



Instruction for Steam Generator

6 kW 195 232

12 kW 195 234

18 kW 195 236

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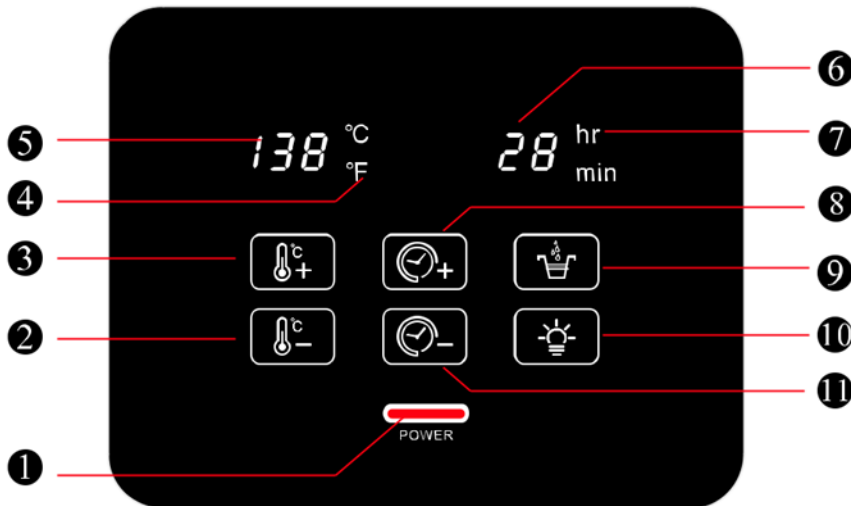


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ATTENTION!

Avoid getting pins bend inside the control cable when connecting cable from control panel to steam generator. Make sure the arrows on male and female ends are lined up correctly.



1. Power ON/OFF
2. TEMP Minus
3. TEMP add key
4. Celsius and Fahrenheit unit
5. TEMP display
6. Time display
7. Time unit indicator
8. Time add key
9. Manual drain
10. Light
11. Time minus



Warning: buzzer will beep when effective action.





1. System power on


When system get electrified, we can hear buzzer sound, button LED light on, icon LED light on, system will selfcheck after all light on for 1 second, selfcheck finished, power on/off button LED lights on always and other LED light off. System will show TEMP in Celsius by default. Defaulted working time is 8 hours. And default preset time to open system is also 8 hours.

2. Preset Open time



When system is in stand by state, touch power on/off button  and hold for 5 seconds to set the preset open time, keypad shows the countdown time to open system. Preset open time will save for next using automatically, after reach preset open time, system will start work and default steam TEMP is 45°C (113 °F). During countdown time to open, touch power on/off button  and system will start work immediately.

During preset open time and keypad shows the countdown time, touch button  and  to adjust the countdown open time you want with steps (10 mins, 20 mins, 30 mins, 40 mins, 50 mins, 1 hour, 2 hours, 3 hours ... to 24hours) . After set time, system will save it and start countdown time. When countdown time is more than 1 hour, keypad window show hour without minute. For example, countdown time is 90 minutes, window shows 1 hour only. Time is flash when setting.

3. Power On



When system is in countdown time to open and switch off state, touch power on/off button  for 1- 4 seconds to start working. TEMP window shows ambient TEMP, time window shows working time (default working time is 8 hours), default steam TEMP is 45°C (113°F), steam and light will work at same time. When ambient TEMP is higher than the preset steam TEMP, heating element stop working. When ambient TEMP is 2°C lower than the preset steam TEMP. Heating element work again.

4. Power Off



- a) When default working time reach, system will switch off automatically.
- b) When system is on, touch power on/off button  to switch off system.
- c) System will drain water for 7 minutes automatically, after 10 minutes from system switch off.
When system in stand by state, touch button  to drain water for 7 minutes manually.



