



Installation, Operation and Maintenance Manual

# Linear Steam Head

Residential Model: 104480

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**IMPORTANT:** Leave this material with the homeowner.

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**READ ME FIRST!** As you follow these instructions, you will notice **CAUTION** and **NOTICE** symbols. This information is important for the proper, safe and trouble free installation of the Linear Steam Head. These are types of potential hazards that may occur if installation instructions are not carefully followed:

**CAUTION** This signals a situation where injury or property damage may occur if you do not follow instructions.

**NOTICE** This highlights information that is especially relevant to a problem free installation.

All information in these instructions is based on the latest information available at the time of publication. MrSteam reserves the right to make changes at any time without notice.

**CAUTION** The following general information should be used in conjunction with consultations with a qualified architect, designer and contractor in determining factors necessary in providing a suitable and safe steam room.

**CAUTION** This document contains important safety, operation and maintenance information. After installation leave these instructions with the homeowner. Do not discard this instructions. Failure to leave the instructions with the homeowner may result in property damage or personal injury.

**CAUTION** Use one or more Linear Steam Heads for MrSteam steam generator models MS90 – MS400 and MSSUPER1–MSSUPER3, SAH3000-SAH6000.

**CAUTION** Use two or more Linear Steam Heads for MrSteam steam generators Models MX4, MX5 and MX6. Failure to use two or more steam heads may result in steam head operation where incidental contact by the bather with direct steam emission may occur. Failure to use two or more steam heads may result in a leak within the wall cavity and cause problems associated with leaks, moisture and property damage from leaks. Failure to use two or more steam heads may result in a hazardous condition, scalding or personal injury.

**CAUTION** Do not use Linear Steam Head for any MrSteam steam generator that is not one of the following models: MS90 –MS400, MSSUPER1–MSSUPER3, SAH3000-SAH6000 or MX4 –MX6. Failure to follow these instructions may result in a leak within the wall cavity and cause problems associated with leaks, moisture and property damage from leaks. Failure to follow these instructions may result in a hazardous condition, scalding or personal injury.

**CAUTION** Do not use the Linear Steam Head with any steam system that is not a MrSteam steam system. Failure to follow these instructions may result in a leak within the wall cavity and cause problems associated with leaks, moisture and property damage from leaks. Failure to follow these instructions may result in a hazardous condition, scalding or personal injury.

**CAUTION** Because the steam head and direct steam emission are very hot, locate the steam head(s) where incidental contact by the user with the steam head(s) or direct steam emission cannot occur. Do not locate the steam head(s) in any location where the steam emission zone is

near a seat, bench or any space occupied by any persons. Failure to following these directions may result in a hazardous condition, scalding or personal injury.

**CAUTION** Linear Steam Heads are for residential use only. Do not use any Linear Steam Heads for commercial installations or with commercial steam generators (including Day Spas). Using Linear Steam Heads for commercial installations or installations with commercial steam generators may result in a leak within the wall cavity and cause problems associated with leaks, moisture and property damage from leaks. Using Linear Steam Heads for commercial installations or installations with commercial steam generators may result in a hazardous condition, scalding or personal injury.

**CAUTION** Do not use the Linear Steam Head with any steam system that includes equipment or devices not supplied by MrSteam, including but not limited to water softeners. Failure to follow these instructions may result in a leak within the wall cavity and cause problems associated with leaks, moisture and property damage from leaks. Failure to follow these instructions may result in a hazardous condition, scalding or personal injury.

**CAUTION** Only install the linear steam head in a horizontal orientation as shown in fig 3. Failure to follow these instructions may result in a leak within the wall cavity and cause problems associated with leaks, moisture and property damage from leaks. Failure to follow these instructions may result in a hazardous condition, scalding or personal injury.

**CAUTION** Insulate the linear steam head and piping as required to prevent elevated temperatures, including within the wall cavity. Do not locate the steam head or plumbing near any materials, including wiring, devices, or products that may be adversely affected by elevated temperatures. Check with the manufacturer of materials, wiring, devices, or products for suitability for operation at elevated temperatures. Use only insulation rated for 212F or higher steam applications. Failure to follow these instructions may result in the damage or failure of materials, wiring, devices, or products. Failure to follow these instructions may result in leaks, and cause problems associated with leaks, moisture and property damage from leaks. Failure to follow these instructions may result in a hazardous condition, scalding or personal injury.

**⚠ CAUTION** Steambath controls feature an integral or remote temperature sensor that senses room temperature. Install the linear steam head in a location where steam emission will not come in direct contact with the control or remote temperature sensor. Failure to follow these instructions may result in poor temperature control, a hazardous condition, scalding or personal injury.

**⚠ CAUTION** Only use the supplied high temperature silicone sealant as required to create a permanent moisture seal. Do not seal the steam head with grout or any other material. Failure to follow these instructions may result in leaks, and cause problems associated with leaks, moisture and property damage from leaks.

**⚠ CAUTION** The linear steam head must be installed by a qualified and licensed plumber. Failure to use a qualified and licensed plumber may result in a leak within the wall cavity and cause problems associated with leaks, moisture and property damage from leaks. Failure to follow these instructions may result in elevated temperatures, a hazardous condition, scalding or personal injury.

**⚠ CAUTION** Do not use black iron, galvanized, or plastic pipe for the steam line. Use only properly rated brass pipe or copper tubing in accordance with national and local plumbing codes. Using any piping material other than properly rated brass or copper piping may cause linear steam head damage and problems associated with leaks, moisture and property damage from leaks or steam.

**⚠ CAUTION** Plumb rigid copper tubing or brass pipe from the steam generator to the linear steam head. Plumbing must not form traps or valleys. Failure to follow these instructions may result in leaks, and cause problems associated with leaks, moisture and property damage from leaks. Failure to follow these instructions may result in a hazardous condition, scalding or personal injury.

