S&M

Steam Bath Generator

"A Saunacore Product"

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:

warning states a hazard may cause serious injury or death if precautions are not followed.

signals a situation where minor injury or product damage may occur if you do not follow instructions.

IMPORTANT NOTE: This highlights information that is especially relevant to a problem-free installation.

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. **I 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.
- **D.** Excessive temperatures have a high potential for causing fetal damage during the early months of pregnancy. Pregnancy or possibly pregnant women should consult a physician regarding correct exposure.
- **E.** Obese persons and persons with a history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a steambath.
- **F.** Persons using medication should consult a physician before using a steambath since some medication may induce drowsiness while other medications may affect heart rate, blood pressure and circulation.
- 4. SAVE THESE INSTRUCTIONS

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 steambath
- c) Unawareness of impending risk
- d) Fetal damage in pregnant women
- e) Physical inability to exit the steambath
- f) Unconsciousness.

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



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

Certified to CAN/CSA Std. No. 88 Conforms to UL, Std. 499

Technical Hotline 905-951-6662

Users instruction



We are not responsible for the malfunction and damage from installation that does not comply to the user manual.

- 1. Make surethe model and output are correct, including the voltage.
- Make sure the power are matched with the steam room dimensions. Pay attention to the steam room's cubic footage and wall finish materials. If you have any problems, please refer page 11 for steam generator sizing and selection.
- 3. Read this entire manual before installation.
- Saunacore will not be responsible for any damage or malfuntion due to the product by improper installation.
- 5. Steamcore Spall Series are pre-tested and inspected prior to packaging, please inspect package when received to assure all is in proper condition. If you find any damage to the package, immediately put in a claim with the delivering (courier) company for a claim of compensation.
- 6. The steam generator use in a heated indoor space only.
- 7. This unit must be completely installed with unions for easy removal, the steam lines must be 3/4" diameter pipe for each steam line. Do NOT reduce steam line pipe diameter, do not connect steam lines, and a pressure reducer valve must be used to reduce water pressure to 15-20 psi. Do NOT heat solenoids with any flame or soldering torch.

It is strongly recommended that the water intake solenoid be connected to a water supply using a stainless braided flex hose hose. Teflon tape is required to make a liquid tight seal between the threads and a rubber gasket (washer) is used to seal between the solenoid and the braided hose attachment. Incorporate thread sealant (teflon tape) on both the water intake and drain solenoid for a tight seal to avoid leaks.

Choosing a right location



Install an exhaust fan outside of the steam room so it can expel the excessive steam from the shower room.

Recommended installation locations.

- The distance between the steam room and the steam generator should be 20ft or less. The steam generator is supplied with a control cable of 28ft long. It cannot be extended if needed.
- 2. The steam generator should NOT be installed inside the steam room.
- 3. Do NOT install the steam generator outdoors or any place that will influence the operation, function, security of the steam generator by the surrounding environment.
- 4. Do NOT expose generator to any place it may freeze, or near any combustible objects or chemicals.
- 5. Install steam generator in a dry well ventilated location.

NOTE: Do NOT apply any heat or source of flame to the intake/drain solenoids during installation. This can cause damage or malfunction of components.

- The steam generator should be securely mounted. Make adequate care that the generator is stable and level, horizontally. The steam generator has hanging holes in the back side for mounting onto a wall.
- 8. The steam generator requires a minimum of 12 inch clearance of space on both sides, top and front.
- 9. The steam generator must be installed in a place that is easily accessible, and convenient for removal, or disassembly.
- 10. The installation area must have access to a drain.
- 11. The steam line(s), pressure relief valve, drain valves, water supply line, and steam outlets are VERY HOT during and after use for some time. Keep the steam outlets away from any body parts or bathers. Bodily injury or burn may occur if coming into contact or in the visinity of the steam nozzles. Provide appropriate protection to avoid bodily injury.



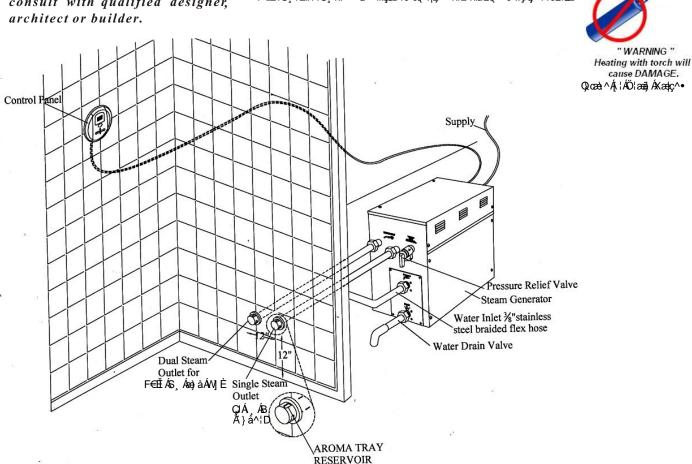
The steam generator (including the controller) comply with CE, CSA and UL certification standards.

Installation drawing of the steam generator

Attention: The drawing is only for sample. As for practical design of steam room, please consult with qualified designer, architect or builder.

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WARNING '

Heating with torch will

Installation of pipeline



The installation of all the pipes should be done by a qualified licensed plumber.

DO NOT HEAT AUTO FILL / DRAIN VALVES WITH TORCH DURING INSTALLATION. This will cause damage to the plastic solenoid valve which will cause malfuction or leakage.

