

# Steam Generator User's Manual

Model: SIT-200

\* To use the product correctly, plese read this operation instruction carefully.

http://www.silverstar.co.kr



# ♠ Before use What is vapor generator ------3 Names of parts of product -----3 Product specification - - - - - - - - - - - - - - -Product characteristics ------Precautions of safety use -----6~10 Use Confirmation before use ------11 Assembly and use 11 Water feeding method ----- 12~13 After use 13 Cleaning method ------Others Breakdown drawing ------14 Breakdown drawing ------15 Troubleshooting

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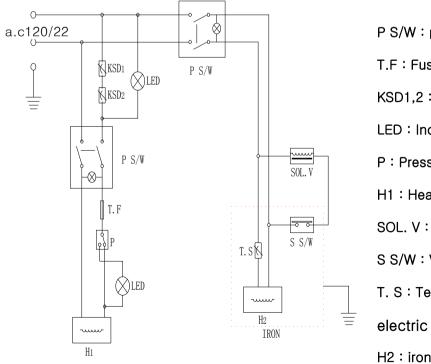
### What is vapor generator?

Vapor generator is composed of the vapour generated between pressure containers that store water and generate vapours, and the iron that can perform ironing work. Vapour generator owns basic functions of industrial boiler. Miniaturized design is easy in installation and convenient for use. It is the product that can improve work efficiency and save energy, can be used safely and conveniently in common clothes factory, mall, supermarket, tailor's shop, laundry etc..

# Product specification

Product name	Iron Table
Type	SIT-200
Voltage	120/220V~,50/60Hz
Vapour generator power	1,500W
Electric iron power	120V/800W,220V/1,000W
Motor	120/220V~,120W
Vapour pressure	3.5bars
Product weight	34kg
Product dimension	1410×420×830h

# Circuit diagram



P S/W: power switch

T.F: Fuser

KSD1,2: Temperature controller

LED: Indicator

P: Pressure switch

H1: Heater

SOL. V: Electromagnetic valve

S S/W: Vapour switch of electric iron

T. S: Temperature controller of

electric iron

H2: iron Heater

#### Product characteristics

- ♣ This product satisfies relevant technical requirements for customer's safety.
- This product is energy saving product improving basic energy consumption of boiler.
- This vapour generator has four major safety devices.
  - automatic pressure cutting switch attached
  - safety valve that can discharge pressure in the vapour container in case of excessive pressure generated because of product abnormality
  - two automatic temperature controllers preventing (over temperature attached) do you mean of over heat?
  - the fuser installed internally preventing (over temperature) (over heat) beause of failure of thermolator
- ♣ There are two specifications of this vapour generator, 120V and 220V.
  - Before it is connected to the socket for use, whether rated voltage is consistent with voltage required by the product must be confirmed.
- ♣ When electromagnetic valve is started, 2.5 ~ 4.0 BAR vapour bursts out through the iron. If the water in pressure container is used up, no vapour is generated. (feed water 10 minutes after power-off.)
- ♣ The product must be used at plain platform without heat. In case of operate on ironing table, the ironing table must have a wide surface, and can bear weight of 10~15KG.
- This product includes accessories of hook, measuring cup, funnel, measuring rod etc.
- Refer to Page 4 for other product specifications.
  Refer to Operation Instructions of the product for precautions and use method.
- ♣ In process of product use, if there is no water in the pressure container, power switch will turn off automatically and the LED indicator will light up. then water feeding should be executed according to water feeding method (page 12).

Repair or disassembly of the product at will is not permitted!

The agent nearby must be contacted to repair!

#### Precautions of safe use

- ♣ The following is indication of precautions marked to prevent occurance of accidents for correct, safe use of product. which is expected to be abided by.
- A Precautions of safe use, such as unexpected hazard caused by inadequate use, are classified by "Warning" and "Caution" according to hazard degree and emergency situation of hazard.

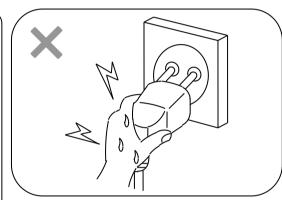


Inadequate use may Warning! cause severe injury, even fatal accident.



