS OR SKIN CARE PRODUCTS OR ANY PRODUCT IN CONJUNCTION WITH YOUR THERMASOL UNIT WITHOUT CONSULTING WITH YOUR ALLERGIST OR DOCTOR BEFORE USE. THESE PRODUCTS MAY BE HAZARDOUS TO YOUR HEALTH.
- YOUR SHOWER MAY BE A SLIP AND FALL HAZARD CHECK WITH YOUR CONTRACTOR OR FLOORING MANUFACTURER REGARDING THE SAFE USE OF YOUR FLOORING IN A STEAM APPLICATION. SLIPPING AND FALLING INTO THE STEAM HEAD ITSELF OR INTO THE STREAM OF STEAM EMITTING FROM THE STEAM HEAD WILL CAUSE SERIOUS BURNS, OR PHYSICAL INJURY.

Note: Before contacting Customer Service for Technical Support, please have the model number and serial number (including all numbers and letters) located on the unit.

Headquarters & Technical Support
2255 Union Place, Simi Valley, CA 93065 – (800) 776-0711

Eastern Sales Office
26 Industrial Avenue, Fairview NJ 07022 – (800) 631-1601
www.thermasol.com

Sizing Your Steam room

Sizing: 1. Calculate the total volume of the enclosure. (Length x Width x Height = Total Volume).

2. Using the Volume total, multiply by the number to the right of your shower wall material shown below.

Example: 7 ft. long x 4 ft. wide 7 ft. high = 196 cubic feet

196 cubic ft. x 1.65 (marble) = 323.4 cubic ft. = Model #240 Steam Shower series generator.

NOTE: Add 10% for every foot exceeding 7 ft. in ceiling height.
Add 10% for every exterior outside wall.

▪ Fiberglass, Cultured Marble	.65
▪ Corian	No Change
▪ Ceramic tile on waterproof sheetrock, cement bed or mortar bed	No Change
▪ All glass tile, glass block walls	1.35
▪ Natural stone tiles 3/8" to 1/2" (marble, travertine, slate, granite, etc.)	1.65
▪ Natural stone tiles on cement bed or mortal bed	1.65
▪ Natural stone slab 3/4" to 1"	1.85

