Installation, Operation & Maintenance Manual

Steam@Home®
RESIDENTIAL STEAM GENERATOR SYSTEMS
Models: SAH3000, SAH4500, SAH6000

mr.steam® | Feel Good Inc.
**READ ME FIRST!**

**IMPORTANT NOTE:** As you follow these instructions, you will notice warning and caution symbols. This blocked information is important for the safe and efficient installation, operation and maintenance of this generator. These are types of potential hazards that may occur during this installation and operation:

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**IMPORTANT SAFETY INSTRUCTIONS**

When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:

1. **READ AND FOLLOW ALL INSTRUCTIONS**

2. **WARNING**
   - To reduce the risk of injury, children under the age of 16 should not use the steam bath.

3. **WARNING**
   - To reduce the risk of injury:
     - A. The wet surfaces of steam enclosures may be slippery. Use care when entering or leaving.
     - B. The steam head is hot. Do not touch the steam head and avoid the steam near the steam head.
     - C. Prolonged use of the steam system can raise excessively the internal human body temperature and impair the body’s ability to regulate its internal temperature (hyperthermia). Limit your use of steam to 10-15 minutes until you are certain of your body’s reaction.

4. **SAVE THESE INSTRUCTIONS**

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**HYPERTHERMIA**

The causes, symptoms, and effects of hyperthermia may be described as follows: Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6°F. The symptoms of hyperthermia include an increase in the internal temperature of the body, dizziness, lethargy, drowsiness, and fainting.

The effects of hyperthermia include:
- a) Failure to perceive heat
- b) Failure to recognize the need to exit the steam bath
- c) Unawareness of impending risk
- d) Fetal damage in pregnant women
- e) Physical inability to exit the steam bath
- f) Unconsciousness.

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**WARNING**

The use of alcohol, drugs, or medication can greatly increase the risk of hyperthermia.

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**WARNING**

A peel-off warning label has been provided in the Information envelope. This label is to be applied to the wall of the installed shower or steam enclosure in a conspicuous location.

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**WARNING**

**REDUCE THE RISK OF OVERHEATING AND SCALDING**

1. **EXIT IMMEDIATELY IF UNCOMFORTABLE, DIZZY OR SLEEPY.**
   - STAYING TOO LONG IN A HEATED AREA IS CAPABLE OF CAUSING OVERHEATING.
2. **CHILDREN UNDER THE AGE OF 16 SHOULD NOT USE THE STEAM BATH.**
3. **CHECK WITH A DOCTOR BEFORE USE IF PREGNANT, DIABETIC, IN POOR HEALTH OR UNDER MEDICAL CARE.**
4. **BREATHING HEATED AIR IN CONJUNCTION WITH CONSUMPTION OF ALCOHOL, DRUGS, OR MEDICATION IS CAPABLE OF CAUSING UNCONSCIOUSNESS.**
5. **DO NOT CONTACT STEAM HEAD OR STEAM AT THE STEAM HEAD.**

**REDUCE THE RISK OF SLIPPING AND FALL INJURY**

1. **USE CARE WHEN ENTERING OR EXITING THE STEAM ROOM. FLOOR MAY BE SLIPPERY.**

**NOTE:** FOR ADDITIONAL SAFETY CONSIDERATIONS SEE OWNER’S MANUAL
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**CORRECT SIZING IS IMPORTANT**

**WARNING**: Selection of the appropriate model is important to effectively match the heating requirements of the steam room to the steam bath generator. Do not use a particular SAH model steam generator with a room whose “total room volume” is less than the range shown in the SAH model steam generator sizing chart below. Selection of a model with a “total room volume” rating greater than the “total room volume” may cause excessive temperature. Do not use SAH model steam generators in a room with a “total room volume” of less than 60 cubic feet.

**SELECT YOUR STEAM@HOME**

Materials of construction and room size affect the steam generator model selection.

To determine the “total room volume” multiply length x width x height of the steam room.

