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GENERAL GUIDELINES FOR INSTALLING MR.STEAM STEAM BATH SYSTEMS

mr_steam



The directions detailed in this guideline are designed to familiarize the reader with a general understanding of the installation of a variety of Mr. Steam products.

For complete and important detailed Installation, Operation and Maintenance information, it is recommended that reference be made to the specific MrSteam[®] installation manual that accompanies each MrSteam product.

Any questions, feel free to contact MrSteam[®] at 1-800-76-Steam, hello@mrsteam.com or visit www.mrsteam.com

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LOCATING THE MR.STEAM® GENERATOR

Select a location as near as practical to the steam room. Typical locations include: closet, vanity cabinet, climate controlled attic or basement.



I. Locate steambath generator within 60 feet of steam room.

Note: The standard length of the cable for connecting the control to the steam generator is 30 feet. The steam generator and control must be located accordingly. A 30 foot cable is standard. Contact Mr.Steam to purchase an optional 60 ft. cable (PN 103990-60) for iTempo controls. A 60 foot cable is available for use with iSteam controls (PN 104117-60).

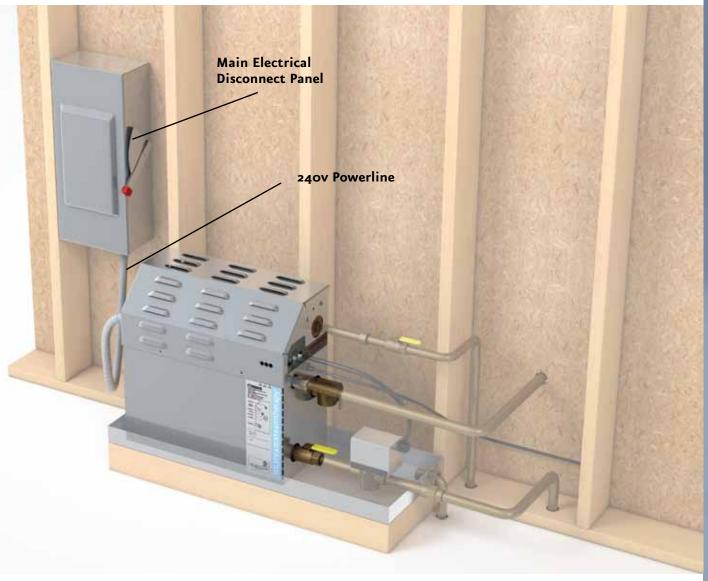
- 2. DO NOT install steambath generator inside steam room.
- 3. DO NOT install steambath generator outdoors or wherever environmental conditions may affect the safety and/or performance of the generator.
- 4. DO NOT install steambath generator or plumbing lines in unheated attic or any location where water could freeze.
- 5. DO NOT install steambath generator near flammable or corrosive materials or chemicals

For Illustrative purposes only. Consult with qualified designer, architect or contractor for steamroom construction details.

such as gasoline, paint thinners, or the like. Installation in areas having high concentrations of chlorine (such as pool equipment room) must be avoided.

- 6. Install steambath generator on a solid and level surface. Keyhole slots are provided for wall mounting. Insure the steam generator is properly secured and level when mounting with keyhole slots.
- 7. Install steambath generator in an upright position only.
- 8. Install a Pressure Reducing Valve to limit supply to 15-20 PSIG. MrSteam part number 104198.
- 9. Install anti-water hammer device as necessary.
- Provide a minimum of (12) inches at both ends and top of the steam generator or as required for servicing.

FIELD POWER SUPPLY CONNECTION



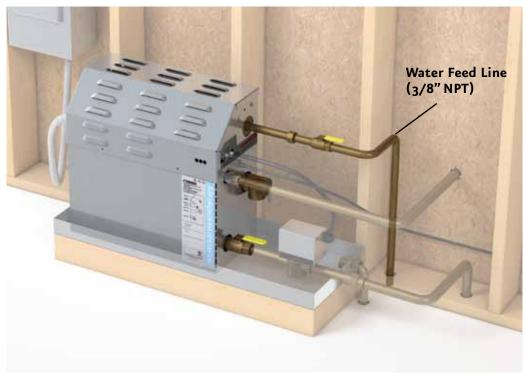
For Illustrative purposes only. Consult with qualified designer, architect or contractor for steamroom construction details.