For further assistance call toll-free 800-776-0711

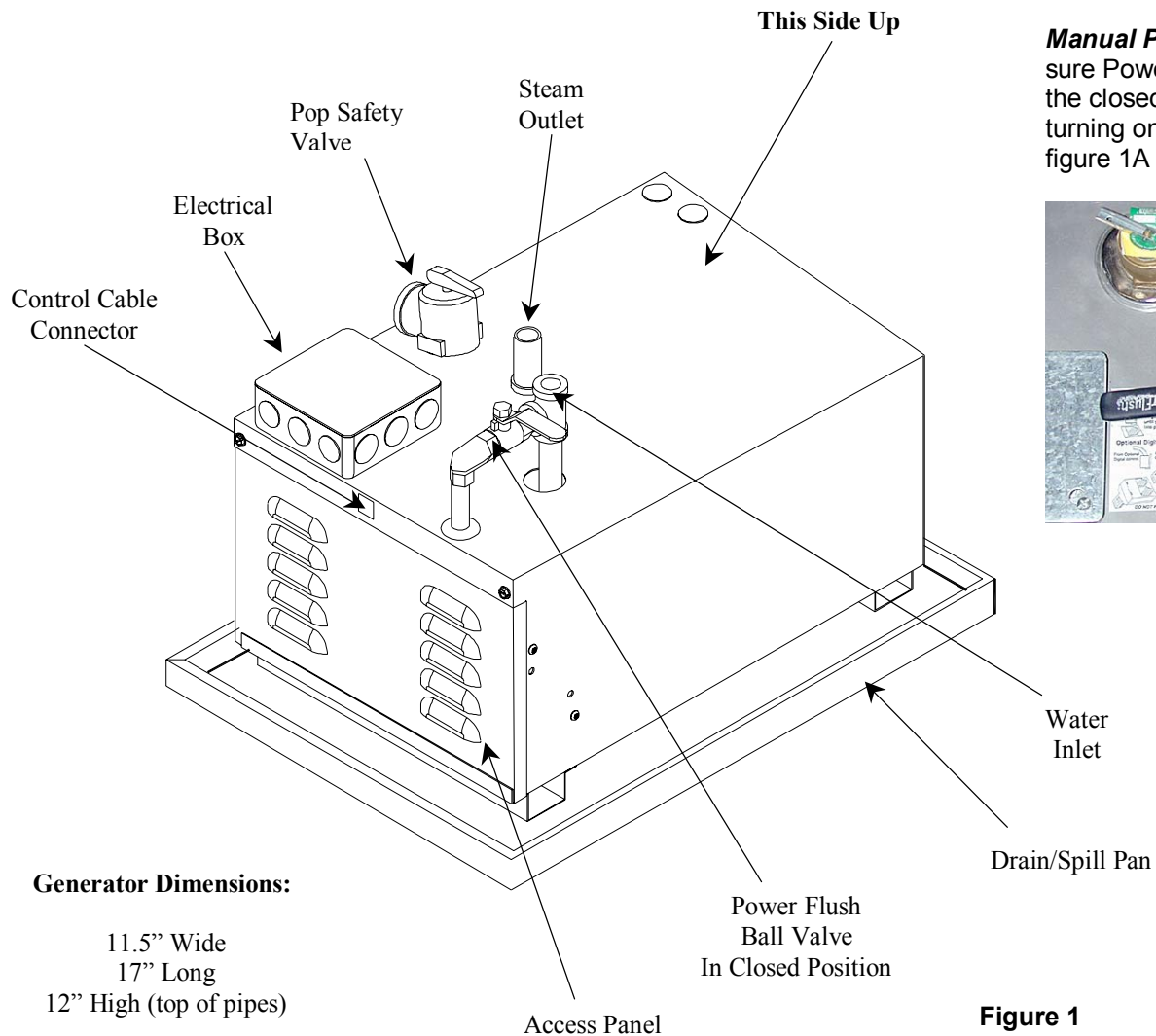
Generator Installation Instructions

Parts Enclosed

- One No Touch steam head housing
- Steam generator
- Installation instructions
- One 50' control cable

All ThermaSol steam generators are designed to build **NO PRESSURE** during operation. This is for your safety.

NOTE: Failure to follow installation instructions specifically will cause the warranty to be void.



Manual PowerFlush: Make sure Power Flush valve is in the closed position before turning on the water. See figure 1A



Figure 1A

Figure 1

Generator Installation Instructions (con't)

Materials Needed

- Brass ball valve
- Pipe compound
- Copper or brass nipples
(Sizes and quantities per instructions)
- In-line filter (recommended)
- 3/8" brass or copper union
- 1/2" brass or copper union
- Wire (sizes and quantities per instructions)
- Copper tubing or pipe
- Wire cap nuts
- Flex conduit
- Brass or copper tee connection & plug
- Silicone
- Drain/spill pan

Tools Needed

- Pipe wrench
- Tubing cutter
- Flaring tool (if flared fittings are used)
- Pipe thread cap
- Wire cutters or wire strippers
- Adjustable wrench
- Screwdrivers (Phillips & regular)
- Solder & Flux
- 1" & 1 1/16" masonry drill bits
- 2.5" hole saw for No Touch steam head
- Drill motor
- Propane Torch
- Silicone gun
- Other tools as required

NOTE:

- **Thermasol steam bath generators are for indoor use only. They should never be located outside the home.**
- **Thermasol steam bath generators are NOT designed to be used for space heating purposes.**

WARNING: Please consult your physician before using. If you are pregnant, elderly, have high blood pressure, diabetes, suffering from heart disease, intoxicated, or not in good health, do not use this steam bath.

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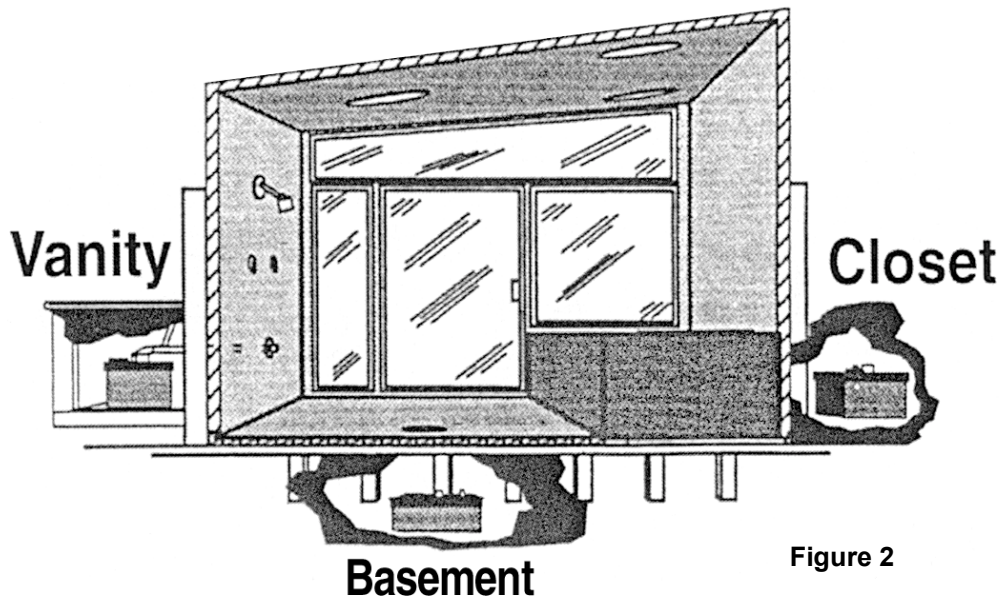
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Requirements for proper installation