Inadequate use may cause Caution light injuryor accident of product damage.



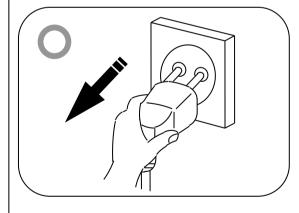


★ Wet hand is prohibited from pulling or inserting power plug

To avoid electric shock.

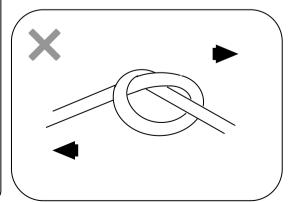
★ In case of power connection, the socket with earthing wire must be used.

<u>Power</u>



★ In case of pulling power plug, the hand must grasp the plug. Pulling plug in same method as pulling power wire with hand is prohibited.

To avoid electric shock caused by wire break.

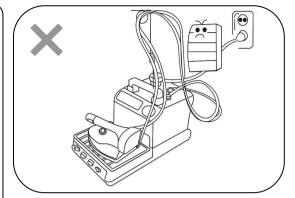


★ Use of power wire knotted is prohibited.

To avoid electric shock caused by wire break.

#### Precautions of Safe Use



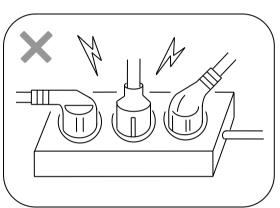


★ Power wire can not be extruded by heavy object or product.

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Short circuit of power wire may become the reason of electric shock and fire.

<u>Power</u>



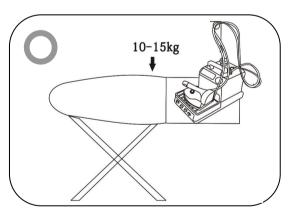
★ It must be used on the plug more than 120V/25A, 220V/15A individually.

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Many products used in the same time, may become the reason of overtemperature (over heat) and fire.



Assem bly



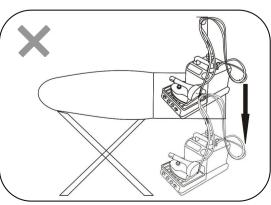
★ The product must be used on ironing table of wide area that can bear 10~15 kg weight and without inclination.

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If vapour generator falls on the ground, a damage or failure may occur.



<u>Use</u>

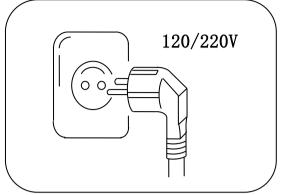


★ Vapour generator falling down from iron table should be prevented during the use or in case of use stoppage.

It may become the reason of scald, product failure, product damage.

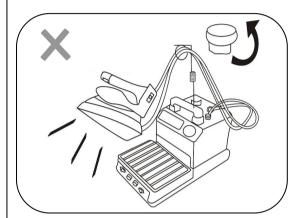
#### Precautions of Safe Use





★ It should be used after confirmation of rated voltage conforming to required voltage of product,

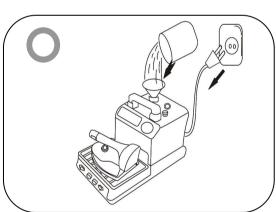
Operation of abnormal current may cause a fire.



★During use of product, safety valve should not be contacted or opened.

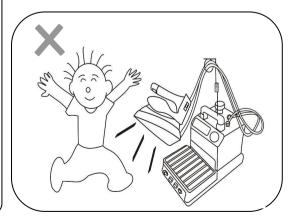
To avoid scald.

<u>Use</u>



★ Water feeding should be operated after power plug is pulled out,

Creepage caused by water leakage may cause electric shock.

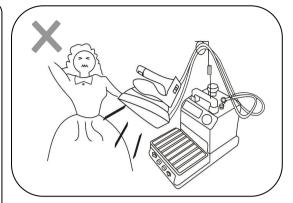


★ It should be paid special attention to that use, or contact by children should be prevented.

To avoid scald.