**STEAM@HOME GENERATOR SIZING CHART**

<table>
<thead>
<tr>
<th>Total Room Volume*</th>
<th>Acrylic/Fiberglass</th>
<th>Ceramic Tile**</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 – 75 cu. ft.</td>
<td>SAH3000</td>
<td>SAH3000</td>
</tr>
<tr>
<td>76 – 110 cu. ft.</td>
<td>SAH3000</td>
<td>SAH4500</td>
</tr>
<tr>
<td>111 – 150 cu. ft.</td>
<td>SAH3000</td>
<td>SAH6000</td>
</tr>
</tbody>
</table>

* For rooms with “total room volumes” greater than 150 cu. ft., refer to Mr. Steam MS series of residential steam bath generators

** For all other room materials refer to Mr. Steam MS series of residential steam bath generators

**WARNING**: In considering a purchase of this steambath system, please note that if you are pregnant, have a coronary condition, are in poor health, are being treated for any other medical condition, or are using medication or drugs, Mr. Steam recommends that you obtain the approval of a physician before use. For information about this product and safety issues, please call us at 1.800.76.STEAM or log onto www.mrsteam.com for a copy of the Installation, Operation & Maintenance Manual.

**IMPORTANT NOTE**: SAH Model steam generators should not be used for rooms constructed of natural stone, glass block and/or glass tile and/or for rooms having a ceiling height in excess of 8 feet.

**IMPORTANT NOTE**: The “total room volume” allows for a maximum of 60 feet of insulated steam line from the SAH generator to the steam room. If the 60 foot line is exceeded refer to Mr. Steam MS series of residential steam bath generators. When locating the steam generator consideration of control location must be taken into account. The maximum length for a control cable is 60 feet. A 30 foot cable is standard. Contact Mr. Steam to purchase the optional 60 ft. cable (PN 103978-60)

**CAUTION**: Consult with supplier of acrylic and fiberglass enclosures for recommended steamhead location. Use supplied Acrylic Shield PN MS-103938. See instructions on page 7.

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**Steam@home Generator Specification Chart**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>KW</th>
<th>Amps† (for 240v/1PH)</th>
<th>Wire Size‡</th>
<th>Water Usage Gallons‡†</th>
<th>Dimensions*</th>
<th>Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAH3000</td>
<td>3.0</td>
<td>13</td>
<td>12</td>
<td>3/8</td>
<td>14¼&quot;L x 14¼&quot;H x 5¾&quot;D</td>
<td>25</td>
</tr>
<tr>
<td>SAH4500</td>
<td>4.5</td>
<td>19</td>
<td>10</td>
<td>½</td>
<td>14¼&quot;L x 14¼&quot;H x 5¾&quot;D</td>
<td>25</td>
</tr>
<tr>
<td>SAH6000</td>
<td>6.0</td>
<td>25</td>
<td>8</td>
<td>¾</td>
<td>14¼&quot;L x 14¼&quot;H x 5¾&quot;D</td>
<td>25</td>
</tr>
</tbody>
</table>

**IMPORTANT NOTES:**
- Add C1 suffix to Model No. for 240V/1Ph;
- Add B1 suffix to Model No. for 208V/1Ph
- All Mr. Steam SAH Models are cULus Listed and CE approved.

**NOTES:** All SAH Generators available in 240V/1PH and 208V/1PH. SAH units are not available in 3 phase. Specify voltage with order.
† Amps are for 240v/1PH rated units.
‡ Wire size (AWG) based on minimum 90°C rated THHN copper conductors.
Refer to the National Electrical Code for other types of conductors.
See page 5 for complete dimensional information.
BEFORE INSTALLING
Carefully inspect the Steam Generator and packaging for shipping damage. Please contact the carrier in the event of shipping damage, please contact the carrier for claim information. Our customer service department can assist you with any missing or damaged parts.

WARNING Never use damaged equipment, doing so may result in an inoperative or hazardous installation.

IMPORTANT NOTES:
- This document contains important safety, operation and maintenance information. Leave this document with the homeowner. Do not discard this document.

IMPORTANT NOTE:
The following general information should be used in conjunction with consultations with an architect, designer and contractor in determining factors necessary in providing a suitable and safe steam room.