1. Ensure the enclosure to be used is vapor proof. It should have a vapor proof door that seals well so the steam does not escape. Make sure the wall, ceiling and the floor materials are ok to use with steam and hot condensation, the steam produces.
2. Use copper or brass fittings only. **(NEVER USE GALVANIZED FITTINGS)**
3. **The water inlet, steam outlet and pressure relief valve, need brass unions for easy removal. Install a drain/spill pan under the unit.**
4. The **generator must be upright, accessible and on a level surface** with **all** connections on top. **Access panel and Power Flush valve must be unobstructed and allow for easy access. See figure 1.**
5. Units may be installed up to 50 feet away from shower area. In a dry well ventilated area.
6. **Do not** plumb a trap in the steam line or plumb the pressure relief valve into the steam line. **Plumbing the pressure relief valve into the steam line can be hazardous, should the steam outlet be capped off or obstructed.**
7. Pitch steam line back towards generator and **avoid perfectly level plumbed lines.**
8. Before connecting water line to the generator, flush water line into a five-gallon pail to remove any silt or other materials that may be in the line. An in-line water filter is also recommended.
9. Make sure water is turned on to the units and the **Power Flush is in the closed position** before operating the units. See **figure 1A**.

NOTE: Failure to follow specific installation instructions will cause the warranty to be void.



Various options for the ThermaSol steam bath generator location.

Water Inlet

Refer to figure 3 for the following:

1. Install a drain/spill pan under the generator. Connect a tee to the cold water line. Install copper pipe to the tee. An in-line filter is recommended.
2. Install a brass shut-off valve on the water inlet line in an accessible area prior to the brass union and recommended in-line water filter.
3. Before making the last connection to the 3/8" water inlet line coming to the unit, flush the water line into a five-gallon pail to remove any silt or other materials that may be in the line.
4. Make the final connection and turn on water. All ThermaSol generators are equipped with an automatic water fill system. The water will stop after units are filled. **Make sure the Power Flush is in the closed position.**
5. The steam line can run up, down, or horizontal; **but cannot run down and then up.** If it does, a steam trap will be produced at the low point blocking the flow of steam. Insulate the steam outlet piping if the piping run exceeds 10 feet or is exposed to cold areas. **NOTE: Use steam rated insulation.**

IMPORTANT: MAXIMUM WATER PRESSURE not to exceed 70 P.S.I.

WARNING: The steam head is HOT! Do not locate near a seat or bench or directly below metallic fixtures such as knobs and faucets, hot steam will burn you. Keep at least 12-14 inches away from hot steam exiting the steam head.