WATER SUPPLY LINE (1/2" WITH SHUT OFF VALVE)

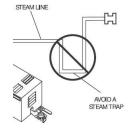
- 1. Connect cold water supply with a shut off valve that is located in a that makes it easily operated in an emergency. \emptyset \emptyset æ $^{+}$ \mathbb{A} \mathbb{A}
- 2. Make sure the water supply line is clean before attaching to steam generator intake solenoid. It is recommended that a 3/8 inch braided hose is used to supply water to the steam generator.
- 3. The water pressure should be between 15-20 psi. If necessary, decrease the pressure accordingly. Excess pressure may cause leakage or malfunction of parts. The water flow rate should be aprox 8 gpm.

STEAM LINE PIPE (PIPE DIAMETER: 3/4" PER STEAM LINE - NO LESS!)

- 1. Do NOT install any valves in the steam line pipes. The steam should never be obstructed.
- Steam generators up to 9KW require (1) 3/4 inch diameter steam line, 10.5 KW and higher steam generators
 require (2) 3/4 inch diameter steam lines. Do NOT use or install steam lines in any configuration, in any less diameter
 pipe, or connect them together.
- The steam lines must be 3/4 inch diameter, the steam heads (nozzles) are 3/4 inch threaded. Steam lines must be copper or brass material. Do NOT use ABS, galvanized, or PVC pipe. Use threaded unions to install all components of the steam generator.
- 4. If steam lines are insulated, the insulating materials should be resistant to a temperature of no less then 250F.
- 5. The steam lines should be installed horizontally with a slight incline to allow condensate to run off. Incline can be towards the steam room or the steam generator. Do NOT allow steam pipe to sag, or create any sort of trap that will allow condensate to build up and block steam flow within the steam lines.
- 6. The shorter the steam lines, the better performance of the steam genarator. Keep the number of elbows and abrupt turns in the steam lines to a minimal. Do NOT combine the steam lines if the generator has more then one steam line, do NOT attach the steam line(s) to the pressure reducer valve line, or drain line.



Do NOT install steam line in an upper or lower direction repeatedly. This will affect the output of steam and can create a blockage to the flow of steam.



Attention:

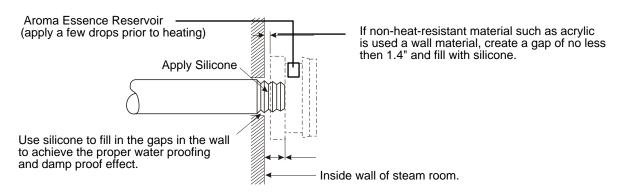
Avoid installing the steam heads (nozzles) in an area that will come into contact with any body parts or bathers traffic. Add appropriate protection to avoid bodily injury or burns. It is VERY HOT in the vicinity of the steam heads outlets.



The steam nozzles need to be intalled so the steam outlet escapes down towards the floor. Do NOT install with any wrench or tool that will damage it finish. Best to hand tighten and silicone to the wall finish. Do NOT use corrosive materials to clean the steam nozzle(s) or any harsh cleaning products.



- 1. Please consult your distributors of building materials like acrylic, fiber glass or other anti-heat sheet about the installation position of steam nozzle. It is suggested that MS-103412 anti-heat material can be used.
- 2. In the entire steam room, it is required that steam must not leak out. The pipes, its accessories and the holes in the wall should be airproof by applying silicone so that no steam will enter the holes in the wall.





The drain pipe should not incline to prevent gravity flow of draining water.

DO NOT HEAT AUTO FILL / DRAIN VALVES WITH TORCH DURING INSTALLATION. This may cause damage, leakage or malfunction to intake/drain solenoid valves



DRAIN PIPE: (1/2 inch diameter)

Steam generators up to 9 KW are equipped with an auto drain solenoid valve. The steam generators 10.5 KW and higher are also equipped with an auto drain solenoid valve, plus an additional manual drain port that is capped. The manual drain port is to remain capped at all times. This secondary port is for back up manual draining if required for maintenance use only.

SAFETY PRESSURE RELIEF VALVE: Rated 15 psi.

1. Pressure relief valve is a safety device in order to prevent too much pressure build up within the steam generator. Build up of pressure can be created by many different reasons; steam line line blockage, undersized steam line pipr diameter, steam line traps, or vandalism. This build up of excessive back pressure may cause the auto & manual high temperature limiting switches to trip and cut power to the heating elements to stop producing steam.