5. Close time setting

When system is activated, touch button  or  to adjust steam working time, time adjust range is from 10 minutes to 20 hours (10 mins, 20 mins, 30 mins, 40 mins, 50 mins, 1 hour, 2 hour.... to 20 hours), after set, system will save working time for next using. If you don't adjust the steam working time, default working time is 8 hours.


6. Steam TEMP

When system is on, touch button  or  to adjust steam temperature you like. temperature setting range is 25°C - 68°C or 78°F - 155°F. Temp setting won't save, when system restart, default steam TEMP is 45°C or 113°F.


7. Light

When system is on, touch button  can switch on/off the light.


8. Fahrenheit and Centigrade Switch

When system in waiting state, touch button  and hold for 2 seconds can switch Fahrenheit and centigrade and temp display window display °F means Fahrenheit; display °C means centigrade. System will save it for next usage after setting.

9. Manual cleaning


- (1) Before cleaning the water tank, please be sure to drain water inside tank completely.
- (2) Power off the steam generator, put some lemon acid (crystal state) via steam outlet, for example, GS08N 9KW water tank need about 220g lemon acid with 500 - 800ml hot water; please be sure that the manual water drain ball valve switch off this time.
- (3) After putted the lemon acid inside tank, get power supply to steam generator but no turn it on. Pressing Fly shuttle button  for 2 seconds, system will enter into the cleaning procedure, water will fill the water tank automatically. TEMP window on panel shows **hot**, 59 minutes countdown time begins and show on Timer window. Steam generator will heat up water inside water tank two times in this period automatically and get water scale peeling off, when from element and water tank. When timer window shows countdown time is **00:00**, TEMP window shows **opl** from **hot**, please switch on the manual drain ball valve at this time to drain the water from water tank. When system detect lack of water for 1 minute, system will switch on the water inlet valve to get water supply to water tank so as to continue

cleaning water scale inside tank for 1 minute and drain water from manual water ball valve.

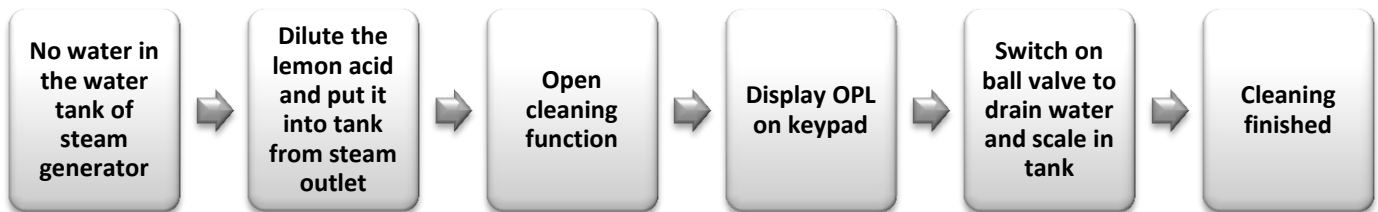
After finishing cleaning, system quite the cleaning mode automatically. When TEMP window shows **opl**, if you don't switch on the manual water drain ball valve, the control panel keeps waiting still the ball valve switch on or press the power on/off  to quit cleaning function.

(4) Water tank of steam generator should be cleaned in every 3 months, if the water is hard suggest to clean it every 2 months so as to extend the lifespan of heating element and water tank.

(5) The cleaning water must be drained through manual water drain ball valve, otherwise, scale will jam the Auto. Water drain valve.

PS: Touch button  in 10minutes after system get electrify, system will enter into clean procedure.

Cleaning procedure as below:



10. Trouble shooting

E03: Signal transfer fail between main panel and sub- panel.

E04: Signal transfer fault between control panel and steam generator.

E07: External temperature sensor short circuit.

E08: Internal temperature sensor short circuit.

E09: Internal temperature sensor open circuit.

E12, E22, E32, E42: Water inlet takes over 2 minutes.

E13, E23, E33, E43: Water inlet tank over 4 minutes.

E15, E25, E35, E45: Auto. High limit trips.