STEAM ROOM GUIDELINES

IMPORTANT NOTES:
1. Steam room must be completely enclosed, with full walls, door, floor and ceiling.
2. It is recommended that a gasketed door is used for heat sealing and steam containment.
3. If smooth surfaced flooring is used, provide suitable anti-skid strips or equivalent to prevent user slipping and injury.
4. Walls and ceilings must be constructed of water-resistant, non-corrosive surface, such as tile, molded acrylic, or fiberglass. The ceiling should be sloped to prevent dripping of condensate.

CAUTION If acrylic or fiberglass are used as part of the steam room enclosure. Consult with the material manufacture and see pg. 7 for additional details.
5. Provide a floor drain.
6. No heating, venting or air conditioning devices should be installed inside the steam room.
7. Steam room tile construction information is available from the Tile Council of America, Inc. by purchasing the TCA Handbook for Ceramic Tile Installation. Tel: (864) 646-8453 or www.tileusa.com.

Read these instructions before installation or service.
Although this SAH steambath generator has been fully qualified for shipment by Mr.Steam®, the following must be reviewed for proper, safe and enjoyable steam bathing:
- Verify that the model and accessories are correct, including incoming line voltage.
- Insure steambath generator has been correctly sized for the steambath room. Pay particular attention to room volume and construction. If any questions, please refer to Mr. Steam sizing and selection guide on page 2.
- The physical size of the unit, clearance for plumbing servicing, and its distance from the steam room must all be considered before installation.

IMPORTANT NOTE: Mr.Steam SAH units are intended to be operated with a Mr.Steam SteamStart™ control only, and are to be installed strictly in accordance with the specific instructions contained in this manual.

WARNING ELECTRICAL SHOCK HAZARD. Mr.Steam steam generators are intended to be connected to 208V or 240V line voltage and contain live electrical components. All installation and service to be performed by qualified and licensed electricians and plumbers only. Installation or service by unqualified persons or failure to use Mr. Steam parts may void the warranty.

WARNING REDUCE THE RISK OF OVERHEATING AND SCALDING
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NOTE: FOR ADDITIONAL SAFETY CONSIDERATIONS SEE OWNER'S MANUAL

mr.steam® 43-20 34th Street, Long Island City, NY 11101 1-800-76-STEAM www.mrsteam.com
LOCATING THE STEAM GENERATOR UNIT

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

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 60 foot cable (PN 103978-60) is available as a special order part if the installation requires a longer cable.

IMPORTANT NOTES: ( ITEMS 8-12 )
8. Install anti-water hammer device as necessary.
9. Provide a minimum of (12) inches on the plumbing side and top of the steam generator or as required for servicing. See page 5.
10. Provide unions to facilitate installation and disconnection of piping.
11. The SteamStart™ control may be located inside the steam room or outside of the steam room. See SteamStart Installation section (pg. 12) for specific details.

NOTE: Mr.Steam Generators (inclusive of the SteamStart™ series controls) are CE and UL listed.

WARNING The Steam@home® steam generator is suitable for operation in ambient temperature not exceeding 45°C (113° F)

WARNING The SAH series of steam generators are for residential use only. Commercial or other non-residential applications void the warranty and may adversely affect product performance. Use only Mr.Steam SteamStart™ control.
TYPICAL MR. STEAM INSTALLATION

NOTE: For illustrative purposes only. Consult with qualified designer, architect or contractor for steam room construction details.

Provide unions to facilitate installation and disconnect of piping.

IMPORTANT NOTE: Provide unions to facilitate installation and disconnect of piping. See Page 13 for draining information.

CONTROL CABLE (located behind the wall)

Steam Head (shown with acrylic shield)

See page 7 for Steam Head Installation information.

Steam Start™ Control

See page 12 for installation information.

FIELD INSTALLED WATER SUPPLY LINE

FIELD INSTALLED 1/2" INSULATED STEAM SUPPLY PIPE

Drain Valve should be closed

See page 13 for draining information.