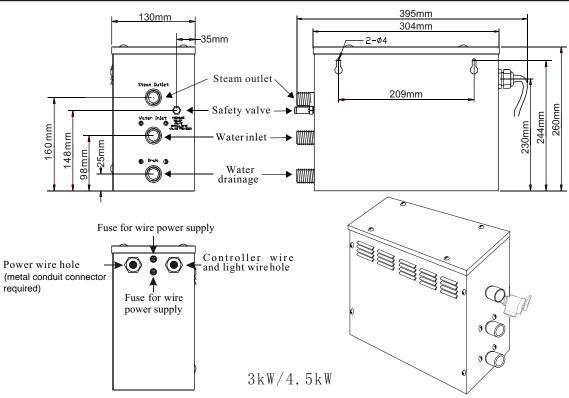


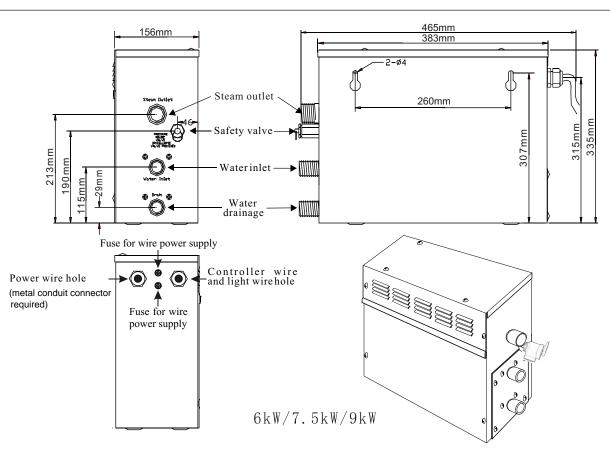
- The steam generator is shipped with plastic caps over the steam outlets, these are to be removed and discarded only when making connection to the steam lines. The purpose of these caps is to avoid any particles getting into the boiler tank while installing or handling the steam generator during installation.
- 3. Steam bath generators that are 18 KW and Higher will have a factory installed pressure switch. This pressure switch will cut power to the steam generator heating elements when the internal steam pressure within the boiler tank or steam line(s) reaches over the manufactures recommended limit. The switch will reset automatically when the excessive pressure has been substantially reduced. This will re-occure until the cause of excessive pressure has been rectified. Usuall causes are listed in point 1.

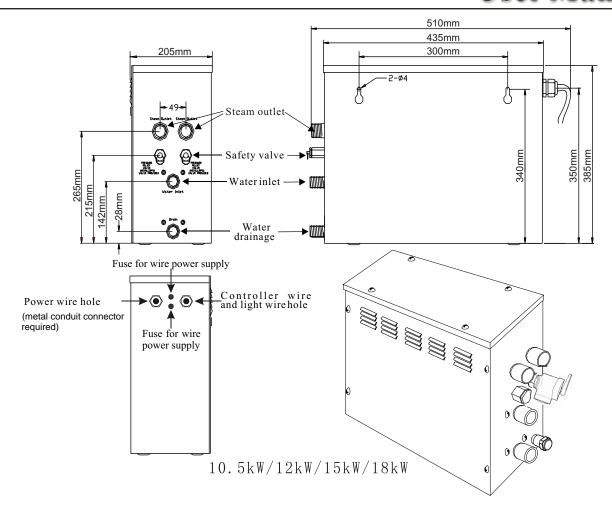


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Steam generator Diagram.









to facilitate maintenance, keep the steam engine clean. If the information provided is limited, do not touch the pipeline and electric equipment



to avoid damage to the equipment, do not connect strong electric current directly to the components.

Electrical requirements:

ELECTRICAL SUPPLY:

- 1. Test the voltage of electricity supplied to the steam generator, make sure the correct voltage is supplied to the steam generator. Make sure ALL connections have been adequately torqued.
- Insulated copper wire should be used with an anti-heat temperature of no less then 90°C and a specified voltage of 300V. Refer to your national or local electrical codefor specifications.
- 3. Intall an independant circuit breaker between the power supply and the steam generator unit in order to provide an electricity supply with overload protection and electricity leakage protection.
- 4. A suitable metal conduit with connector should be used for the main power wiring connections. ALWAYS disconnect the main power supply to the steam generator prior to attempting any service to the generator.



Attention: All the connections must be in accordance with national and local electricity consumption code and be installed by professional licensed electricians.

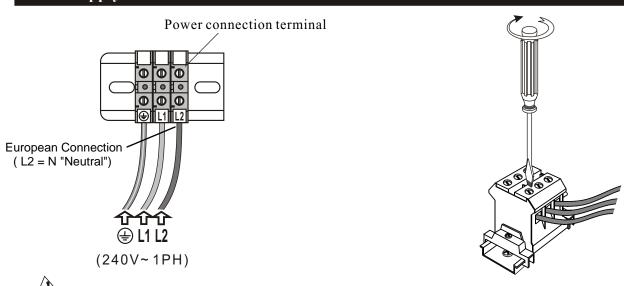
Ampere Meter

The total connected load should not be more then 80% of the rating of the overcurrent devices.

Туре	Electricity supply	Applicable space of the room (m³)	Electric current (A)	
3kW	240V~ (1PH)	3~6	12.5A	
4.5kW	240V~ (1PH)	4~7	18.75A	
6kW	240V~ (1PH)	5~8	25A	
7.5kW	240V~ (1PH)	6~10	31.25A	
OL M	240V~ (1PH)	8~12	37.5A	
9kW	208V~ (3PH)	8~12	25A x 3	
10.5kW	240V~ (1PH)	10~13	43.75A	
12kW	240V~ (1PH)	12~15	50A	
IZKVV				

Within the steam generator, install an independent circuit breaker so as to provide an electricity supply with overflow protection and electricity leakage protection (ground fault interrupter.)

Power Supply Wire Connection



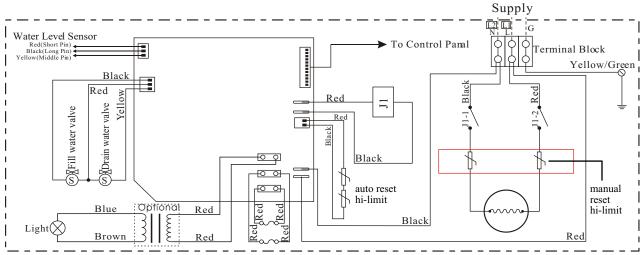
Attention: To avoid damage to the equipment, do not connect strong electric

current to the component directly.