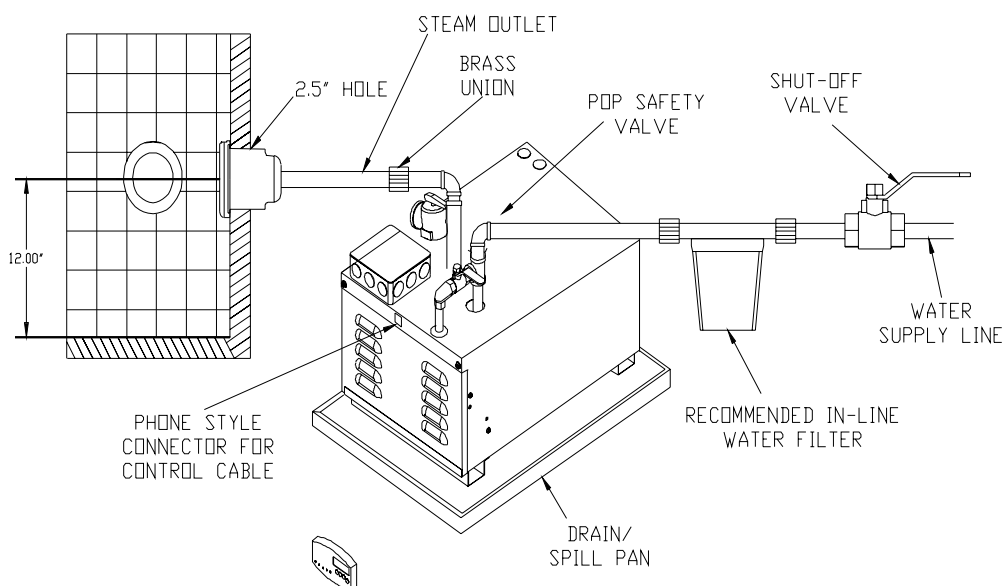


Figure 3

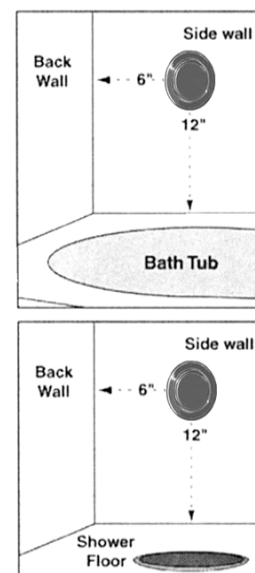


Figure 3a

NOTE: The generators must be mounted level with all connections on top.

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Instruction for No Touch steam head

(For Deluxe Steam head refer to its instructions)

Parts Enclosed

- No Touch Steam head

Steam head

Steam head housing

Material Needed

- Clear Silicone
- 1/2" Drop Elbow
- Other materials as required

Tools Needed

- 1" deep Socket and ratchet
- 2.5" hole cutting tool
- Silicone gun
- Other tools as required

Figure 4

1. Drill a 2.5" diameter hole in the shower wall or wall above the bathtub rim for the steam outlet line. (Figure 3A) CAUTION: The steam head is **hot** and should not be located near a seat or bench! We recommend locating it on the fixture wall.