Please refer to the wiring diagram in the Mr.Steam Installation Manual for complete wiring information.

TO AVOID EQUIPMENT DAMAGE DO NOT CONNECT POWER SUPPLY DIRECTLY TO ELEMENTS!!!

NOTE: For illustrative purposes only. Consult with qualified licensed electrician for electrical installation.

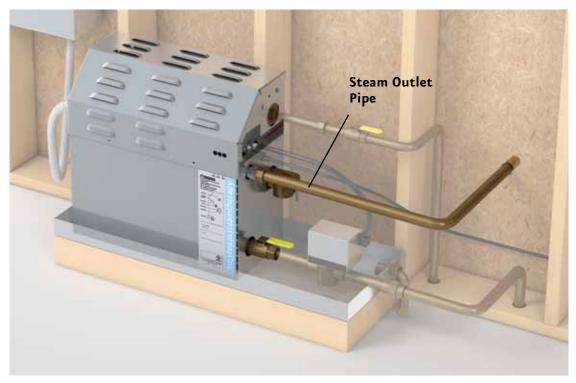
WATER FEED



For Illustrative purposes only. Consult with qualified designer, architect or contractor for steamroom construction details.

- I. Connect cold water line.
- 2. Provide a shut off valve, and a 1/2" copper or brass union on the water supply line, upstream of the steambath generator
- 3. Do not overheat inlet solenoid valve with solder connections. Overheating will damage parts.
- 4. Flush inlet water line thoroughly before making connection to unit.
- 5. Strainer recommended upstream of feed water connection.
- 6. For best performance water pressure should be 15 to 20 PSIG. Reduce pressure as required if necessary. MrSteam part number 104198.
- 7. Provide anti-water hammer device as required.
- 8. As required by local codes, install an approved backflow preventer.
- 9. Do not use PEX or PVC tubing.

STEAM OUTLET PIPE



For Illustrative purposes only. Consult with qualified designer, architect or contractor for steamroom construction details.

Steam Outlet (½'' NPT)

- I. Please provide a 1/2" copper or brass union on steam line.
- 2. Use $\frac{1}{2}$ -inch brass pipe or rigid copper tubing from unit to steam head as permitted by codes.
- 3. Insulate steam line using pipe insulation rated 250° F or higher (for example Fiberglass).
- 4. Pitch steam line $\frac{1}{4}$ " per foot towards steam head or steam generator to avoid valleys and trapping of condensate.

NOTE: Running the steam line down and then up will create a steam trap blocking the flow of steam.

NOTE: A 1.5" hole in the steamroom is required to mount the steamhead or 12 1/8" \times 5/8" for Residential Linear steamhead Part#104216.

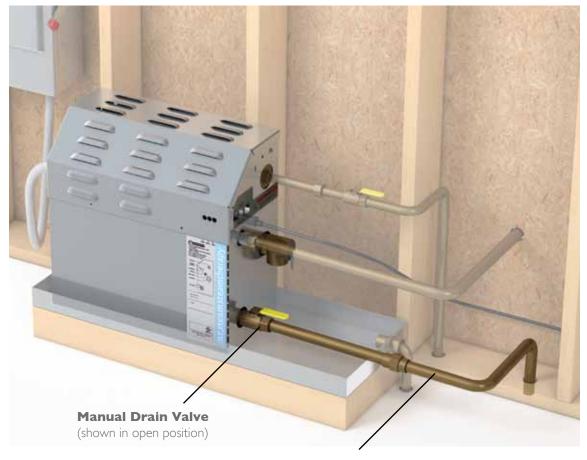
MANUAL DRAIN LINE

Drain (¹/2'' NPT)

NOTE: A drain valve is provided to facilitate servicing. Provide a drain line connection from steambath generator drain valve according to National and local Codes. Check local plumbing code for receptor, trap and vent requirements.

Unit drains by gravity.

1/2" copper or brass union needed.