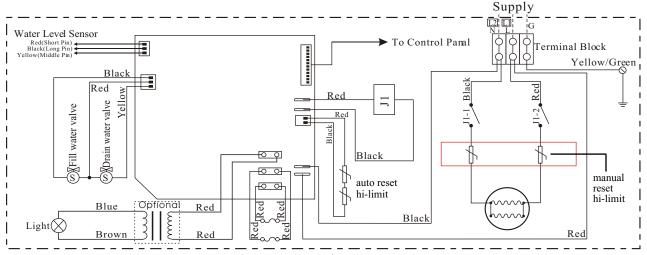
Warning: This drawing is for explanation only. For actual installation, refer to national and local electricity consumption codes by professional licensed electricians.

Steamcore SM

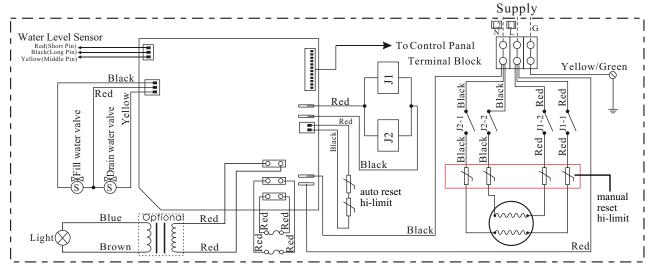
Wiring Diagram 240V(1PH)



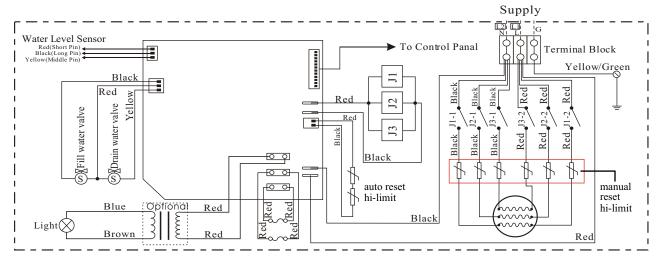
Steamcore SM 3kW (240V - 1PH)



Steamcore SM 4.5kW (240V - 1PH)



Steamcore SM 6kW / 7.5kW / 9kW (240V - 1PH)



Steamcore SM 10.5kW / 18kW (240V - 1PH)

Sizing steam generator

Measure the length, width and height (feet) of the current steam shower or bathtub area that has a ceramic wall finish.

Example;

L:7xW:5xH:8 = 280 Cubic Feet x 25% for Ceramic Wall Finish = 61.25 (61.25+280) = 341 Total. You would need a 9000 watt (9KW) steam generator.

However, if your shower materials are;	(is multiplied by:)
Acrylic, cultured marble.	0.08
Ceramic Tile on Cement Board.	1.30
Ceramic Tile on Mortar Bed.	1.30
Glass or Glass Block	1.35
Porcelain tile on cement board	1.60
NATURAL STONE TILE (marble, granite, slate, travertine, etc)	
On Cement Board.	1.90
On Mortar Bed.	2.00
Natural Stone Slabs over 1/2" thick	2.25
Each Exterior Wall(s) Insulated	1.10 for each outside wall

Important: The calculation formula for selecting the size of steam generator is for reference only. Due to the variability of the building, the specifications and size illustration are used as guidelines only. If we have complete information, including actual blueprint, project instruction and building details, we can select the type of generator.

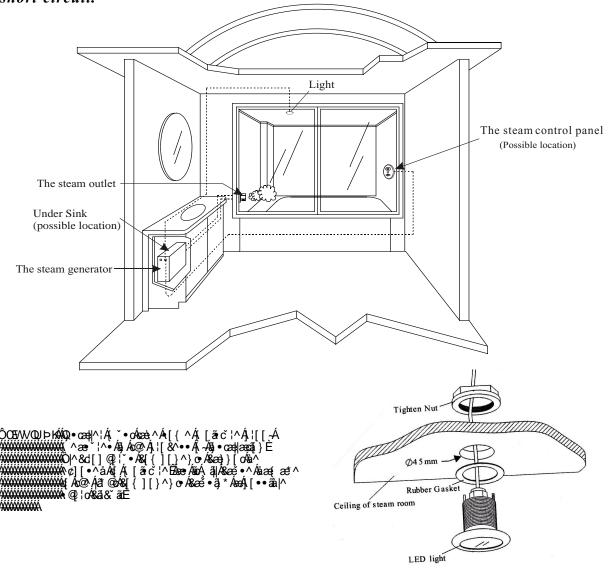
Installation of the top light



The rating of the light should not surpass 3 Watts (rated power) to prevent damage to the transformer.

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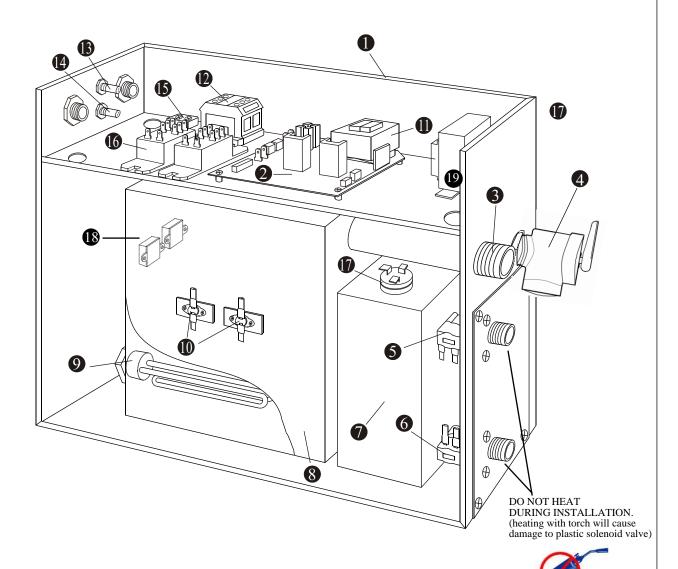
CAUTION: Take some moisture proof measures in the process of installation. Do not let the electrical components be exposed to moisture or, it will cause damage or short circuit.