**⚠ CAUTION** Do not modify or alter the linear steam head. Do not cover, block or insert any product that is not a MrSteam supplied linear steam head accessory with the linear steam head. Failure to follow these instructions may result in a leak within the wall cavity and cause problems associated with leaks, moisture and property damage from leaks. Failure to follow these instructions may result in a hazardous condition, scalding or personal injury.

**⚠ CAUTION** Do not disassemble the steam head. The steam head is shipped fully assembled and requires no additional assembly. Failure to follow these instructions may result in a leak within the wall cavity and cause problems associated with leaks, moisture and property damage from leaks.

**⚠ CAUTION** Before installing the linear steam head, read and follow the Installation and Operation Manual(s) provided with all system components ( generator, controls,

accessories...etc.). If the installation and operation manuals are not available go to [www.mrsteam.com](http://www.mrsteam.com) for an online copy, or contact MrSteam Customer or Technical Services at 800-767-8326 or 800-727-8326 for free copies. Failure to read and follow all the Installation and Operation Manuals may result in a leak within the wall cavity and cause problems associated with leaks, moisture and property damage from leaks. Failure to follow these instructions may result in inoperable system components, a hazardous condition, scalding or personal injury.

**⚠ CAUTION** Consult with the manufacturer of any non-heat resistant enclosures for elevated temperatures, steam, moisture compatibility or for suitability for use with steam. Failure to follow these instructions may result in the damage or failure of materials or products. Failure to follow these instructions may result in leaks, and cause problems associated with leaks, moisture and property damage from leaks. Failure to follow these instructions may result in a hazardous condition, scalding or personal injury.

**⚠ CAUTION** Do not install a Linear Steam Head in an acrylic/fiberglass tub or shower enclosure. Failure to follow these directions may cause problems associated with leaks, moisture and property damage from leaks. Failure to follow these instructions may result in elevated temperatures, a hazardous condition, scalding or personal injury.

**⚠ CAUTION** Do not locate the steam head where steam, elevated temperatures, moisture or water can contact any products, wall surfaces, materials, door seals, devices, electronics that are not designed for use with steam, elevated temperatures, moisture or water. Failure to follow these instructions may result in damage or improper operation of the products, wall surfaces, materials, door seals, devices or electronics.

**⚠ CAUTION** The optional diverter reduces the steam emission zone by redirecting steam up the wall above the steam head (see page 6). Installation of the diverter may result in the following:

- Changes to the steam distribution in the room
  - Increase of the temperature of the wall and devices above the steam head
  - Surface condensation patterns on the walls and ceiling
- Always test the diverter to insure proper safety, installation and comfort.

**NOTICE** Carefully inspect the Linear Steamhead and packaging for shipping damage. In the event of shipping damage, please contact the carrier for claim information. Our customer service department can assist you with product replacement.

**NOTICE** Do not use abrasive cleansers or chemicals to clean the linear steam head. Use only water with mild soap and a non-abrasive sponge. The use of abrasive cleansers or chemicals will damage the finish on the linear steam head.

