Electric Tabletop Steamer

USER'S MANUAL

(Product / Installation)

- ●MUSE-044T1 (Steam outlet 1-hole type)
- ●MUSE-044T4 (Steam outlet 4-hole type)
- ●MUSE-055T1 (Steam outlet 1-hole type)
- ●MUSE-055T9 (Steam outlet 9-hole type)
- ●MUSE-A055T1 (Steam outlet 1-hole type)
- ●MUSE-A055T9 (Steam outlet 9-hole type)

General commercial kitchen Appliances & Equipment

MARUZEN Co., Ltd.

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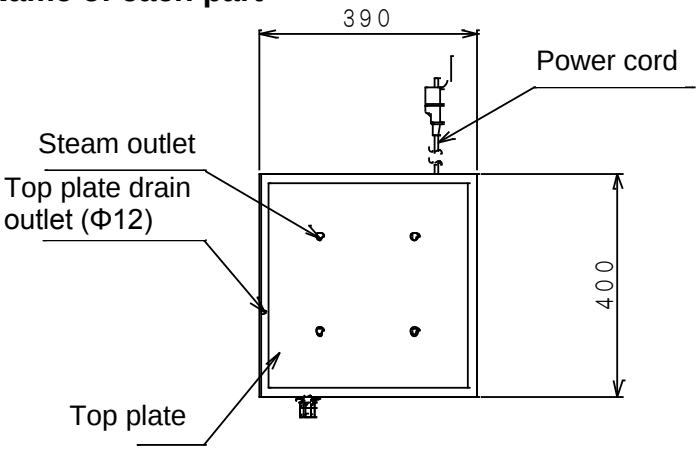
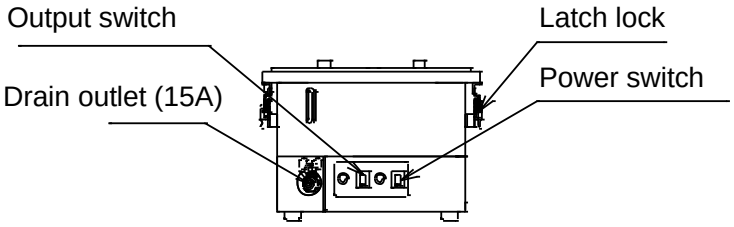
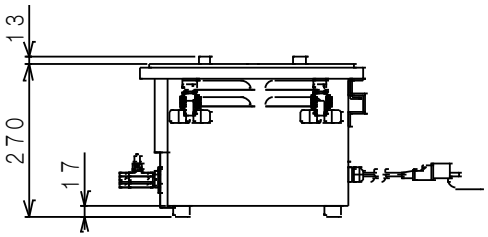
1 — 1 Name and function of each part