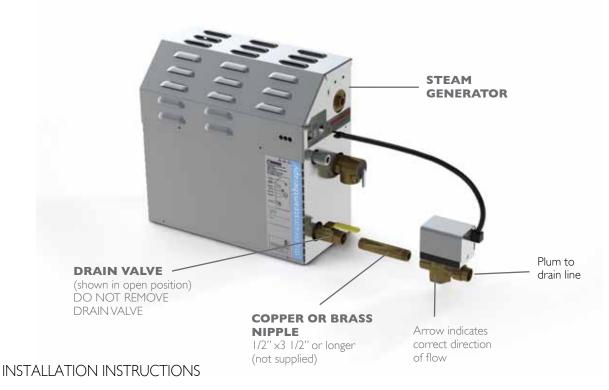
Pitch as required for gravity drain

OPTIONAL AUTOFLUSH

OPERATION

The optional AutoFlush System feature automatically drains the Mr.Steam[®] system following each use. A time delay allows the water to cool down (about two hours) before it drains by gravity for a safe and gentle operation.

NOTE: If the Express Steam option has been installed, the AutoFlush will drain for ten minutes then refill with fresh water to begin the pre-heat cycle.



I. Plumbing to be performed by a qualified plumber and shall be in accordance with applicable national and local codes. Unit drains by gravity. A drain line that is lower than the AutoFlush assembly must be available. The AutoFlush System valve outlet is '2'' NPT. Check plumbing code for receptor, trap and vent requirements.

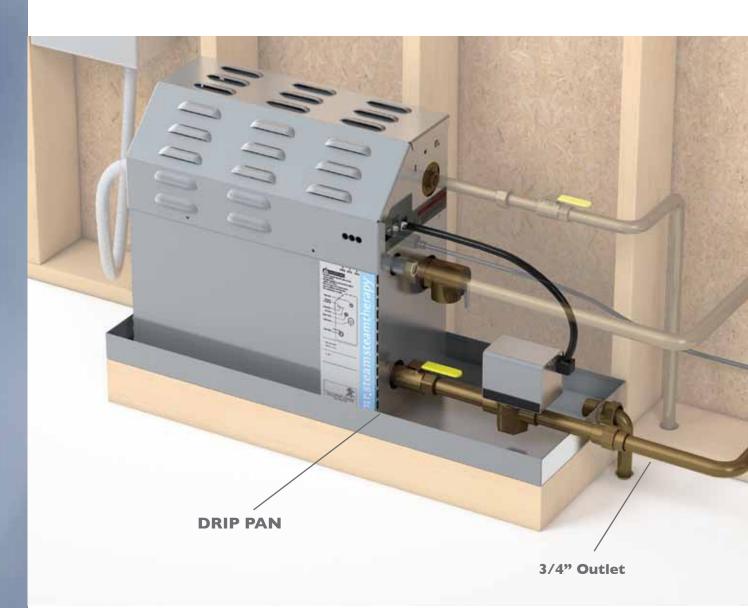
- 2. Use copper or brass nipple $\frac{1}{2}$ " NPT x 3 $\frac{1}{2}$ " or longer (not supplied) to connect AutoFlush valve to the Drain Valve. An arrow on the bottom of the AutoFlush indicates the direction of flow.
- 1/2" Copper or Brass union needed after Autoflush.

AutoFlush Shown Fully Assembled

CAUTION PROVIDE DRAIN PLUMBING ACCORDING TO LOCAL CODES. PLUMB AS REQUIRED FOR AUTOFLUSH SYSTEM.

DRIP PAN

PN 103867



EXPRESS STEAM

(only available factory installed)

Suitable for all MS Models.

Express steam is equipped with a low power heating element and thermostat to keep the water in the tank warm enough to bring up steam quicker.

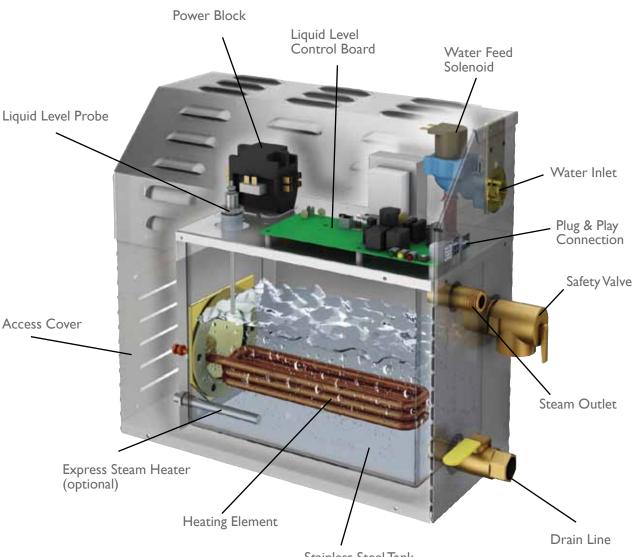
All express steam components and wiring are installed at the factory.