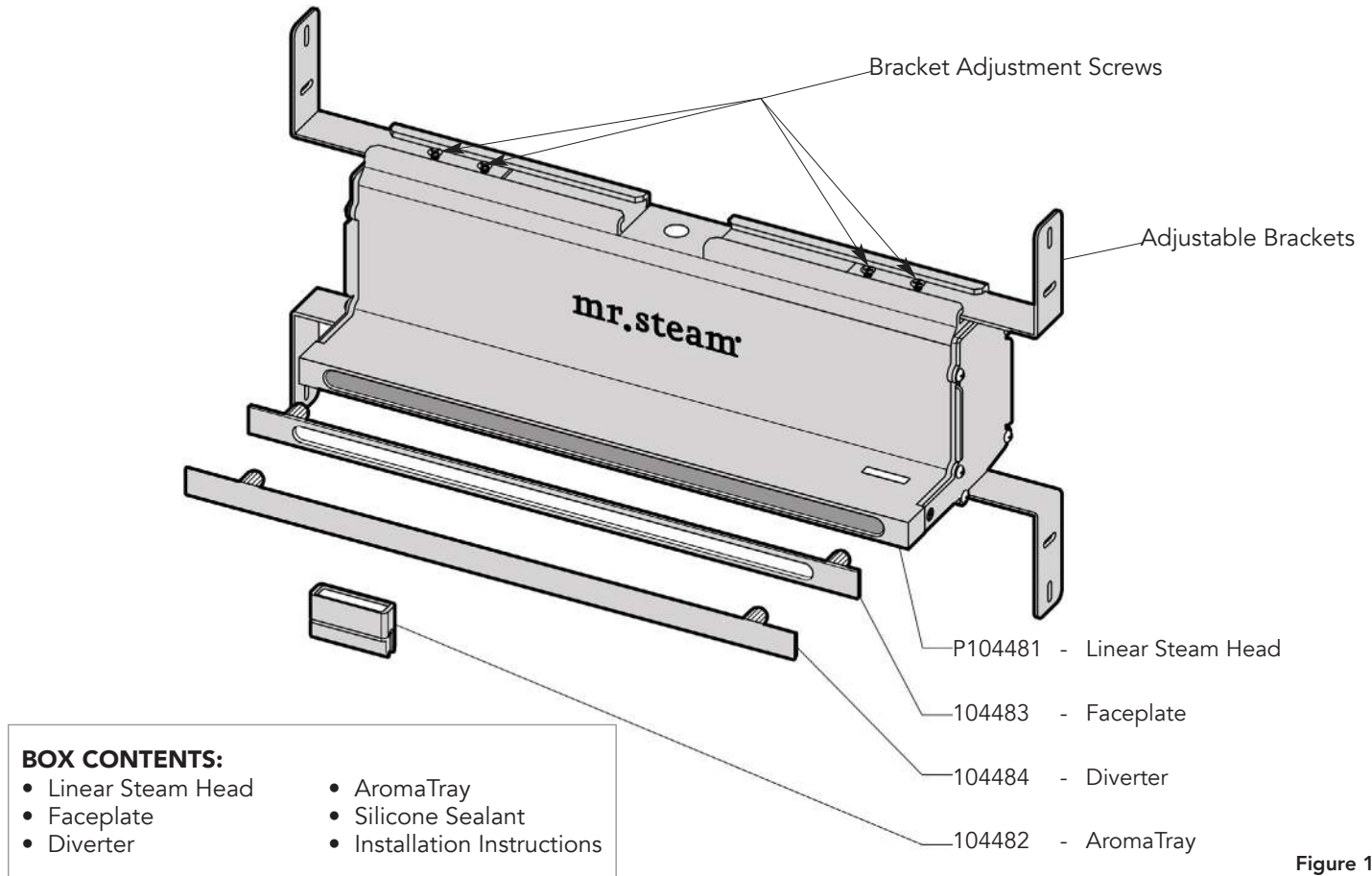


Figure 1

## Dimensional Information

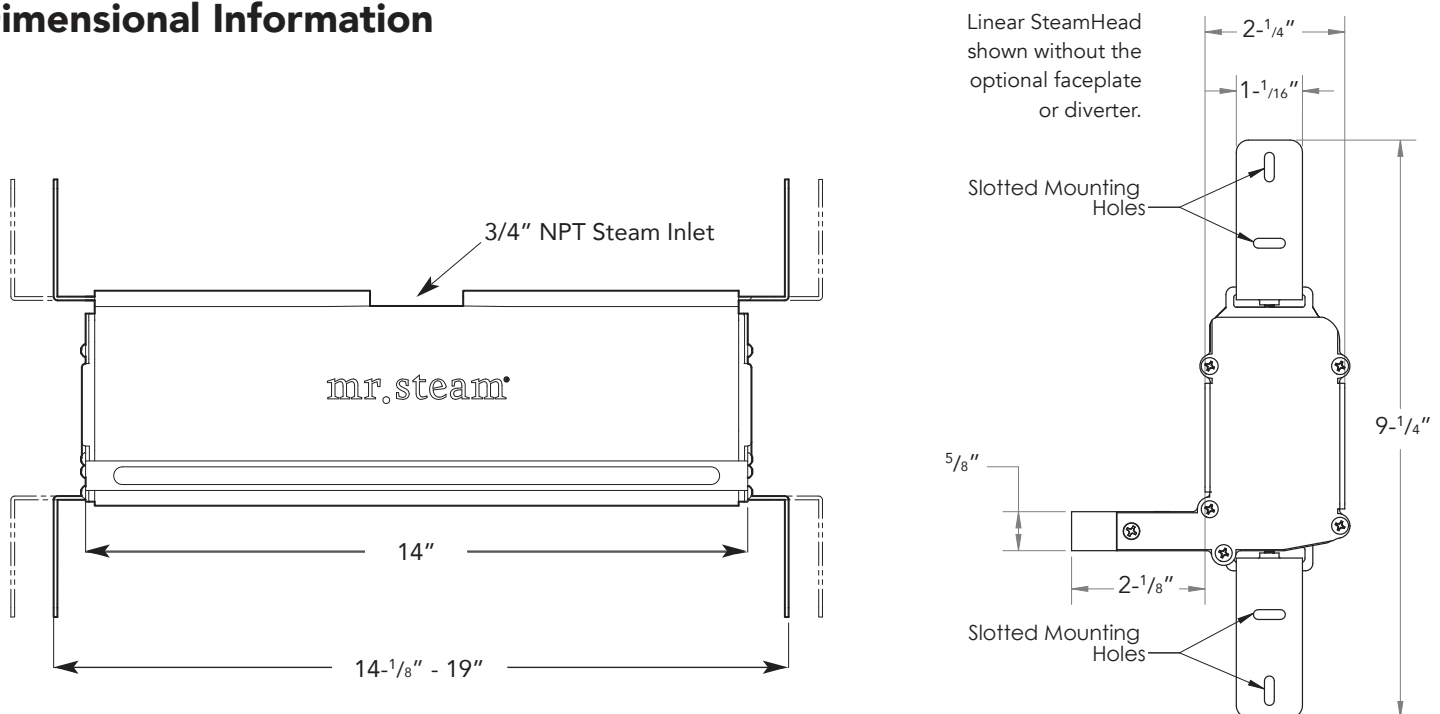


Figure 2

**NOTE:** Drawings are for illustrative purposes only. Consult with qualified designer, architect or contractor for steam room construction.

### Steam Head Installation

Linear SteamHead shown without the optional faceplate or diverter.

**STEP 1.** Confirm proper stud spacing: The studs must have a minimum spacing of 14-1/8" and a maximum spacing 19". If the stud spacing is outside the required range then shim or otherwise reposition the studs as required.

**CAUTION** Installing the steam head between incorrectly spaced studs may result in damage to the steam head and result in a leak within the wall cavity and cause property damage.

**STEP 2.** Locate the steam head 6-12" above the finished floor. Locate the steam head where a steam bather can not come into contact with direct steam emissions. See page 6 for information on the steam emission zone.

**CAUTION** Steam is hot. Locate the steam head where a steam bather can not come into contact with direct steam emissions. Failure to follow these directions may result in a hazardous condition, scalding or personal injury.

**STEP 3.** Position the steam head between 2 properly spaced studs. Extend the adjustable brackets as required so the steam head fits snugly between two studs. Use a level to ensure the steam head is level (see Fig. 3). Tighten the eight bracket adjustment screws (supplied).