#### Precautions of Safe Use





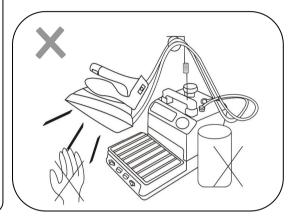
- ★ During product use, spraying at human body or contacting vapour is prohibited.
- ★ Except for iron clothes, it can not be used for other purpose.

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The vapour of high pressure and high temperature may cause

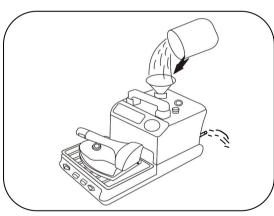
<u>Use</u>



★ During product use, as baseplate temperature is very high, contact with any object should be avoided, Attention should be paid during use.

To avoid scald.

Caution

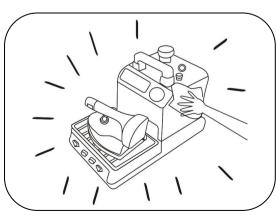


★ In case of idleness for long term, vapour generator should be kept after all water in it is cleaned and dried.

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Sediments may be caused in vapour generator kept with water.

Sweepi ng and keepin g

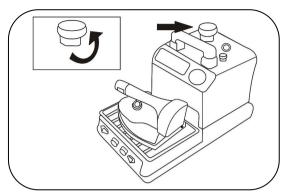


- ★ After use, the cleaning must be made after power plug is pulled out.
- ★ Washing powder or detergent can not be used for cleaning.

To avoid electric shock and shortened service life of

#### Precaution of safe use

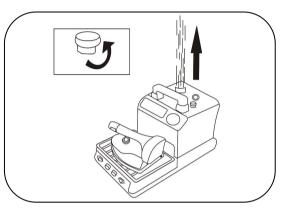




★ In case of water feeding, safety valve can not be opened completely once only.

Too high temerature in pressure container may cause a scald.

Cautio n

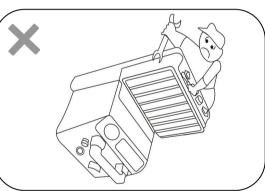


★ When water is fed into vapour generator, too high temperature in pressure container may cause water popping, to which should be paid attention specially.(Read method of water feeding in details) Water feeding should be performed after pressure in pressure container is relieved safely.

It may cause a scald.



<u>Others</u>

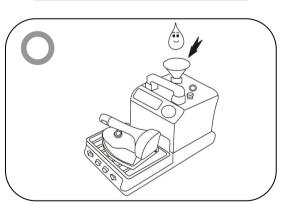


★ Product disassembly or product transformation is prohibited.

It may cause product damage and failure, electric shock.



**Others** 

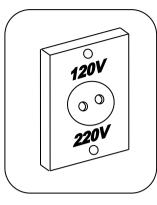


★ Clean water without foreign matters or mineral substance shall be used.

It can prolong service life of product.

\* The water can not be used: special water for iron, chemical water preventing calcium, perfume or mixture of perfume.

#### Confirmation before Use

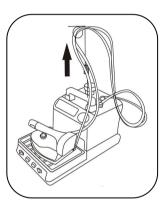


- Confirm the used voltage
- Check if the service voltage is same as the product voltage



- 2. Use in this kind of place
- Plain plateform, surface, level plane without inclination

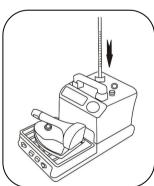
# Assembly and Use



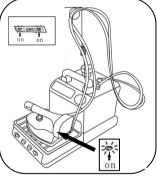
- 1. Setting of hook
- Install the hook according to the drawing, hang power wire and vapour tube on the hook.



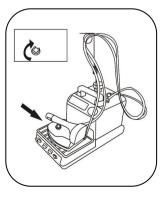
- 2. Water feeding
  Open safety valve,
- then use funnel and measuring cup to feed water into pressure container Water amount should not exceed SR-5800/2.3ℓ.SR-5800L/3.5



- 3. Confirmation of water level
- Use measuring rod to confirm water amount in pressure container (less than SR-5800/2.3ℓ,SR-5800L/3.5ℓ)After confirmation of amount of water,safety valve should be closed.