No additional wiring or plumbing is required by installers.



GENERATOR SCHEMATIC

MS SUPER 2E shown



Stainless Steel Tank

TANDEM STEAM GENERATOR INSTALLATION

(MS Super 4E, 5E & 6E)



ISTEAM CONTROL INSTALLATION











Diagram 3

Install the iSteam Control according to the installation and operation instructions supplied with the Control. Failure to do so may result in an inoperative control and a hazardous condition.

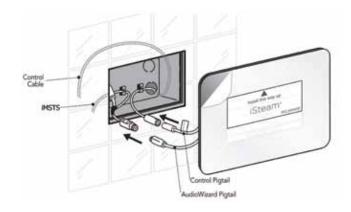
1. PLUG the 30' control cable into the iSteam 2.0 control pigtail. The iSteam 2.0 pigtail is the longer cable with the ID Tag.

2. If the optional AudioWizard[™] is used, plug blue pigtail cable into the AudioWizard cable.

3. If using iMSTS, plug iMSTS into blue pigtail in the back of the iSteam control, then plug blue Audio cable into iMSTS.

4. Remove protective strip and add a bead of silicone around the housein of the iSteam control. (Diagram 2)

5. Carefully guide cables within wall housing, then place iSteam control into final position (Diagram 3)



CAUTION Do not force or twist cable ends together. Forcing or twisting cable ends may damage the connectors.

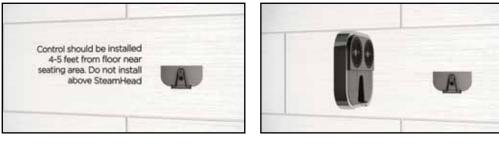
AIRTEMPO SURFACE MOUNT INSTALLATION

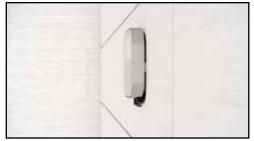
Step I

Determine the desired installation location of the control. The AirTempo controls are designed to be installed inside or outside the steam room as a matter of personal preference. If the control is installed outside the steam room a Remote Temperature Probe part number MSTS must be installed inside the steam room. See Remote Temperature Sensor (page 17).

Step 2

- Remove the surface mount bayonet from the back of the AirTempo Control.
- Remove and discard the release paper to expose the adhesive liner.
- Ensure the mounting surface is clean and dry.
- Place the bayonet on the wall in the desired location (on veritcal wall 4-5 feet above the floor near the bather seating area)



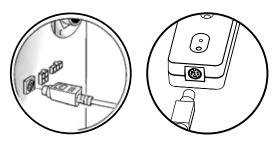




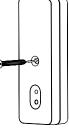
For Illustrative purposes only. Consult with qualified designer, architect or contractor for steamroom construction details.

WIRELESS RECEIVER INSTALLATION

The control can be located up to 60 feet from the wireless receiver. Construction materials may affect the communication between the control and the receiver. Test the range of the AirTempo. It may be necessary to change the location of the wireless receiver to improve the range. Contact MrSteam technical service for an optional 30 or 60 foot cable. Using the 3 foot cable provided, plug one end into the steam bath generator and the other end into the AirTempo.







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AIRTEMPO FLUSH MOUNT INSTALLATION



Step I

• Remove the surface mount bayonet from the back of the AirTempo control. The surface mount bayonet is not used when flush mounting.

Step 2: Remove outside ring from AirTempo control. NOTE: Be careful not to drop controller when ring pops off

Step 3

• Using the template provided, cut the hole in the desired location. Do not oversize or undersize the cutout. Ensure the template is level before cutting the hole.

• Test fit the flush mount box to ensure the hole is the corre size.

- Ensure the mounting surface is clean and dry.
- Apply a thin bead of silicone in the location shown as required to create a moisture seal.
- Remove and discard the release paper to expose the adhesive liner.

IMPORTANT NOTE: Flush mount components are sold separately (104232RD & 104232SQ). Contact a MrSteam representative if a flush mount kit is needed.











ITEMPO[®] OR ITEMPO/PLUS[®] CONTROL INSTALLATION

IMPORTANT: Turn power to the steam generator OFF before installing the control. Failure to turn the power off will result in an inoperable control.