CAUTION:

The illustration is just for explaination, the practical installation must comply with the nation's electric criteria, and performed by a professional licensed electrician.

Configuration of steam generator

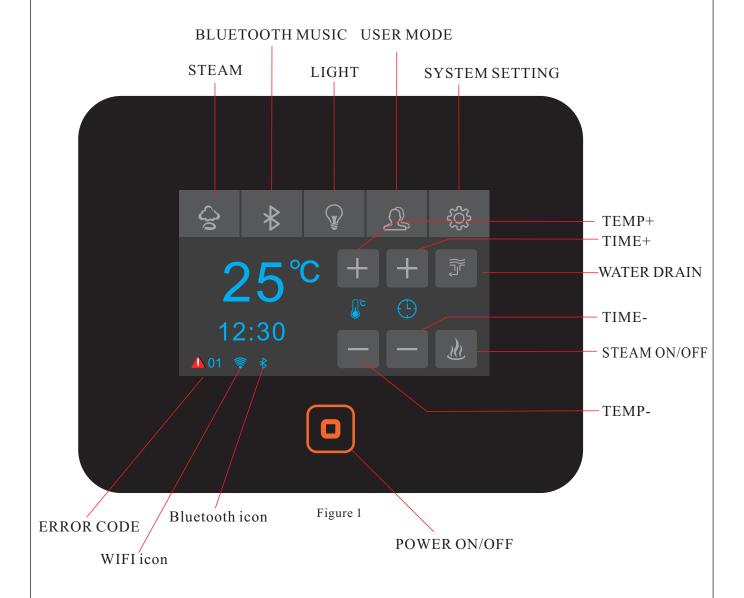


- 1 Enclosure
- Circuit board
- 3 Steam Outlet
- 4 Pressure Safety Valve
- Water fill valve
- **6** Water drain valve

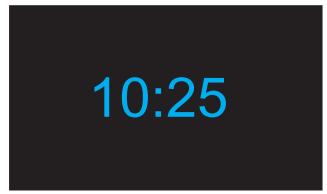
- Subsidiary water tank **B** Fuse
- 8 Main water tank
- **9** Heating Element
- 1 Heat Hi-limit
- Transformer
- Terminal block

- 14 Fuse
- **b** Ground wire connector
- 16 Relay
- Water level sensor
- Manual Reset Hi-Limit
- Mood light transformer

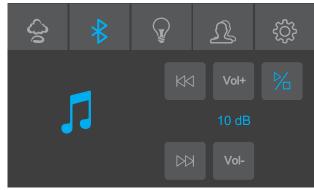
WARNING Heating with torch will cause DAMAGE.