CAUTION: To avoid unintentional steam bath operation, do not locate the control where other controls, shower heads, valves, body sprays or similar accessories within the shower could cause confusion or interfere with the Mr. Steam control's intended use and function.

CAUTION: Consult with supplier of acrylic, fiberglass and other non-heat resistant enclosures for recommended steam head location. Use Acrylic Shield PN MS-103938. See instructions provided with steam shield.

NOTE: All units in inches (mm)

IMPORTANT NOTE: Provide a minimum of (12) inches at plumbing end and top of the steam generator or as required for servicing. Alternately, provide unions as required to facilitate installation and disconnection of the steam generator.

IMPORTANT NOTE: The minimum clearance from combustible surfaces is zero all around.

TO AVOID EQUIPMENT DAMAGE DO NOT CONNECT POWER SUPPLY DIRECTLY TO ELEMENT TERMINALS !!!

NOTE: FOR ILLUSTRATIVE PURPOSES ONLY.
INSTALLATION

PLUMBING
All plumbing shall be performed by a qualified licensed plumber and in accordance with applicable National and local codes.
- Use unions on all pipe connections.
- Use only brass piping or copper tubing as permitted by codes.
- Do not use black, galvanized, PVC pipe or PEX.

WATER SUPPLY (3/8" NPT)
1. Connect hot or cold water line. If hot water line is used water temperature should not exceed 130° F.
2. Provide a shut off valve in the water supply line upstream of the steambath generator.
3. Do not overheat inlet solenoid valve with solder connections. Overheating will damage the valve.
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 using a suitable pressure reducing valve.
7. Provide anti-water hammer device as required.
8. Install an approved backflow preventer as required by code.

STEAM OUTLET (3/8" NPT)
1. Do not install any valve in steam line. Flow of steam must be unobstructed.
2. Use 1/2-inch brass pipe or copper tubing from unit to steam head as permitted by codes.
3. Insulate steam line using pipe insulation rated 250° F minimum.
4. Pitch steam line 1/4" per foot towards steam head or steam generator to avoid valleys and trapping of condensate.

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

NOTE: A 1.5" diameter hole in the steam room is required to mount the steamhead.

SAFETY VALVE (3/4" NPT)
Where permitted by local codes, provide an outlet plumbing connection for safety valve.

WARNING To insure proper and automatic safety valve operation: DO NOT connect a shut off valve or a plug at safety valve outlet. DO NOT connect a shut off valve or any obstruction in steam supply pipe. DO NOT connect the safety-valve output into the steam line.

MANUAL DRAIN VALVE (1/4" NPT)
Unit drains by gravity. See page 13 for draining instructions

DRIP PAN (PN 103867)
Mr. Steam strongly recommends the use of a drip pan in the unlikely event of a plumbing leak.
Locate the drip pan on a solid level surface and place the steam generator inside the drip pan. Insure the steam generator is level (see page 4 for locating the steam generator).
The drip pan is equipped with an integral female 3/4" NPT fitting. All plumbing shall be performed by a qualified licensed plumber and in accordance with applicable national and local codes. Check local plumbing code for receptor, trap and vent requirements. Drip pans drain by gravity.
INSTALLATION OF THE STEAM HEAD
(1/2" NPT, PN 103937)
WITH ACRYLIC SHIELD (PN 103938)

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

**CAUTION** INSTALLER: Because the steam head and direct steam emissions are very hot, locate the steam head where incidental contact by bather with the steam head or direct steam emission cannot occur.

**IMPORTANT NOTE:** These instructions are only for use in installations using an Acrylic Shield (pur 103938).

**Step 1**
Locate steam head at least 12 inches from an adjacent wall or bench and 6-12 inches above floor, except for tub/shower enclosures, install 6 inches above tub top edge.

The steamhead shall be installed with the oil well facing up as shown. Hand tightening is sufficient when teflon or equal pipe thread sealing compound is used.

**IMPORTANT NOTE:** to preserve steam head finish, do not use wrench or other tools to tighten. DO NOT use abrasive cleansers or chemicals. Use only water with mild soap and a non-abrasive sponge.