**** Ensure that all Plumbing is Firmly Secure****

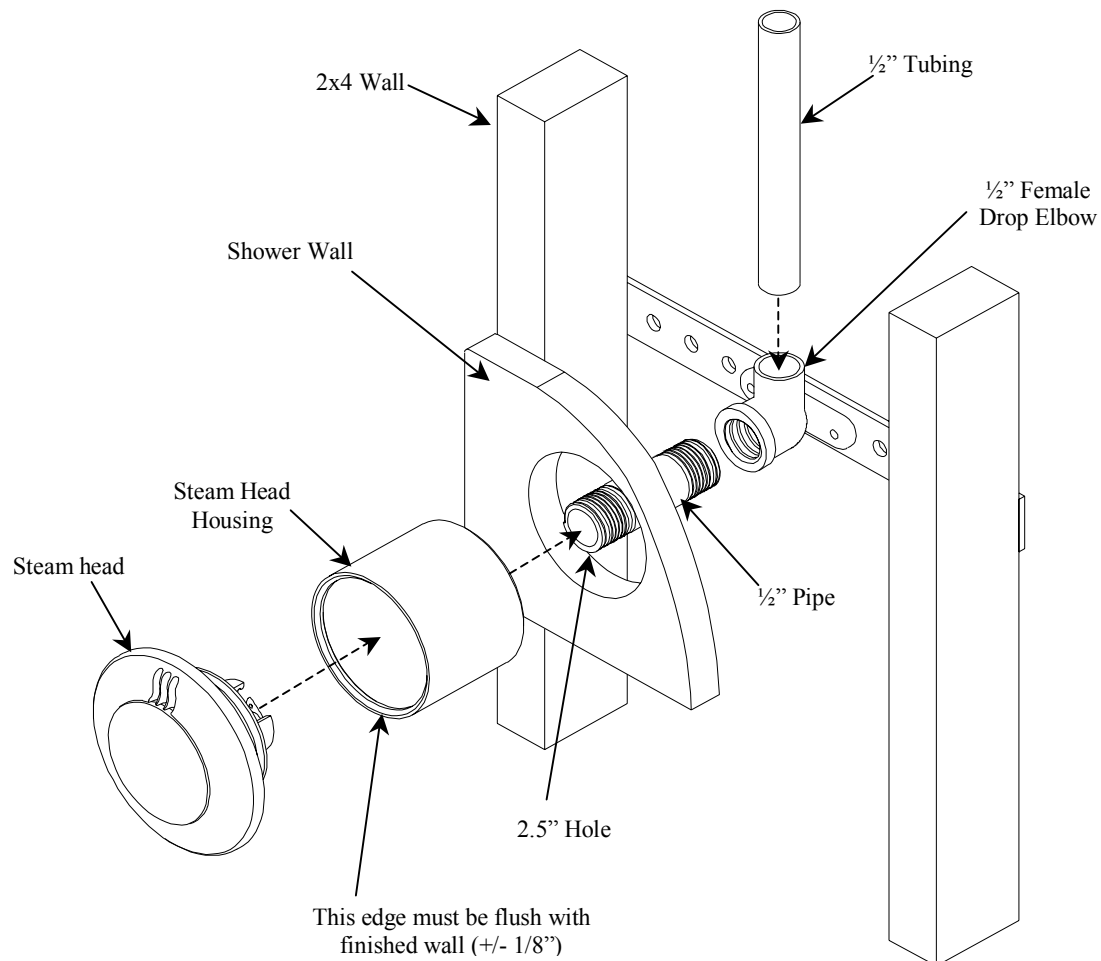


Figure 5

2. Connect a 1/2" NPT brass pipe or tubing to the steam outlet on the generator run the pipe to the 2.5" hole in wall to connect with the steam head housing, use figure 5 as a guide. **It is very important that the pipe is firmly secured to the wall, so that when the steam head is installed it doesn't push the housing back into the wall.** The steam line can run up, down, or horizontal; **but cannot run down and then up.** If it does, a steam trap may be produced at the low point blocking the flow of steam. Install a 1/2" drop elbow on the end of the 1/2" pipe for the steam head housing. For all the connections, use Teflon tape/solder and do not over tighten fittings. **DO NOT USE PVC CEMENT.**

3. Final Installation (steam head): When installing the steam head in to the housing be sure that the aromatherapy fill channels are facing upwards see figure 6 To ensure that no moisture gets behind the steam head and into the wall, place a generous bead of waterproof silicone around the steam head, use the machined groove as a guide. Be sure that within the housing there isn't any debris, and the two O-rings are in place on the steam head. Slide the steam head into the housing until the steam head is tight against the finished wall. You may need to wipe away any excess silicone. Use figure 4 as a reference to these steps.