I. Firmly connect the control cable to the control.

Turn on power to the steam generator and test the control to verify correct connections. Test per instructions. Proceed with installation and verification of proper control function.

- 2. Remove & discard peel-off paper to expose adhesive liner.
- 3. Run a bead of silicone on reverse side edge of iTempo control (silicone provided).
- 4. Insure the mounting surface is clean and dry as required for good adhesion. Apply silicone into the hole in the wall as required to create a moisture seal. Hold the control with the LED display in the 12 o'clock position and press the control against the wall until the adhesive sticks and holds firmly as shown above.







LOCATING THE ISTEAM[®], ITEMPO[®], ITEMPO/PLUS[®], & AIRTEMPO CONTROLS





For Illustrative purposes only. Consult with qualified designer, architect or contractor for steamroom construction details.

Locate control where it will sense general room temperature and NOT direct steam emission from the steam head.

Controls installed inside the steam room must be located:

- 4-5 feet above the floor near the bather seating area
- On a vertical wall

Refer to the Mr.Steam iTempo, AirTempo, and iSteam Installation Manuals for complete control installation information.





REMOTE TEMPERATURE SENSOR

Locating Controls Outside the Steam Room by Using Remote Temperature Sensor



MSTS Remote Temperature Sensor

Locate the RemoteTemperature Sensor (MSTS) where it will sense general room temperature and NOT direct steam emission from the steam head.

Refer to the Mr.Steam Installation manual for additional control installation information.

INSTALLING A REMOTE TEMPERATURE PROBE

The Remote Temperature Probe is required when a steam control is installed outside the steam room.

I. The Probe must be installed:
a. On a vertical surface
b. 4-5 feet above the Floor
Locate the Probe in a location representative of the desired
steambathing temperatures. Do not locate the probe above or near the steam head or direct steam emissions. The probe has an integral 20 ft. cable. Ensure that the probe and iSteam
control are located accordingly.

2. Drill a 1/4 inch hole in the wall. Do not oversize or undersize the hole. Clean area thoroughly.

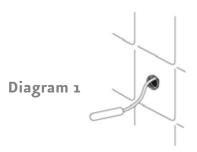
3. Route the end of the temperature probe cable with the temperature probe through the wall into the steam room as shown in Diagram 1.

IMPORTANT NOTE: Do not strain, staple, pinch or otherwise damage the probe cable.

4. With a minimal length of the cable exposed apply silicone (provided) to the hole in the wall as required to create a moisture seal as shown in Diagram 2.

5. Push the Remote Temperature Probe into hole as required to leave between 1/4"- 1/2" of the probe. Exposed as shown in Diagram 3

6. Insure a minimum of 1/4" of the probe is exposed to the air. Failure to do so may result in an inoperative control and a hazardous condition. The exposed area of the probe must be free of silicone or any materials that prevent direct exposure to the steam room air. Failure to do so may interfere with the ability to sense temperature and may result in excessive steam room temperatures



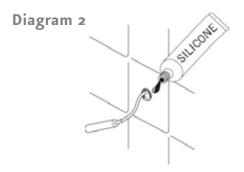
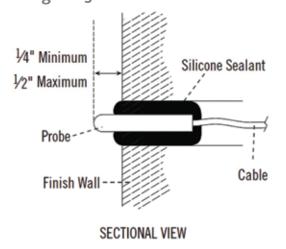
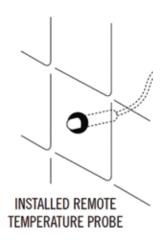


Diagram 3





CONNECTING THE CONTROL CABLE TO THE STEAM GENERATOR

Route the control cable (provided with the control) from the wall cutout to the steam generator.

IMPORTANT: Do not strain, staple, pinch or otherwise damage the control cable. Route cable as required to permit replacement.

The 30' (and optional 60') control cable features identical Mini-Din connectors at both ends.