**STEP 4.** If the optional decorative faceplate is used, see the installation instructions for the optional faceplate on page 5. If the optional decorative faceplate is not used, position the steam head so that the steam head face will be flush with the finished wall face (see Fig. 4).

**STEP 5.** With the stem head properly positioned, with or without a decorative faceplate, provide eight screws as required to securely mount the steam head brackets to the studs.

**CAUTION** Failure to position the steam head face as instructed may result in improper steam head alignment, or a leak within the wall cavity and cause problems associated with leaks, moisture and property damage from leaks.

**STEP 6.** Plumb rigid copper tubing or brass pipe from the steam generator to the steam head. Use a 3/4" NPT fitting appropriate for the steam piping used. Plumbing must not form traps or valleys. Thread sealant must be used as required to ensure a leak free joint between the piping and steam head.

**STEP 7.** Before continuing or closing the wall, test the installation, piping and steam head for leaks, traps, position, steam emission zone and for general proper installation.

**CAUTION** Failure to test the steam head installation may result in leaks, and cause problems associated with leaks, moisture and property damage from leaks.

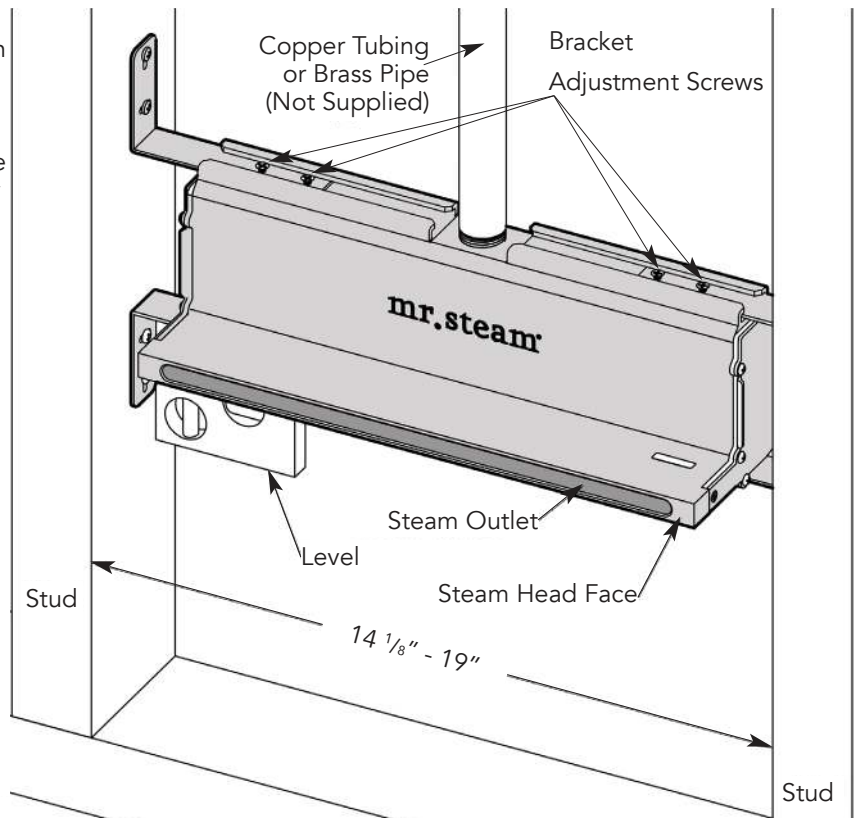


Figure 3

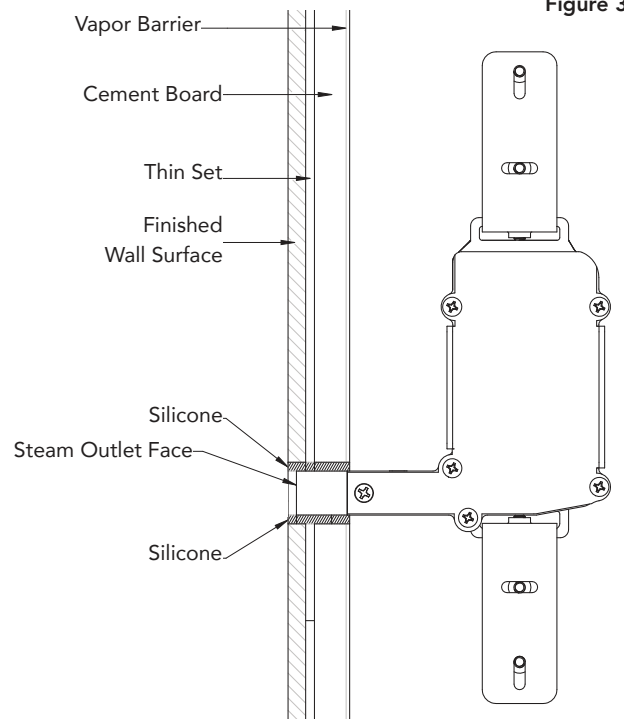


Figure 4



## Optional Faceplate Installation

The steam head is supplied with an optional faceplate. It is not required for the functional operation of the steam head. The faceplate is a decorative accessory and is available in (8) finishes.

An optional Escutcheon (remodel plate) is available for purchase, it's larger than faceplate and is available in (8) finishes.

In **STEP 4**, instead of positioning the steam head face to be flush with the finished wall face, position the steam head so that the steam head face will be 1/8" recessed with the finished wall (see Fig. 4). This will provide clearance for the faceplate.

Apply silicone to the front of Linear Steam Head and firmly press the faceplate against the face of the steam head. Secure the faceplate as required until the silicone sets.

Return to **STEP 5** on page 4 to complete the installation.