- 4. Power connection
- After confirmation
   of the voltage insert
   the plug, switch on
   power switch and iron
   switch.



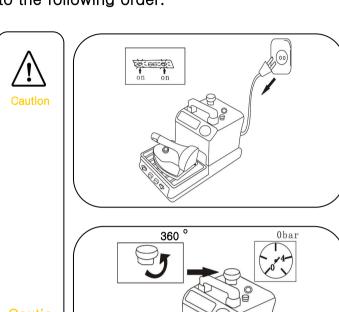
- 5. Thermolator adjusted to high temperature
- Adjust the thermolator to the position of high temperature.



- 6. Normal use
- When the pointer of pressure meter indicate 3.5 bar, LED indicator will light up. Then vapour switch can be pressed for use.

#### Water Feeding Method

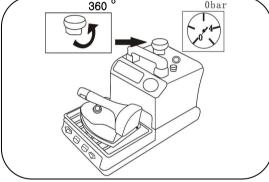
\* During use of product, if there is no water in pressure container, power switch closes automatically. After LED indicator lights up, water can be fed according to the following order.



★ Pull power plug out, close power switch and press iron switch.

Electric shock and fire may be caused.

Cautio n

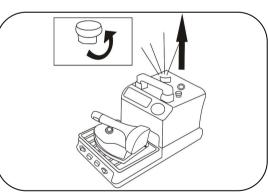


★ When opening safety valve, rotate 360° anti-clockwisely to discharge the vapour in pressure container empty slowly.

Opening safety valve once only may cause a scald.

Warning!

<u>Others</u>

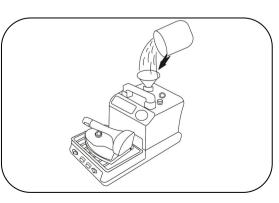


★ In case of water feeding, don't open safety valve once completely.

Over heat in pressure container may cause a scald.

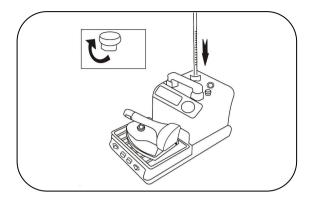


**Others** 



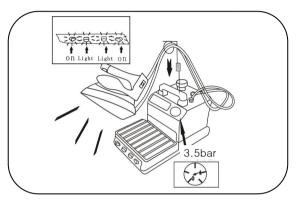
★ After the pressure in pressure container is released completely,10 minutes later, water can be fed with a funnel and measuring cup. If water feed exceeds SR-5800/2.3 ℓ,SR-5800L/3.5ℓ,it may cause water bursting out during use.

#### Water Feeding Method



water with measuring rod, pls close safety valve tightly. When closing safety valve, if excessive force is used, safety valve damage may be caused, So safety valve closing is subject to no leakage of vapour.(SR-5800 /2.3£

★ After confirming the amount of

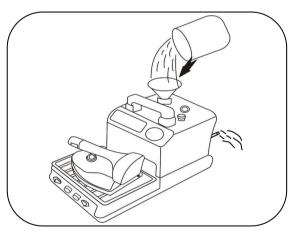


★ Plug into power socket, switch on power switch and press iron switch. After LED indicator of vapour lights up, the product can be

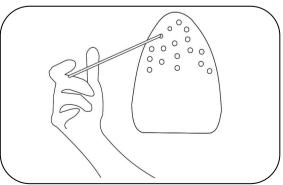
.SR-5800L/3.5l)

used.