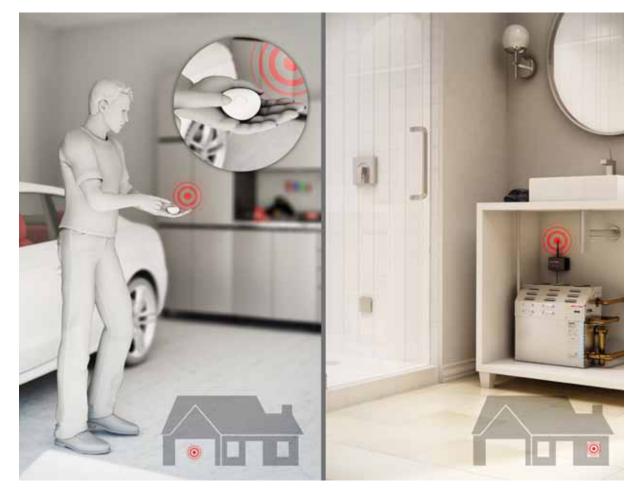
Note: The standard length of the cable for connecting the control to the steam generator is 30 feet. The steam generator and control must be located accordingly. A 30 foot cable is standard. Contact Mr.Steam to purchase an optional 60 ft. cable (PN 103990-60) for iTempo controls. A 60 foot cable is available for use with iSteam controls ((PN 104117-60).



IGENIE[®] REMOTE CONTROL

- The iGenie is a water resistant remote control with color indicating status ring and magnetic docking port.
- Activate your steam shower from anywhere in the home Wirelessly. Initiates preheat of steam shower up to 100 feet away.
- Penetrates walls! Radio Frequency activated.
- Easy One-Touch connection.
- Comes standard with interface module.
- Can be easily connected with any Mr.Steam[®] Bath Generator (No upgrade required).





AROMASTEAM[™] SYSTEM



AromaSteam SYSTEM

Electronic Oil delivery system evenly infuses aroma into steam for an aromatherapy experience. Complete with in-shower control, oil container caddy, hoses, fittings and oil atomizer.

AromaSteam Essential oils are available in one-liter bottles. Not for use with acrylic or fiberglass rooms.

Locate Aroma steam system in an easily accessible location so as to monitor the consumption of essential oils and for easy replacement.

NOTE: CABLES SHOULD NOT CONTACT STEAM PIPE.

For Illustrative purposes only. Consult with qualified designer, architect or contractor for steamroom construction details.

AROMASTEAM[™] STEAMHEAD AND OPTIONAL ACRYLIC SHIELD INSTALLATION

Step 1 Attach Locating Nipple to steam line.



Step 2 Provide a 1 ½" hole in finished wall to mount the steamhead.





For Illustrative purposes only. Consult with qualified designer, architect or contractor for steamroom construction details.



Step 3 Remove Locating Nipple and attach steam head, with nipple sized for the finished wall thickness.

NOTE: Steamhead to be installed 6-12" above the finished floor. A 1.5" diameter hole in the steam room is required to mount the steamhead. Refer to the Mr.Steam Installation Manual for additional installation information.

The Acrylic Shield (PN 103938SQ or PN 103938) is for use when acrylic or other non-heat resistant materials are used for the steamroom enclosure.

LINEAR STEAMHEAD INSTALLATION

NOTE: Steamhead to be installed 6-12" above the finished floor. A 1.5" diameter hole in the steam room is required to mount the steamhead. Refer to the Mr.Steam Installation Manual for additional installation information.

• Do not locate the steam head in any location where the steam emission zone is near a seat, bench, or any space occupied by any persons. (See Fig. I) for a diagram of the steam emission zone.

• Determine the location of the finished wall surface. Mount the steam head between two studs using the four slotted holes to position thesteam head face to be flush or extend 1/8'' from the finished wall surface.

• Use a level to ensure the steam head is level in both the horizontal and vertical positions (see Fig.2) and the steam head face is flush or extend 1/8" from the finished wall surface. Install the four screws in the mounting holes to secure the steamhead.

• After the finished wall surface has been installed use high temperature caulking around the steam outlet as required to make a water proof seal. (see Fig.3)

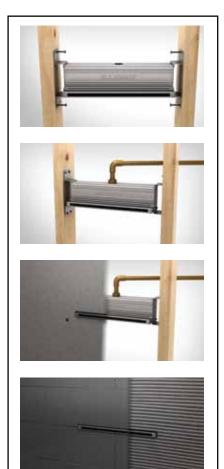


Figure I (STEAM) EMISSION Steam head Generator SteamModel Emission ZoneMS90 -MS400 18"CT6, CT9 lo o STEAM EMISSION ZONE 18"SUPER I – SUPER3 24"CT12, CT24 24 6"-12" above floor Steam Room Interior Copper Tubing or Brass Pipe (not provided) Threaded Adaptor or Thread Plug as required (not provided) mr.steam Figure 2 Steam¹Outlet · 14¹/8" - 14¹/2" Figure 3 STUD Œ Cement Board Ð Thin Set æ Finished Wall Surface

Flush to ¹/8"

Silicone — Steam Outlet Face Silicone —

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USING ESSENTIAL OILS WITH THE AROMASTEAM[™] STEAMHEAD

Enjoy essential oils by placing a drop or two, into your steamhead as shown in the illustration.