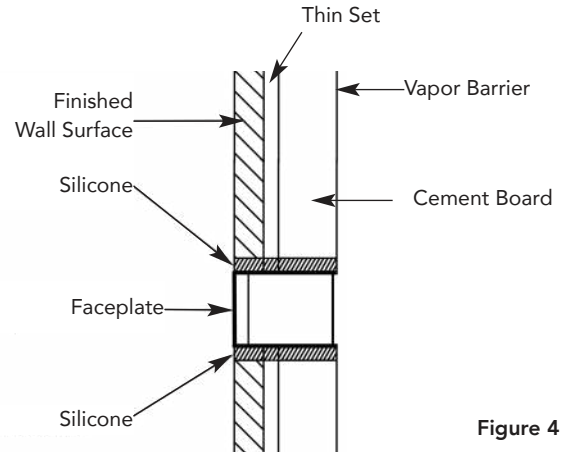


Figure 4

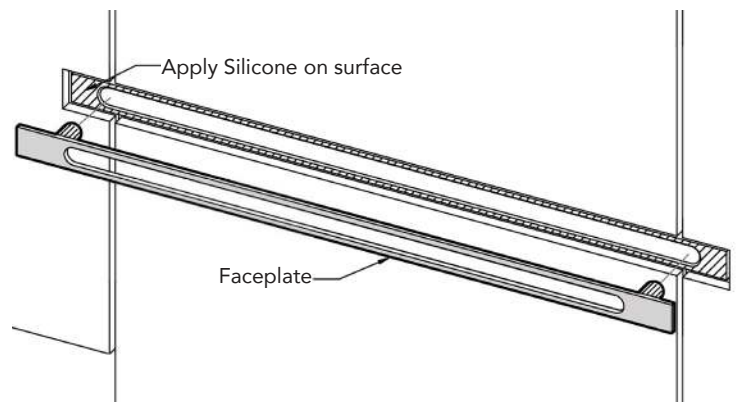


Figure 5

1. Determine the desired installation location of the control.  
The iSteam®, iTempo™ and iTempo/Plus™ controls are designed to be installed inside or out-side the steam room as a matter of personal preference. If the control is installed inside the steam room the control must be located:  
2. 4-5 feet above the floor near the bather seating area

### CAUTION

3. The control features an integral temperature sensor. Locate the control in a location representative of the desired steambathing temperatures.  
Do not locate the control above or near the steam head or direct steam emissions.
4. On a vertical wall  
The control cable length is 30 feet. Insure that the control and/or steam generator are located accordingly. An optional

60 foot cable is available, PN 103990-60 for iTempo and PN 104117-60 for iSteam. Contact a MrSteam technical service representative if a 60 foot cable is required.

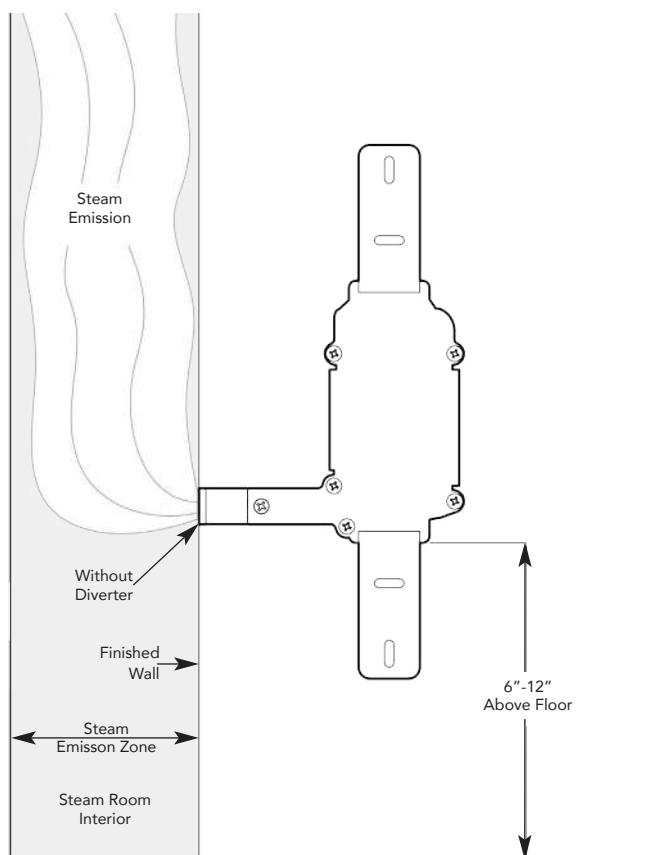
**IMPORTANT NOTE:** If the control is installed outside the steamroom a Remote Temperature Probe Part Number MST5 must be installed inside the steam room, depending on the control. Insure MrSteam steam generator is iSteam or iTempo compatible and has a serial number 900000 or higher. If iSteam is used with a generator having serial number less than 1174000, contact MrSteam technical support for an upgraded PC board.

See instructions for the MST5 Temperature Probe (located in the Control Installation Manual related to your specific control package) before rough-in or installation of control.