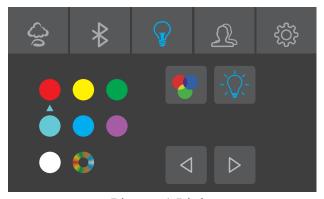
INTERFACE EXPLAIN



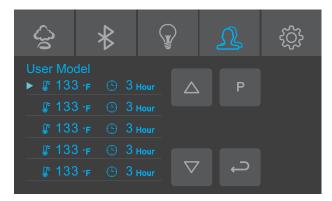
Picture 2: Real clock after Power off



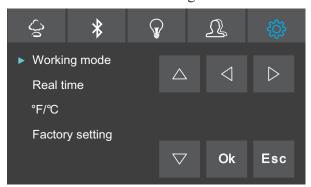
Picture 3:Bluetooth Music



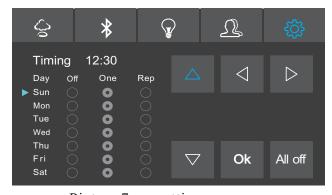
Picture 4:Light



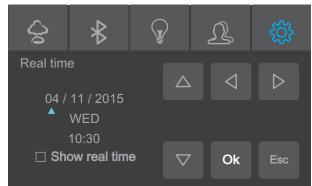
Picture 5:user mode



Picture 6:setting



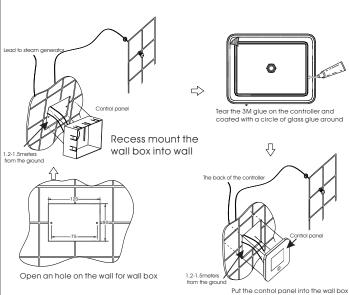
Picture 7:presetting power on



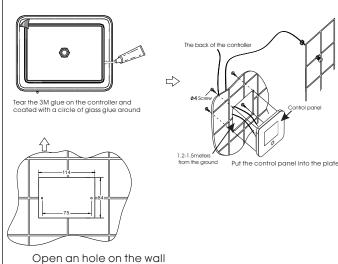
Picture 8:Clock setting



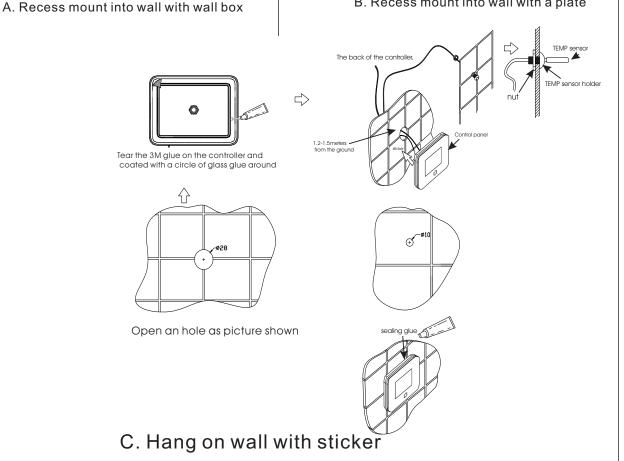
Picture 9:TEMP setting





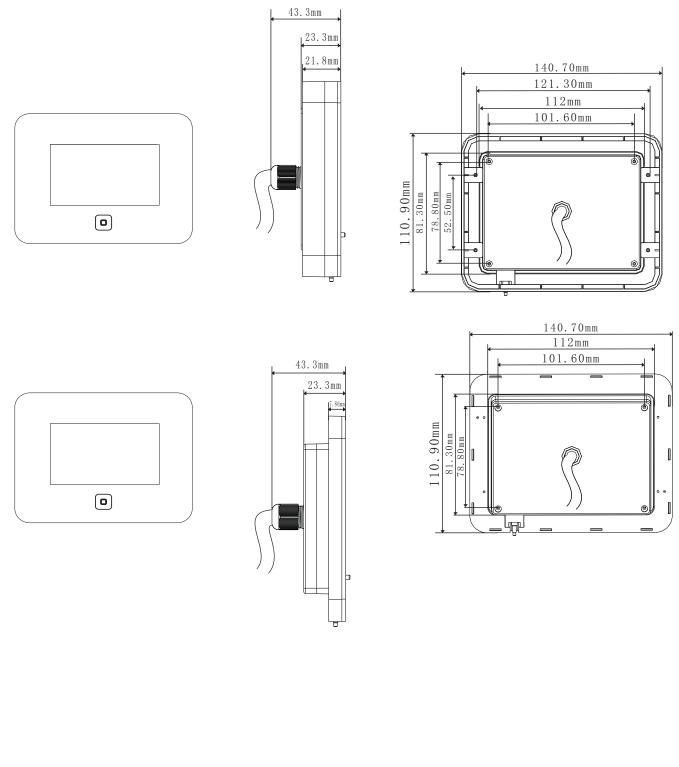


B. Recess mount into wall with a plate



NOTE: Stereo speakers should be mounted and sealed into position away from direct contact of running water or water over spray. Keep away from direct path of steam exiting the steam nozzles. Suggested location is either on the ceiling or within the bathroom area. These are marine grade speakers. Seal speakers into position to prevent any steam escape from the team shower.

17



FUNCTIONS

1.LIGHT 2.STEAM

3.BLUETOOTH 4.CHROMA LIGHT

OPERATION METHOD

I. POWER ON/OFF

1.POWER ON

When system electrify, you can hear the "BEE" sound on the control panel.

2.POWER ON

When system is in standby mode, touch button to switch on the system, screen display current TEMP inside steam room as picture I show. At the meantime, it shows whether the WIFI and Bluetooth music are connected or not. After the interface completely presenting, the function button is unlocked.

If the system has been set to order to switch on, when the order time comes, the system will switch on automatically and start the steam function.

3.POWER OFF

When system working, touch button to switch off the system, screen displayreal clock if preset clock function, otherwise, screen will be black screen.

System reach the setting time and will be powered off automatically. (System power off in 2 minutes after steam stop)

II.Light Power On

When system working and enter into light interface as picture 4, first pressing light button to get the light on, press this button again to get light power off.

SSB

III. Chroma light

When system in light interface as picture 4, touch button to power on the chroma light function, press button to change light color, press button to switch off the chroma light function.

IV. STEAM

When system in steam interface as picture1, touch button to start steam, pressing this button to stop steam.

TEMP setting: when steam function activated, pressing button + and - to set steam temperature, TEMP range is $10-45^{\circ}$ C, step is 1° C (TEMP range in Fahrenheit: $50-110^{\circ}$ F).

TIME setting: when steam function activated, pressing button + and to set steam time, time range is from 5 mins to 60 hours, step is 5 minutes.

USER MODE

When system is in user mode interface as picture 5, touch button and to choose the user mode column, pressing button to save the TEMP and time you set.

Pressing button and to select the user mode you set, pressing button to start the steam function under the TEMP and time you set.

SET ORDER TO SWITCH ON SYSTEM

When system is in setting interface as picture 6, select "work mode" column, pressing "OK" and enter into interface as picture 7 to make setting as below.

TIME SETTING

Moving arrow to "TIMING" column, press button to set hour and press button to set minutes, hour rang is from 0-23 by one hour step, minute range is from 0-50 by 10minutes step.

WORKING MODE

Pressing buttom and to move arrow from Sunday to Monday, pressing button and to set the order to start steam, you could select One time working, repeat working based on the setting date and time, for example, if you select One, means steam working one time as preset order and won't repeat to work.

Pressing button to save working mode you set. Pressing button to exit this operation interface.

when set order to open system automatically, system will work on TEMP and working time as user 1 set, for example, user 1 set working TEMP 45°C, and working time is 30minutes, system will work on default TEMP 45°C and default time 30minutes, if user set new working time when system on, system will work on new working time.