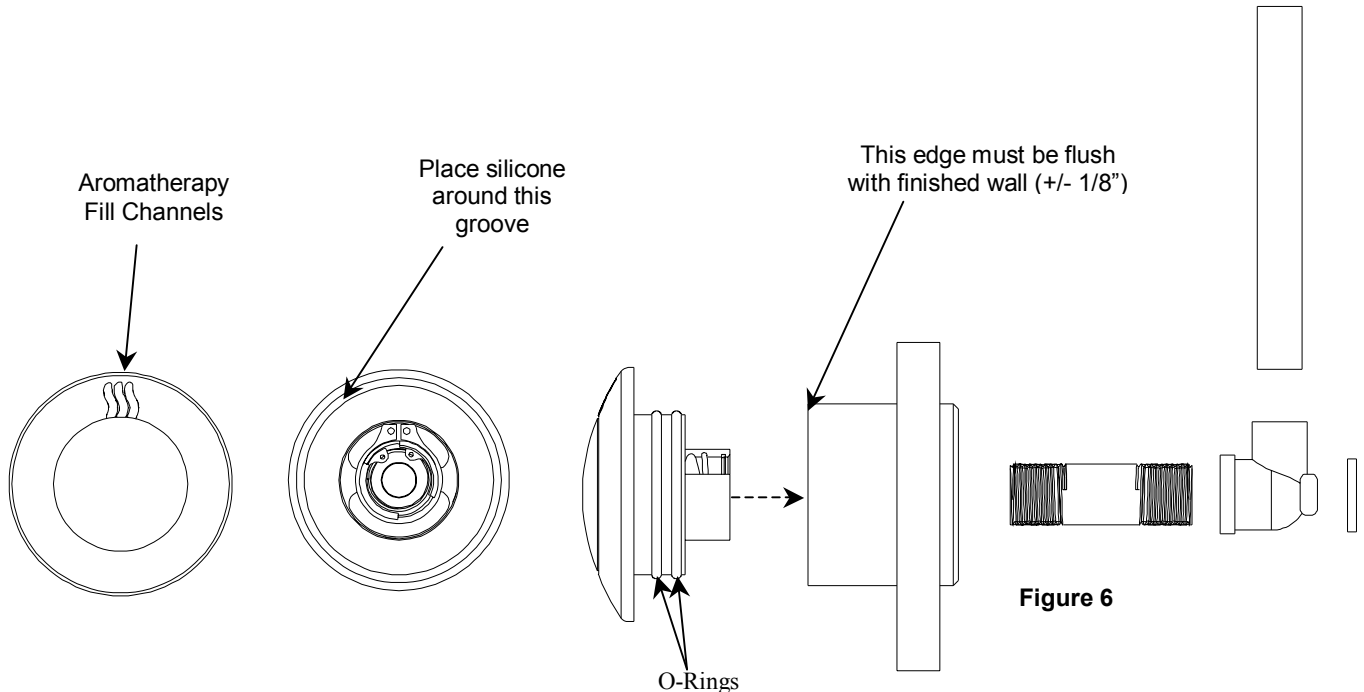


Figure 6

WARNING: Avoid contact with steam head! It will burn you! Avoid direct contact with the steam coming out of the steam head! It is extremely hot and will burn you! Never put Aroma oil in the steam head when the unit is in the on position, or when steam is emitting from the steam head.

Instruction for Deluxe steam head

Parts Enclosed

- Deluxe Steam head
- Escutcheon

Material Needed

- Clear Silicone

Tools Needed

- Pipe Wrench
- 7/8" cutting tool
- Silicone gun
- Other tools as required

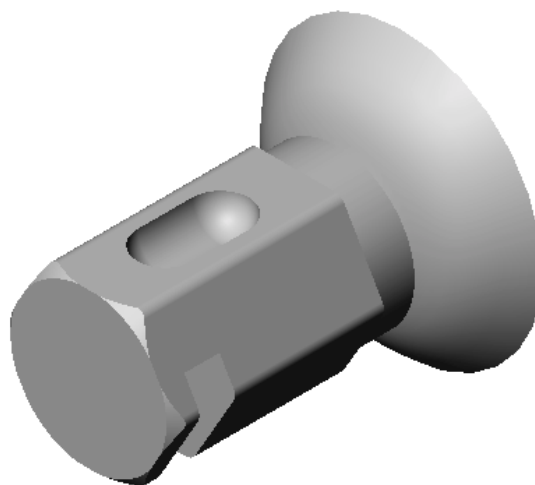


Figure 7

1. Drill a 7/8" diameter hole in the shower wall or wall above the bathtub for the steam outlet line. Refer to **figure 3A** as a guide for the proper location of the hole.
 - ◆ **CAUTION: The steam head is hot! And should not be located near a seat or bench!**
2. Connect 1/2" F.I.P. copper pipe or copper tubing and 1/2" brass union onto the steam outlet. Run a 1/2" copper pipe from the union to the 7/8" hole in wall. See **figure 8**.
3. Attach the steam head and escutcheon to the copper pipe. **CAUTION: Do not obstruct the steam line with any shut-off valves, plugs or caps. ALL ThermaSol steam generators are designed to build NO PRESSURE.**
 - ◆ The steam line can run up, down, or horizontal; **but cannot run down and then up**. If it does, a steam trap will be produced at the low point blocking the flow of steam. Insulate the steam outlet piping if the piping run exceeds 10 feet or is exposed to cold areas. **NOTE: Use steam rated insulation.**

****Avoid contact with steam head! It will burn you. Avoid direct contact with the steam coming out of the steam head! It is extremely hot! It will burn you!**