**CAUTION** Consult with supplier of acrylic, fiberglass and other non-heat resistant enclosures for recommended steamhead location.

**Step 2**
Secure a bronze drop ear fitting to a header and run a 1/2" copper steam line from the steam generator to the drop ear fitting. Install a temporary nipple (6" or longer) in the drop ear fitting to locate the steamhead after the wall is finished.

**Step 3**
After the wall has been finished, mark on the nipple where the surface of the wall is. Remove the nipple and measure the portion that was in the wall (the end to your mark). Subtract 1/8" from that dimension and select a brass nipple of that length to finish the installation.

**Step 4**
Wrap teflon tape around the threads of the new nipple and screw the nipple into the steamhead. Do not use wrenches or tools which would damage the steamhead's finish.

Slide the acrylic shield onto the nipple-steamhead assembly so the steam head sits in the acrylic shield.

Apply clear silicone in the groove on the back of the acrylic shield. Wrap teflon tape around the threads of the nipple and screw the nipple and steamhead assembly you just made into the drop ear fitting in the wall. The steamhead should be flush with the wall and the well must be facing up.

The acrylic shield will be sandwiched between the wall and steam head.
ELECTRICAL
All electrical wiring to be installed by a qualified licensed electrician in accordance with National Electrical Code and local electrical code.

POWER WIRING
See “Field Power Wiring” Diagrams (below)
1. Check power voltage. Use 240V rated unit when supply is greater than 208V. (Most homes have 240V, 1PH service). Use 208V rated unit for 208V power.
2. Use minimum 90˚C/300V rated insulated copper conductors only, sized in accordance with National Electrical Code and local electrical code for the current in Ampere Chart. If allowed by codes, NM cable may require a larger wire size than as listed on the chart.
3. Connect suitably sized equipment grounding wire to ground terminal provided.
4. Install a separate circuit breaker between supply and unit. Provide a power supply disconnect within sight of the steam generator or one that is capable of being locked in the open position.

FIELD POWER WIRING
Models SAH3000, SAH4500 & SAH6000

TO AVOID EQUIPMENT DAMAGE DO NOT CONNECT POWER SUPPLY DIRECTLY TO ELEMENT TERMINALS!!!

L1, L2, GROUND TO BE FIELD WIRED

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Max Room Volume (Cu. Ft.*)</th>
<th>KW</th>
<th>Volts1</th>
<th>Phase</th>
<th>AMPS</th>
<th>Wire Size (AWG) for up to 45˚C Ambient</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAH3000</td>
<td>65</td>
<td>3.0</td>
<td>208</td>
<td>1</td>
<td>15</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>240</td>
<td>1</td>
<td>13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAH4500</td>
<td>100</td>
<td>4.5</td>
<td>208</td>
<td>1</td>
<td>22</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>240</td>
<td>1</td>
<td>19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAH6000</td>
<td>150</td>
<td>6.0</td>
<td>208</td>
<td>1</td>
<td>29</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>240</td>
<td>1</td>
<td>25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*See page 2 for room sizing.
SAH units are not available in 3 phase.

5. Use two-wire supply source and equipment grounding wire. Neutral (white) wire is not required.

IMPORTANT NOTE: Provide a power supply disconnect within sight of the steam generator or one that is capable of being locked in the open position as permitted by code.

FOR ILLUSTRATIVE PURPOSES ONLY
INITIAL START-UP AND CHECKOUT

1. Turn on control. Follow specific instructions pages 12.
2. Steam will begin to appear in approximately 5 minutes at the steam head.
3. Steam will shut off automatically when 20 minute timer is up. To shut steam off manually, press SteamStart™ again. To clear steam from enclosure area, turn shower on before opening door.
4. If unit does not start and SteamStart backlight does not turn on, then turn breaker off for 2 seconds and try again.

TROUBLESHOOTING

WARNING ELECTRICAL SHOCK HAZARD. Mr.Steam steam generators are connected to 240V line voltage and contain live electrical components. All installation and service to be performed by qualified and licensed electricians and plumbers only. Installation or service by unqualified persons or failure to use Mr. Steam parts may void the warranty.