10 mintues after the system is shut off, the draining function will be started automatically for 5 minutes.

When system is in standby state and steam function still not power on, pressing water drain button to drain water manually. Pressing this button again to stop water drain, or water drain stop when steam function work on.

V. Fahrenheit and Celsius Switch

When system in waiting state, screen show interface as shown picture 6, selecting "F/C" column, pressing OK and system enter into interface as Picture 9, pressing OK button to switch Fahrenheit and Centigrade.

VI. Factory Setting

In setting interface, move arrow to column" Factory Setting", short press button "OK" to resume factory setting data, System will work on default TEMP 45°C and default steam working time 30minutes.

WI. Real clock

When system in standby mode, select "Real Time" column on setting interface as shown on picture 6, pressing OK and screen will show interface as picture 8, pressing button and to move arrow to the data you like to set such as hour, minute, date, month, year, show real time or not after system power off, ect... Pressing button and to adjust data. Week parameters could be calculated via input date, after setting, pressing OK to save the setted parameters, pressing "ESC" to exit setting. If user didn't press OK and pressing ESC directly, the setted parameters could be saved as well.

WILBLUETOOTH MUSIC

- 1.Blutetooth music open: System is in standby mode, connected to the phone Bluetooth, select the Bluetooth interface as show in Figure 3, pressing button to power on/off Bluetooth music, when system play bluetooth music, screen shown icon.
- 2. Switch Songs:Bluetooth music is in working state, pressing button and to change song you like.
- 3. Volume adjustment: Pressing button and to adjust the volume on bluetooth interface such as "10 Db", volume adjusting range is from 0-15 level.
- 4. Bluetooth music could be disconnected automatically after 10 seconds from system shuts off, if system power on again after 10 seconds, you have to reconnect Bluetooth music by

SSB

mobile. At the same time, you have to open Bluetooth on mobile and enter password "0000", Bluetooth device name is "SANJUN MUSIC".

5. If Bluetooth on mobile disconnected, bluetooth icon flash on bluetooth interface, otherwise, icon stop flash.

ATTENTION: BLUETOOTH BOX Should be installed in place not far than 28ft from the mobile, because too far to receive bluetooth signal.

IX. Trouble shooting

When there is a fault detected by system when reality set don't tip as shown in picture 1: fault code information

Error code	Fault description	Trouble shooting		
	Signal default	LED indication light on bluetooth box is not on, please check whether the signal cable connection ok or not.		
05	Water inlet problem	Pls check whether there is water supply or the water inlet valve working or not.		
08	Temperature sensor	Pls check the TEMP sensor cable,if not good,pls kindly change the TEMP sensor		
09	Temperature sensor	Pls check the TEMP sensor cable,if not good,pls kindly change the TEMP sensor		

TECHNICAL PARAMETERS

		Working co	nditio	ons and char	acteristic	S				
Rated volta	ge Ac240/Ac220		20	0 Rated frequ		50Hz	Z			
Rated curre	nt			Rated power						
Insulation resista	Insulation resistance			Waterproof level						
	Load the configuration parameters									
Loading	Amount of load voltage Rate		Rated	load frequency Rated loa		d power	Other			
Music box	AC220V		50Hz		8W*2					
Light	AC12V				<1	5W				
Chroma light		DC12V			<20W					
Solenoid valve		DC12V			5W	*2				

Common trouble shooting methods

To facilitate your use and maintenance of sauna room, the following common trouble shooting methods are listed for reference.

Troubles	Causes of troubles	Trouble-shooting methods
The machine does not start when electrified	 The fuse is burned. The wire connection terminal becomes loose. Not good contact in the connection wire between the controller and the steam engine. 	1.Change the fuse (on the shell 0.8A/250V) 2.Plug tight the wire connection terminal 3.Make sure the steam engine and the controller come into good contact
Electricity leakage switch breaks automatically	1.The wire connector is dampened or damaged. 2.The heating tube breaks	1.Check whether the wire connector is dampened or damaged, and dry with dryer if dampened. 2.Change a heating tube.
When the machine is started, hot water comes out with little or no steam	1 The water drainage valve is broken	1. Change a water drainage valve.
The display screen on the control panel does not display	1. The power wire is not connected well or not in good contact. The connection plug between the control panel and the electrically-controlled box becomes loose. 2. Trouble with plugboard.	1.Check whether the connection plug between the control panel and the electrically-controlled box has become loose, and whether the power circuitry has good contact. 2.Change a plugboard.
Water leakage	1.The water pipe connector becomes loose or the pipe breaks 2.Water leakage in the water input valve or the waterdrainage valve	 Tighten the loose connector, and change the broken pipe. Change the water input valve or the water drainage valve.
No steam when starting the machine	1.No electricity. 2.No water. 3.The set temperature is too low 4.Troublewithwire.	1.Check the power supply 2.Check the water input pipe and water input valve 3.Reset the temperature 4.Contact the distributor
The steam does not come out, the water sounds in the machine	1. The steam pipe is jammed.	1. Cut power supply to check whether the steam pipe is smooth.
The light can not be turned on	 The fuse is burned. The light is broken The wire is broken The plug does not have good contact 	1.Change the fuse (on the shell 1A/250V) 2. Change a light bulb. 3. Change wire. 4. Make the contact good.
The display box displays normally with no steam input	1.Too much pressure inside the steam engine, so the system breaks for heat protection. 2.Wire is broken for heat protection.	1. Check the steam transport pipe and restore automatically after heat protection becomes cool. 2. Check the heat protection wire to make sure the connection is good.