CAUTION: Use essential oils with caution. Essential oils are for external use only. Keep out of reach of children. Essential oils are highly concentrated and are potent substances and should not be applied directly to the skin as they can be irritants. Use essential oils with caution.

CAUTION: Place the drops into the Mr.Steam AromaSteam steamhead well prior to turning on the steambath. Do not place drops in a hot steam head as SERIOUS INJURY CAN RESULT IF YOU DO NOT FOLLOW THIS WARNING.

CAUTION: Start with one drop to gauge strength and suitability. Limit to a maximum of a few drops during a steambathing session.

CAUTION: Some people may find that the aroma makes them dizzy and the user should exit the steam bath IMMEDIATELY. If skin irritation occurs stop using the oils immediately. Remove any excess oil by washing in mild soap and water. If ingested, rinse mouth with water. Administer water or milk to dilute. Contact a physician immediately.

CAUTION: Essential oils and/or aromatherapy can cause inflammation, burns, headache, nausea and allergic reactions. Consult a physician before using aromatherapy.

Tightly close containers when storing oils.

Keep away from sources of ignition.

CHROMASTEAM INSTALLATION

I. Determine the placement of the light.

Do not install the fixture assembly (light) where direct contact with steam or water emission could occur. Do not install the light in a location where it could become submerged.

2 .The light requires a 41/4''diameter hole for mounting.

3. Provide electrical service (120VAC) with flexible cable only. Pass cable through ceiling opening and wire fixture in accordance with NEC and local electrical code.

DO NOT install the wall switch in the steam room. The switch must be installed in a location and manner described in the NEC and local electric codes. Do not use a dimmer switch to control the ChromaSteam Lights.

4. Route the 30 foot cable supplied with the Chroma Steam from your steam bath generator through one of the knockouts in the ChromaSteam light wiring box. Provide a suitable strain relief bushing.

IMPORTANT NOTE: The quick connect tabs should be on the generator side, the Molex connector should be routed to the light, see figure2.

5. Connect the quick connect tabs to the control board in the generator at the location marked CHROMA, see figure 4.

6. Remove the red jumper wireshown in figure3 and discard. Connect the wire from the steam generator to the connector where the jumper was.

7.Connect the supply wires per the wiring diagram shown on page4. Use suitable wirenuts (not included) to insulate and secure the supply connections.

8.Connect copper ground wire from wiring box to ground wire from electrical service using a wire nut to secure the connection.

9.Use the support adjustment screw shown to provide support for the housing on the inside surface of the ceiling when installed.

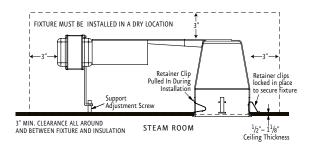
10.With the clips folded into the fixture as shown in figure 1 insert the wired housing into the ceiling junction box first as shown in figure2.

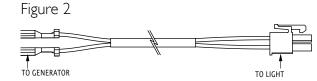
NOTE: for mood lighting only.

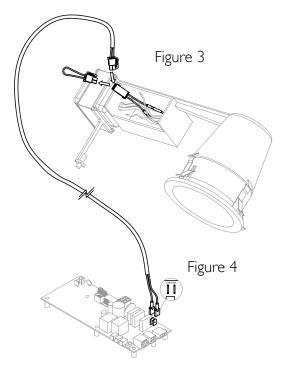
The ChromaSteam System is not a substitute for general illumination. Consultation with architect, designer and/or contractor on room design and construction is strongly recommended.



Figure I







AUDIOWIZARD INSTALLATION

Mr. Steam's Audio Wizard offers fully integrated audio control inside the steam room and/or shower. With the integrated Blue Tooth Audio Streaming System, the Audio Wizard can pair up to eight devices and four in-shower speakers.



INSTALLATION

I) Locate the AudioWizard. The AudioWizard control cable is 30ft and the power cord is 6ft, ensure the control and AudioWizard are located accordingly. Locate in a dry location where the wireless signal will not be interrupted.