STEP 1 Check your main incoming power to the unit.
STEP 2 Verify the transformer is receiving 208/240 VAC.
STEP 3 Verify that you have 24VAC coming out of the transformer, WHT & WHT/BLU wires, into the board.
STEP 4 Verify that you have the green light on the PC board.
STEP 5 Verify that you have 24 VAC to the water feed solenoid, GRY & WHT/GRY wires (will fill when needed).
STEP 6 Temporarily short out the WLS (Purple wire) and GND (Green wire) terminals and verify the contactor engages.
STEP 7 When the red light is on, verify that you have 24 VAC, RED & WHT/RED wires, to the contactor.
STEP 8 Check to see that you have your main voltage on the load side of the contactor when it is engaged.

SYSTEM STATUS

The control STEAMSTART™ may blink if the steam generator is not functioning properly.

<table>
<thead>
<tr>
<th>MEANING</th>
<th>PROBABLE CAUSE</th>
<th>SUGGESTED REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water level is not satisfied within 5 min.</td>
<td>Water Supply is off</td>
<td>Turn on Water Supply</td>
</tr>
<tr>
<td></td>
<td>Defective water feed solenoid</td>
<td>Check/replace water solenoid valve</td>
</tr>
<tr>
<td></td>
<td>Water feed probe not functioning</td>
<td>Check/clean probe. Check probe wiring.</td>
</tr>
<tr>
<td></td>
<td>Drain Valve Open</td>
<td>Check/Close drain valve</td>
</tr>
<tr>
<td>Incorrect Field Supply Voltage (green light on liquid level control board will be off)</td>
<td>Incorrect voltage supplied to Generator</td>
<td>Supply steam generator with the correct voltage noted on the data plate label.</td>
</tr>
<tr>
<td>Button on control is pressed for more than 5 minutes</td>
<td>Debris behind overlay cover</td>
<td>Replace SteamStart button</td>
</tr>
<tr>
<td>Liquid Level Control Board malfunction</td>
<td>Memory error in LLCB</td>
<td>Press SteamStart button Replace LLCB if code remains.</td>
</tr>
</tbody>
</table>
SINGLE PHASE 208/240 VOLT WIRING DIAGRAMS
SAH units are not available in 3 phase

MODELS:
SAH3000
SAH4500
SAH6000

LIQUID LEVEL CONTROL BOARD Explanation of LED Indicators

GREEN LED is ON when there is 208/240 Volt incoming power connected, 24 Volt transformer secondary output and on-board 5 Volt DC control power are present.

YELLOW Water level indicator–LED is OFF when no water is detected (for more than 5 seconds). ON when water level is satisfactory.

RED Contactor relay indicator–LED is ON when relay is closed and sending 24 Volts to the contactor coil. (This LED comes ON if the generator is ON.)

Liquid Level Control Board
PN 103975B
(shown without wiring)
MODELS SAH3000, SAH4500, SAH6000
shown with cover removed

NOTE: FOR ILLUSTRATIVE PURPOSES ONLY.
Some components may be omitted or altered for clarity.
Do not use for wiring, repair or other purposes not related to component identification.

REPLACEMENT PARTS LIST
Please call Technical Support at 800-76-STEAM (East Coast)
or 800-72-STEA M (West Coast) for Service Information

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>99806</td>
<td>Drain Valve</td>
</tr>
<tr>
<td>99297</td>
<td>Safety Valve 15PSI</td>
</tr>
<tr>
<td>100479</td>
<td>Water Feed Solenoid Valve with filter</td>
</tr>
<tr>
<td>10477-3</td>
<td>Transformer 24VAC</td>
</tr>
<tr>
<td>103975B</td>
<td>Liquid Level Control Board</td>
</tr>
<tr>
<td>100476-2</td>
<td>Contactor 50A 2-pole</td>
</tr>
<tr>
<td>100471-2</td>
<td>Probe Assembly</td>
</tr>
<tr>
<td>103938</td>
<td>Acrylic Shield</td>
</tr>
<tr>
<td>103978-30</td>
<td>Cable for SteamStart™ (30 ft.)</td>
</tr>
<tr>
<td>103978-60</td>
<td>Cable for SteamStart™ (60 ft.)</td>
</tr>
</tbody>
</table>
STEAMSTART™ On/Off Switch

Box Contents:
• SteamStart™ Control
• Control Cable

INSTALLING THE STEAMSTART™ CONTROL
The SteamStart has a 30 foot cable with a Plug & Play connector at both ends. (Diagram 1). A 60 foot control cable is available (103978-60). Contact a Mr. Steam technical representative if the 60 foot cable is required.