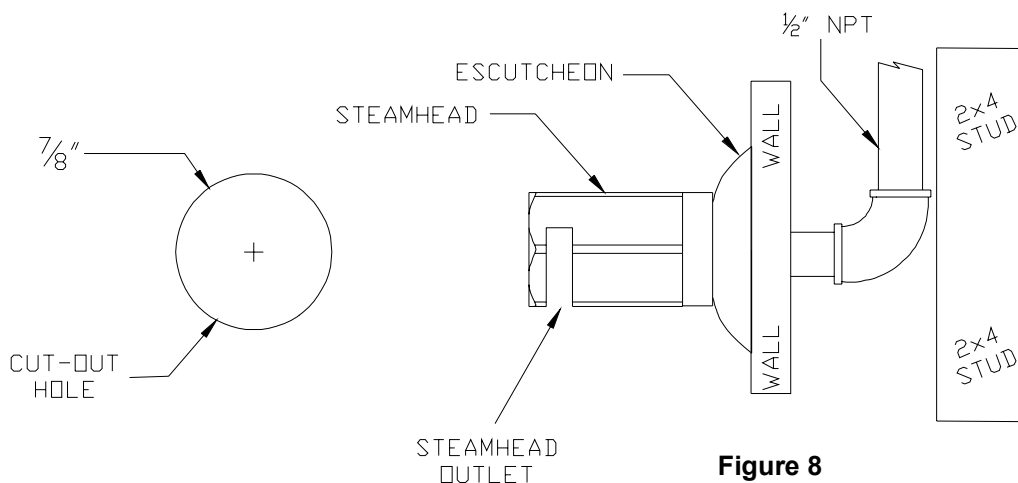


Figure 8

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Electrical Installation

NOTE: All electrical wiring must be done per National/Local Electrical Codes.

ThermaSol requires that a licensed electrician perform all electrical work.

NOTE: USE COPPER WIRE ONLY.

Wire sizes recommended by National Electric Code. Minimum wire temperature rating 95C.

Generator Model	Wire Gauge	Breaker Size	Cubic Feet	KW Total
SS-900	6 / 6	60 / 60	900	20
SS-1200	6 / 6	70 / 70	1200	24
SS-1500	4 / 4	90 / 90	1500	30

WARNING: Each generator should be wired to there own separate breaker.

1. Turn off all electricity to the working area at the main breaker panel!
2. Connect 230-volt AC electrical lines to wires labeled 1,2 (breaker one) and 3,4 (breaker two) in junction box on generator, (see figure 9). Do not install a GFI (Ground Fault Interrupter) to this machine, (per article 210-8 in the National Electrical Code). This will prevent tripping.