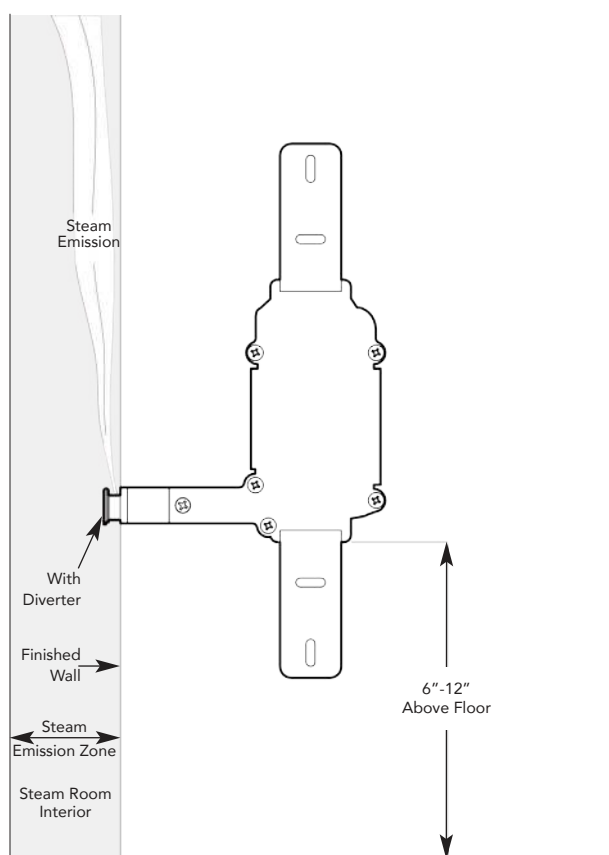
## Steam Emission Zone

The Steam Emission Zone is the area in front of the steam head that contains dense, hot steam as it exits the steam head. Steam dissipates as it moves away from the steam head, and becomes less hot. The steam zone is the area where contact with steam presents a scalding hazard. The steam head must be installed in a location to ensure that a steam bather will not be near the steam emission zone. The diverter reduces the steam emission zone.

**Steam Head without Optional Diverter**



**Steam Head with Optional Diverter**



Generator Model	Minimum # of Linear Steam Heads	Steam Emission Zone with Diverter	Steam Emission Zone without Diverter
MS90-MS400 SAH3000-SAH6000	1	2"	10"
Super1-Super3	1	2"	24"
MX4-MX6	2	2"	24"

**CAUTION** The steam emission zone may vary with each installation. Always test the steam emission zone to insure safety.

**NOTE:** Drawings are for illustrative purposes only. Consult with qualified designer, architect or contractor for steam room construction.



## Diverter

The Linear SteamHead is supplied with an optional steam diverter. The steam diverter is used to reduce the steam emission zone as required to avoid contact between a steam bather and direct steam emissions.

Supplied steam diverter does not have decorative finish. Steam diverters with decorative finish are available for purchase.

**CAUTION** Always use the diverter if any steam bather may come into contact with direct steam emissions. Contact MrSteam if a replacement diverter is required. Failure to use a diverter to reduce the steam emission zone as required to avoid contact between a steam bather and direct steam emissions may cause personal injury.

**CAUTION** Because direct steam is very hot, the diverter will be hot during the steam session, and will remain hot for a period of time after steam session. Never install, remove or adjust a diverter when the steam head is hot or if steam generator is turned on. Installing, removing or adjusting the diverter when the steam head is hot or if the steam generator is turned on may cause a burn hazard and personal injury.

**CAUTION** The optional diverter reduces the steam emission zone by redirecting steam up the wall above the steam head ( see page 6 ). Installation of the diverter may result in the following:

- Changes to the steam distribution in the room
- Increase of the temperature of the wall and devices above the steam head
- Surface condensation patterns on the walls and ceiling

Always test the diverter to insure proper safety, installation and comfort.

**STEP 1.** Securely press the two rubber extensions into the opening of Linear Steam Head and push in firmly until the diverter is securely in place. (see Fig. 7).