CAUTION To avoid unintentional steambath operation, do not locate the control where other controls, shower heads, valves, body sprays or similar accessories within the shower could cause confusion or interfere with the Mr. Steam control’s intended use and function.

STEP 1 - Diagram 2
Drill a 7/8 inch diameter hole in a preferred wall location. Do not oversize or undersize the hole.

STEP 2 - Diagram 3
Route the cable from the wall to the steam generator. Be careful not to strain, pinch or otherwise damage the control cable.

STEP 3 - Diagram 4
Remove and discard the peel-off paper from the switch housing to expose the adhesive as shown in Diagram 4.

STEP 4 - Diagram 5
Apply silicone (provided with SteamStart control) to the hole in the wall as required to create a moisture seal. Apply silicone to the back of the switch as required to seal grout lines or as required for additional adhesion.

IMPORTANT NOTE: Use care not to apply silicone to the adhesive gasket.

STEP 5
Push cable and switch housing into the hole firmly.

STEP 6 - Diagram 6
Firmly connect the Plug & Play connector to the steam generator connector labeled SteamStart.

NOTE: The connector is keyed and will only connect in one orientation with the tab facing up.

IMPORTANT NOTE: Install cable in a dedicated conduit to allow for replacement. Be careful not to strain, staple, pinch or otherwise damage the control cable. Do not route in conduit with power wires.
SAFETY AND OPERATING INFORMATION

Use the SteamStart™ control to turn the steam generator on. The SteamStart control will only light up when the steam generator is on. The steam generator will automatically shut off at 20 minutes, to turn the steam generator off manually prior to the automatic shut off, press the button on the SteamStart control. The SteamStart control may blink if the steam generator is not functioning properly (see page 9).

WARNING Do not install or use any SteamStart™ control without reading and understanding the Mr.Steam steam generator Installation and Operation Manual (PN 100467 Rev 3.12 or higher). Failure to read and understand these instructions may result in an inoperative or hazardous installation. A peel-off warning label has been provided in the Information envelope This label is to be applied to the wall of the installed shower or steam enclosure in a conspicuous location.

STEAM GENERATOR MAINTENANCE

Other than periodic draining, maintenance procedures are minimal. Every 2 months, or more often in "hard" water areas, the manual drain valve should be opened fully flushing out accumulated materials, salts and other particles which are natural by-products of boiling water.

CARE TIPS FOR STEAM/START AND STEAMHEADS

1. Use only mild soap and water on a soft cloth to clean the control and steamhead.
2. Do not use abrasive cleansers

USING MR.STEAM® ESSENTIAL OILS

Enjoy AromaSteam™ essential oils by placing a drop or two into an unheated AromaSteam steamhead as shown in the illustration. Only use Mr.Steam® AromaSteam essential oils in the Mr.Steam® AromaSteam steamhead.

CAUTIONS

• 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.
• Place the drops into the Mr.Steam AromaSteam steamhead recess 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.
• Start with one drop to gauge strength and suitability. Limit to a maximum of a few drops for a steam bathing session.
• The bather should exit the steambath IMMEDIATELY if dizziness occurs. 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 Aromatic oils should be added to steamhead before turning on the steambath unit. DO NOT add oil during steam bathing or when the steam head is heated.

Tightly close bottles when storing oils. Keep bottles away from sources of ignition.
Products, information and specifications are subject to change without notice.
Please call Sales & Support at 1.800.76.STEAM (East Coast)
or 1.800.72.STEAM (West Coast) for more information.

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