#### Cleaning method



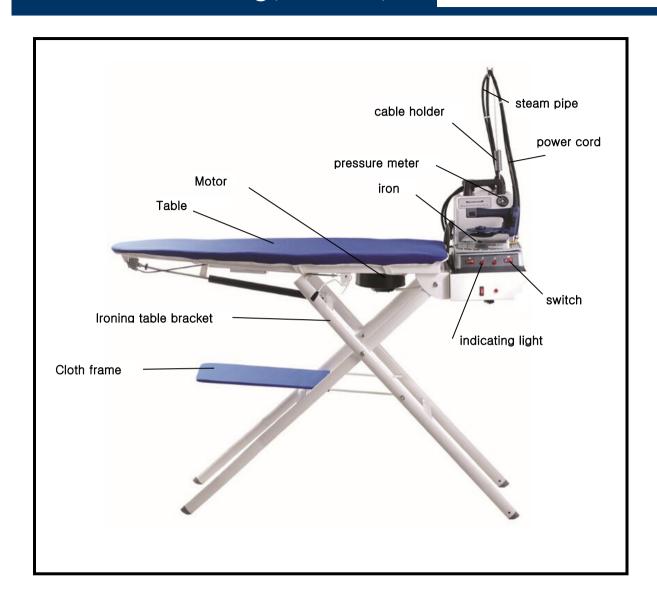
- ★ Open safety valve, feed in water about half of pressure container capacity, shake it, then pour it out. (repeat 2~3 times)
- ★ After repeated operation, power on and heat for about 15 minutes, to eliminate moisture in pressure container completely.(Safety valve should be in open state right now)
- ★ Clean once a month.
- ★ Service life can be prolonged.
- ★When disassembling, the agent should be contacted first to take any measures.



★ Vapour hole on press iron baseplate may be blocked by foreign matters, which requires cleaning by prod often.

Thus service life of press iron can be prolonged.

# Breakdown drawing(SIT-200)



# Troubleshooting

Common problems	Cause	Solution
●The indicating light in front of product is OF	<ul><li>The power is cut off.</li><li>The socket is not well connected.</li><li>Failure of socket.</li></ul>	<ul><li>Check if the socket is well connected.</li><li>Check if there is any failure of socket.</li></ul>
●The iron can't be heated up.	<ul> <li>The automatic thermoregulator is set at lowest position.</li> <li>The temperature of base plate of iron is too low.</li> <li>The switch in front of product is turned to OFF.</li> </ul>	to necessary position.
●The iron runs normally, but steam amount is little or no steam is produced.	<ul> <li>There is no water in bucket.</li> <li>The steam boiler in front of product is closed.</li> <li>The steam indicating light is not ON.</li> <li>The steam hole at base plate of iron is blocked.</li> </ul>	<ul> <li>Add water to bucket.</li> <li>Turn the switch to ON, waiting for lighting up of indicating light.</li> <li>Wait for steam indicating light to be ON.</li> <li>Contact your agent for repair when no steam is produced after taking above measures.</li> </ul>
●Water jets out from base plate of iron.	<ul> <li>Too much water in bucket.</li> <li>Auto thermoregulator is at low temperature position.</li> <li>The base plate of iron is at middle positoin.</li> </ul>	<ul> <li>Observe the water volume in bucket, and pour it out when there is too much water</li> <li>Adjust the automatic thermoregulator to necessary position.</li> <li>Wait for heating completion of base plate of iron.</li> </ul>
The hot water splashes towards around when heating water.	It occurs when cool water is added during use and if the bucket is heated.	●Refer to the use method on page 10, 12.
The steam ejects out continuously,the solenoid valve can not be closed.		•Cut off power and connect the agent for repair.
There is sufficient water in bucket, but the steam indicating light is not ON.		• Cut off power and connect the agent for repair.
●The safety valve is closed, but there is still air leakage.		Cut off power and connect the agent for repair.
<ul><li>The pressure gauge points to over 4.5bar.</li><li>During use, the steam</li></ul>	●No abnormality present, pls	Cut off power and connect the agent for repair.
indicating light is twinkling.	don't worry.	• Defeate result of the second
<ul><li>During use, spot may be left on clothes.</li></ul>	<ul><li>The inappropriate liquid or unclean water is used.</li></ul>	●Refer to page 10 for inappropriate water. Tap water should be used.

# **HEAD OFFICE & FACTORY** 104-5, Shinpyong-Ri, Shinbuk-Myoun, Pochun-Kun, Kyoungki-Do,Korea TEL:82-31-531-8131~6 FAX:82-31-531-8130 ---: silverstar@silverstar.co.kr