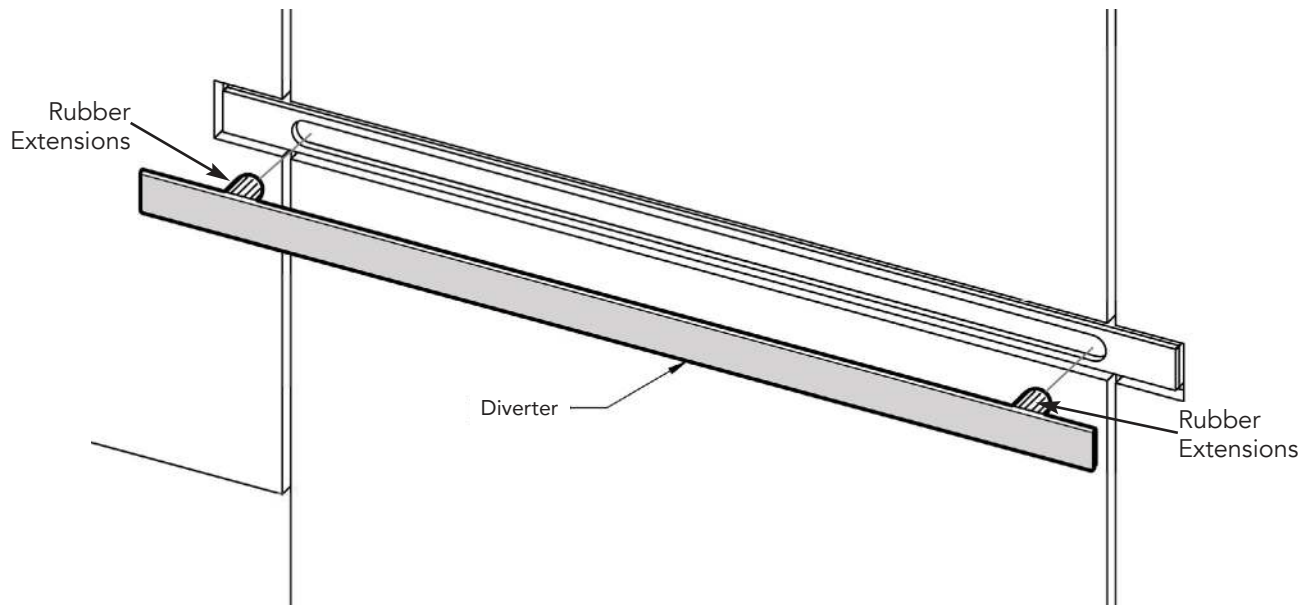


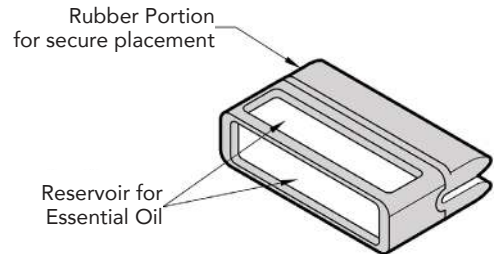
Figure 7

## AromaTray

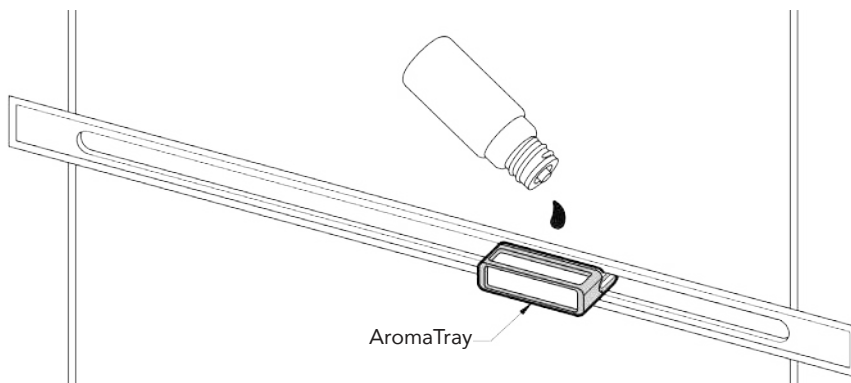
The AromaTray is for use with MrSteam Essential Oils. Place a few drops of Essential Oils in the AromaTray as shown to provide a fragrant steam bath experience. Read the instructions provided with the MrSteam Essential oils to insure a pleasant and safe aromatic steam bathing experience.

**CAUTION** Steam emissions, the linear steam head and AromaTray will all be hot during a steam bath session, and will remain hot for a period of time after the steam bath session. To avoid contact with the steam head and steam emissions, never install the AromaTray during a steam bath session or for a period of time after the steam bath session. Touching the AromaTray during a steam bath session, or for a period of time after the steam bath session, may result in burns, scalding or personal injury.

**CAUTION** Failure to first read the instructions provided with the MrSteam Essential oils may result in personal injury. If you do not have the instructions provided with the MrSteam Essential oils please call MrSteam customer or technical at 80076STEAM for a free copy, or go online at [www.mrsteam.com](http://www.mrsteam.com).



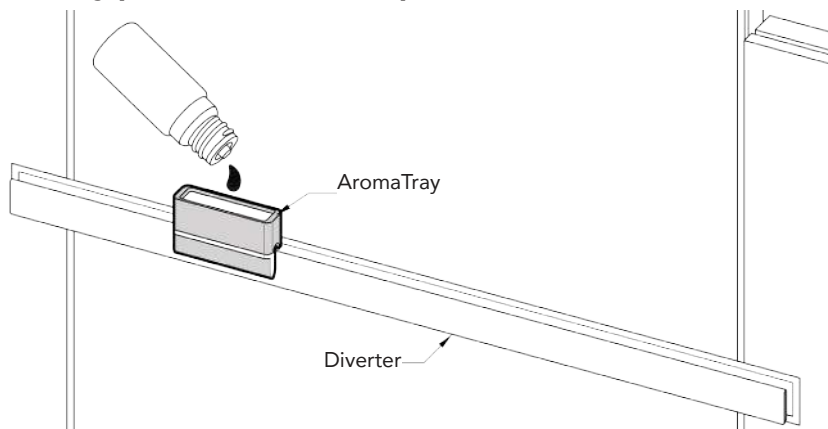
### AromaTray placement with the steam head or optional face plate



Firmly insert the rubber portion of the AromaTray into the steam outlet of Linear Steam Head with the oil reservoir facing up. Place a drop or two of AromaSteam essential oil in AromaTray. (see fig. 8)

Figure 8

### AromaTray placement with the optional diverter



If a diverter is being used, firmly insert the rubber portion of the AromaTray onto the diverter with the oil reservoir facing up. Place a drop or two of AromaSteam essential oil in AromaTray. (see fig. 9)

Figure 9

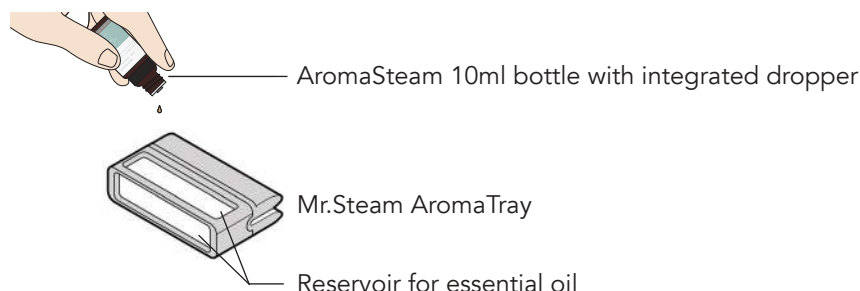
**NOTE:** Drawings are for illustrative purposes only. Consult with qualified designer, architect or contractor for steam room construction.

Enjoy Mr.Steam essential oils by placing a drop or two, into your Mr.Steam AromaTray as shown in the illustration. Only use Mr.Steam essential oils in a Mr.Steam AromaTray. Contact a MrSteam customer or technical Service representative for essential oil Manufacturer Safety Data Sheets ( MSDS ).

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

**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 AromaTray recess prior to turning on the steambath. Do not place drops in a hot steamhead as serious injury can result if you do not follow this warning.



**CAUTION** Some people may find that the aroma makes them dizzy. In the event of dizziness, the user should exit the steambath immediately and breathe in fresh air. If skin irritation occurs stop using the oils right away. Remove any excess oil by washing in mild soap and water

**CAUTION** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If ingested, rinse mouth with water. Administer water or milk to dilute. Contact a physician immediately. Tightly close containers when storing oils. Keep away from sources of ignition.