Important: Consult a licensed electrician for service.

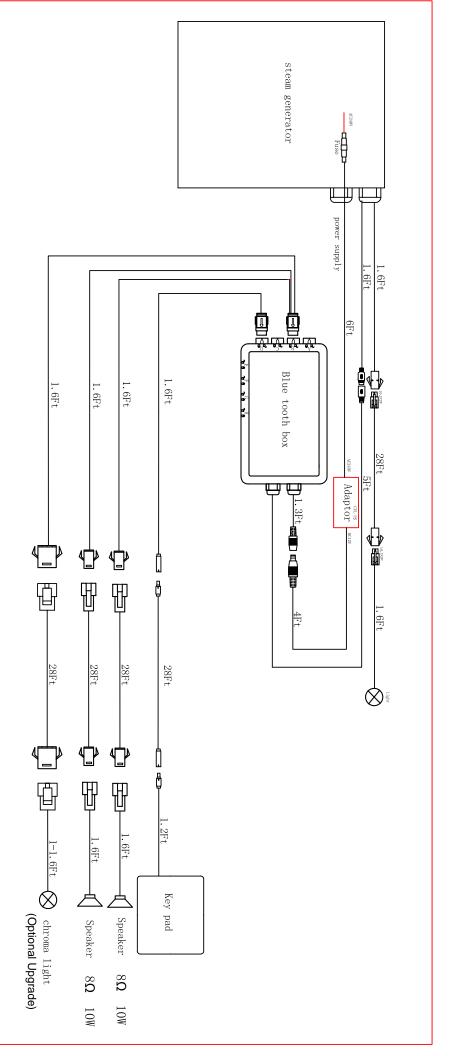
Technical parameter

TYPE: Steamcore SM

Power Output	3kW	4.5kW	6kW	7.5kW	91	κW	10.5kW	12	kW		
Power Supply	240V (1PH)	240V (1PH)	240V (1PH)	240V (1PH)	240V (1PH)	208V (3PH)	240V (1PH)	240V (1PH)			
Current(A)	12.5A	18.75A	25A	31.25A	37.5A	25A x 3	43.75A	50A			
Potency Error	±10%	±10%	±10%	±10%	±]	10%	±10%	±1	0%		
Duration	>1500V	>1500V	>1500V	>1500V	>1	500V	>1500V	>15	00V		
Resistance	>20MΩ	>20MΩ	>20MΩ	>20MΩ	>2	OMΩ	>20MΩ	>20)ΜΩ		
Mood Light	12V/40W	12V/40W	12V/40W	12V/40W	12V/40W		12V/40W	12V/40W			
Steam TEMP Range	50-10F	50-10F	50-10F	50-10F	50-10F		50-10F	50-1	0F		
Steam Time Range	~ Min	~ Min	~ Min	~ Min	~ M	in	~ Min	~ M	in		
Steam Pressure	0.12MPa	0.12MPa	0.13MPa	0.14MPa	0.14	4MPa	0.15MPa	0.16	MPa		
Steam Volume	140ml/Min	160ml/Min	180ml/Min	220ml/Min	260ml/Min		300ml/Min	360m	l/Min		
Steam Production Time	100-150S	90-120S	100-160S	90-140S	80-	-130S	180-240S	150-	160S		
Water Tank Volume	2. 5L	2. 5L	5. 7L	5. 7L	5.	7L	12L	1	2L		
Working space	3~6	4~7	5~8	6~10	8~	-12	10~13	12~	-15		_

Important: The parameter listed in the table will vary from different place and temperature, please consult with qualified designer and architect for more detailed use.





Steambath Generator Limited Warranty

S & M Steambath Generator Limited 5 year warranty

Saunacore warrants these products to be free from defects in material and workmanship and agrees to remedy any such defect. This warranty does not apply outside the boundaries of the United States or Canada, or to any product which in our sole opinion has been improperly installed, or subject to willful abuse, misuse, alteration, and shipping damages during the period of coverage. Postage and handling charges of the product to and from Saunacore for warranty repairs and for any related charges for the installation / removal of these products are NOT included in your warranty. Warranty service can be obtained by sending your product to Saunacore (Call 905-951-6662). Warranty repairs must be done only by Saunacore. Proof of purchase and a serial number of the product will be required before any services are performed. Warranty applies only to the original consumer purchaser, warranty is non-transferable. For warranty repair, the steam generator must be returned to Saunacore with an Return materials Authorization # and is to be obtained by the original consumer purchaser and must be shown on all correspondence and packing, without this RMA # returns for repairs will NOT be accepted.

Controls & Cables: First Year Parts and Labor

Steam Generator Only: First Year Parts and Labor

Steam Generator Components: 2nd year through 5th year from original consumer purchase date.

Warranty Claim Fee (Admin/Deductible Fee) Applies \$150.00

Applicable shipping costs also apply of warranty items.

Components Replacement Coverage Only.

Defective components must be returned to Saunacore for inspection

prior to receive any claim through warranty.

WARRANTY does not cover damages caused by Calcium, Lime Stone build up or corrosion to the components to the steam generator.

Warranty Registration Card						
Model #	Serial #					
Purchase Date						
Dealer Name and Adress						
Owner Name and Address						

NOTE: A COPY OF THE RECEIPT MUST ACCOMPANY THIS WARRANTY CARD.