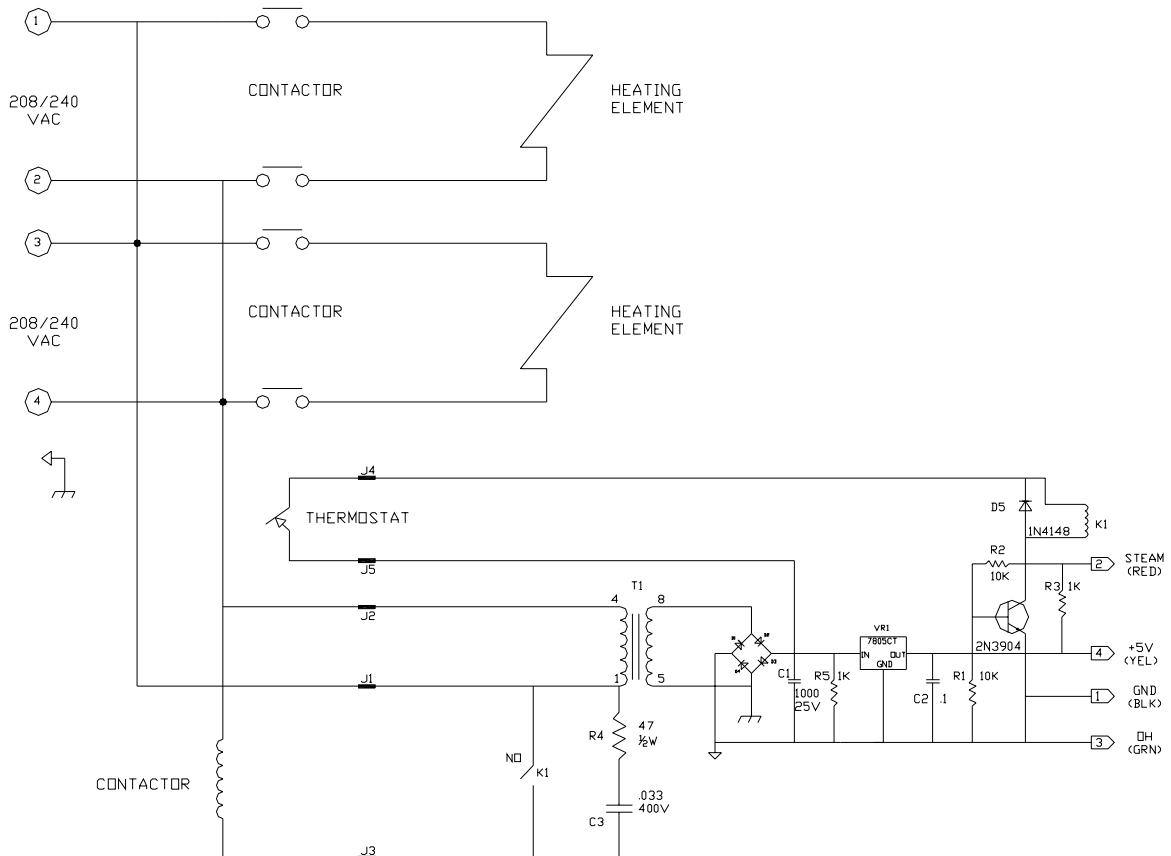


Figure 9
Steam Generator Schematic Diagram

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Installation instructions for the Elite Control

1. The Elite control **MUST** be located inside the shower area.
2. Position the control 4 to 6 feet from the floor inside the steam room. Drill one 1-¹/₁₆" hole in the wall.
3. Bring the control wire from the generator through the 1-¹/₁₆" hole. Carefully connect the wire to the coupler; connected to the wire coming from the control, **any damage to the control cable will result in the control not working properly. If the control is not installed immediately, protect the end connectors with tape or some other kind of shielding material.**
4. Carefully connect the other end of the lead wire to the generator before turning power on to the generator.
5. Turn on both water and power to the generator.
6. Test the control to ensure it is properly connected. If any technical problems arise, call toll free 800-776-0711.
7. **THESE STEPS MUST BE TAKEN OR YOUR WARRANTY WILL BE VOID.** Coat the entire control back with supplied waterproof silicon. Completely seal the control to the wall so moisture does not get behind it. Place the control on the wall pressing firmly. You may need to tape the control into place until the silicone dries. Be careful not to harm the wall/control with the tape. Refer to figure 10. **Let dry for 24 hours before using steam bath.**
8. Refer to operation instructions for control functions.

Failure to follow installation instructions specifically may cause the warranty to be void!

Coat with supplied waterproof silicon to completely seal the control to the wall and not allow moisture behind it.

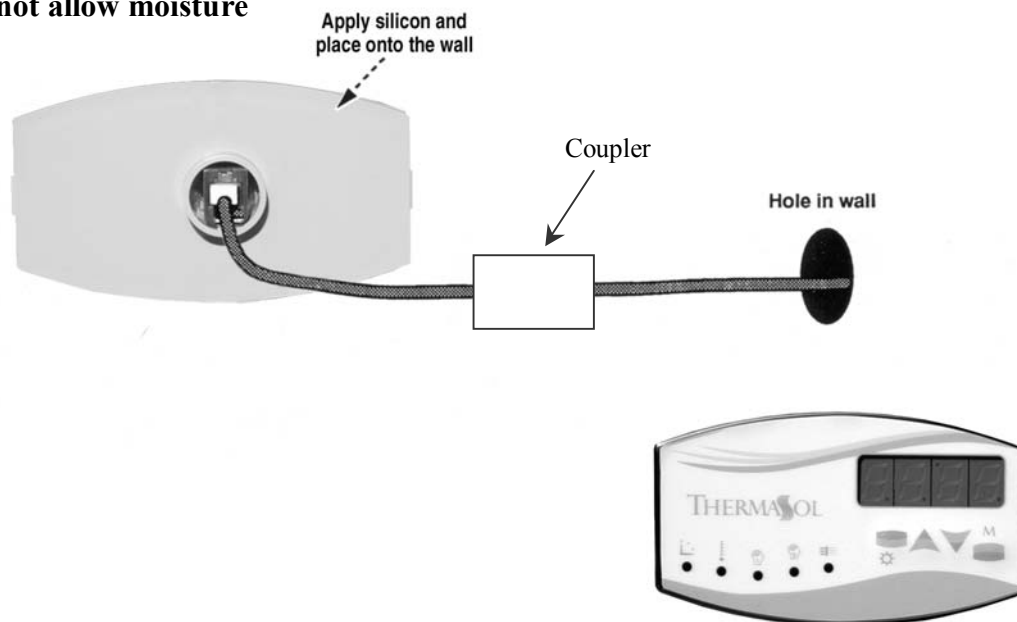


Figure 10

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