CAUTION: ELECTRIC SHOCK HAZARD!

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. DO NOT install AudioWizard in the steam room or any location where it may become wet. 2) Test Bluetooth® signal before mounting AudioWizard.

3) The AudioWizard can be mounted on a vertical surface or placed on a horizontal surface.

4) Install AW Control Cable Route the AudioWizard control cable from the AudioWizard to the desired control location.

5) Connect the Control to AudioWizard® The AudioWizard must be connected to either the

For Illustrative purposes only. Consult with qualified designer, architect or contractor for steamroom construction details.

iSteam Control[®] or the AW Control. AudioWizard is supplied with a 30 ft. cable that has 6-pin minidin male connectors on each end.

If using an iSteam control see the iSteam Control IOM for complete details on locating and installing the iSteam control.

SPEAKER INSTALLATION

MS-Speakers

- Two flush-mount two-way speakers for steam/shower use, polypropylene cones, ABS frames with grills.
- Suitable for almost any source of audio input.
- Rated 60W peak power 8 ohms impedance with 1" tweeter for full range sound.
- \bullet Use only CL2 or CL3 UL listed wires to connect speakers to audio source.
- \bullet Available in Round (5 1/2 inch) and Square (7 inch) in both white and black designs.









SHOWER SEAT

MS-Seat

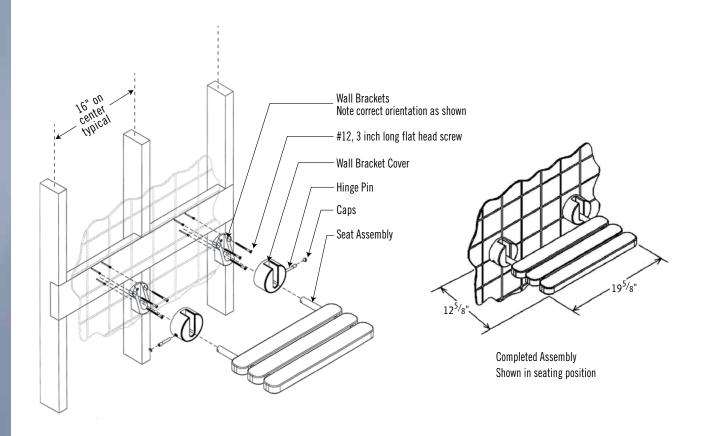
Teak wood, seat drops for use, folds for storage Dimensions: $19\frac{5}{8}" \times 12\frac{5}{8}" \times 14\frac{1}{4}"$

Max 250 lbs. rated

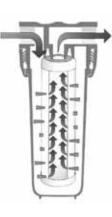
Polished Chrome brackets

Seat comes in PC, BN, and ORB





CHLORINE FILTER INSTALLATION



IMPORTANT NOTE:

For best performance, water pressure to the steam generator should be 15 to20 psig.

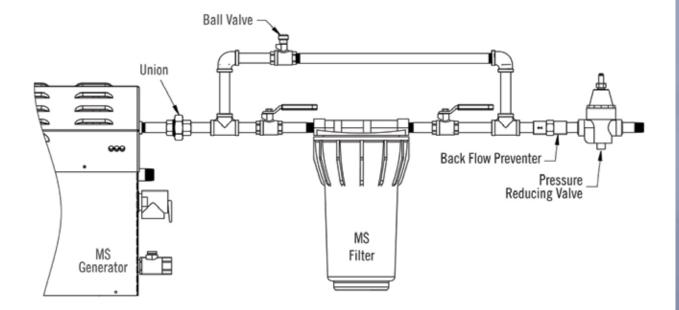
•All plumbing shall be done in accordance with local and national plumbing codes.

•Turn-off water supply before installation or service.

•Use the supplied wall bracket to prevent excessive loading on the steam generator.

•Connect the supply plumbing to the side marked with the ''IN arrow'' and the outlet plumbing to the side with the ''OUT arrow''.





CAUTION

• Do not expose to excessive cold or heat (40°F min to 113°F max)

•Maximum pressure of 116 psi, use a pressure reducer as required



MRSTEAM®

A leader and innovator in steam shower systems, spa products and experiences for residential and commercial use. MrSteam offers the highest quality products, affordable pricing, top class warranties and unmatched customer service.

CONTACT US

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Or write to us at hello@mrsteam.com

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