## WARRANTY

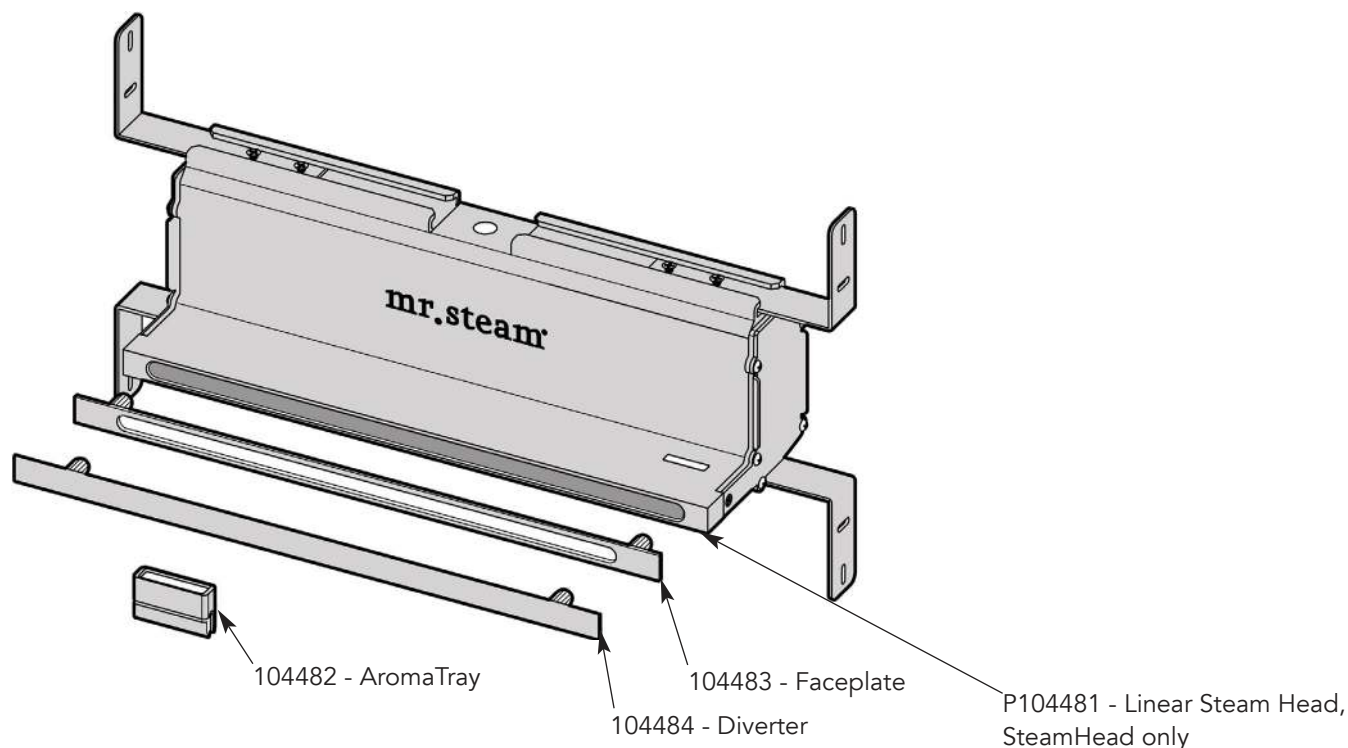
To view or download the MrSteam Residential Generator Warranty and register your product go to: **[blog.mrsteam.com/wr](http://blog.mrsteam.com/wr)**

For Installation assistance please call Customer or Technical support:

East Coast 1-800-767-8326 West Coast 1-800-727-8326

To view an installation video please go to: [www.mrsteam.com](http://www.mrsteam.com). This video is for added visual assistance only.

Do not install the Linear Steam Head using the video. Use only these installation instructions for a safe and problem free installation.



## Replacement Parts

Part Number	Description
104482BB	AromaTray for LSH, Brush Bronze
104482BN	AromaTray for LSH, Brush Nickel
104482MB	AromaTray for LSH, Matte Black
104482ORB	AromaTray for LSH, Oil Rubbed Bronze
104482PB	AromaTray for LSH, Polish Brass
104482PC	AromaTray for LSH, Polish Chrome
104482PN	AromaTray for LSH, Polish Nickel
104482SB	AromaTray for LSH, Satin Brass
104483BB	LSH Faceplate Brush Bronze
104483BN	LSH Faceplate Brush Nickel
104483MB	LSH Faceplate Matte Black
104483ORB	LSH Faceplate Oil Rubbed Bronze
104483PB	LSH Faceplate Polish Brass
104483PC	LSH Faceplate Polish Chrome
104483PN	LSH Faceplate Polish Nickel
104483SB	LSH Faceplate Satin Brass

## Optional Accessories

Part Number	Description
104485BB	LSH Escutcheon Brush Bronze
104485BN	LSH Escutcheon Brush Nickel
104485MB	LSH Escutcheon Matte Black
104485ORB	LSH Escutcheon Oil Rubbed Bronze
104485PB	LSH Escutcheon Polish Brass
104485PC	LSH Escutcheon Polish Chrome
104485PN	LSH Escutcheon Polish Nickel
104485SB	LSH Escutcheon Satin Brass
104486BB	LSH Diverter Brush Bronze
104486BN	LSH Diverter Brush Nickel
104486MB	LSH Diverter on Matte Black
104486ORB	LSH Diverter Oil Rubbed Bronze
104486PB	LSH Diverter Polish Brass
104486PC	LSH Diverter Polish Chrome
104486PN	LSH Diverter Polish Nickel
104486SB	LSH Diverter Satin Brass