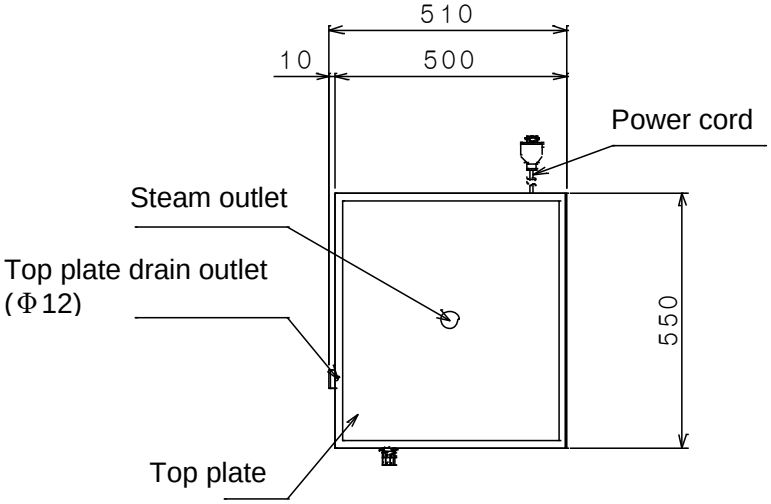
Name of each part



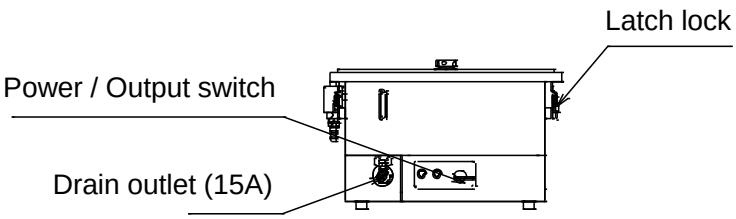
MUSE—044T4

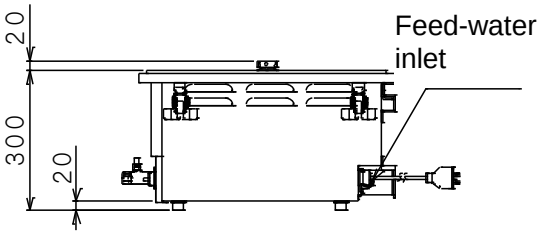






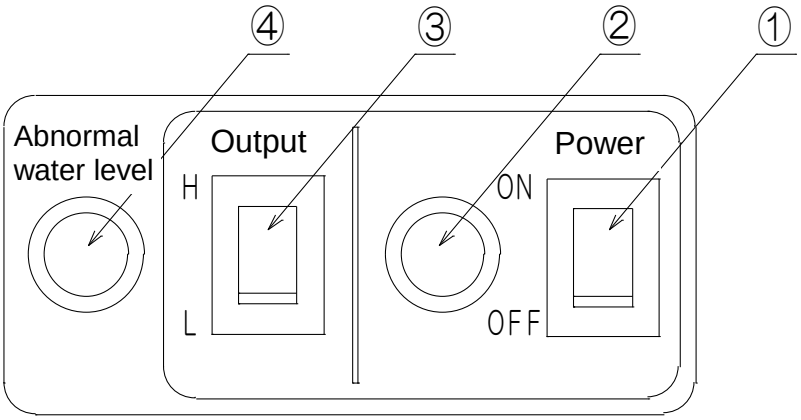
MUSE—A055T1





Name and function of operation panel section

＜100 type＞

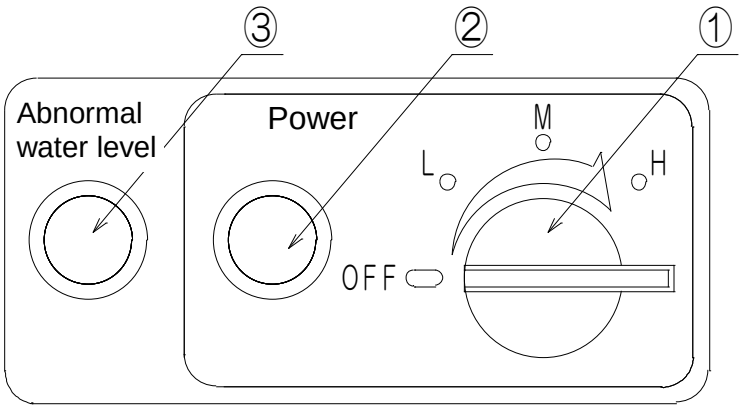


① Power switch·····This switch turns the power "ON" and "OFF".
② Power lamp (green)·····Lights up when the power is "ON".
③ Output switch·····This switch switches the output to "L" or "H".

H (HI): All heaters heated (2 heaters)
L (LOW): 1 heater heated

④ Abnormal water level light (red)···Lights up when the amount of water in the tank drops to a certain level.

＜200V Type＞



① Power / Output switch·····This switch turns the power "ON" and "OFF" and switches the output between "L", "M", and "H".

H (HI): All heaters heated (3 heaters)
M (MID): 2 heaters heated
L (LOW): 1 heater heated

② Power light (green)·····Lights up when the power is "ON".
③ Abnormal water level light (red)···Lights up when the amount of water in the tank drops to a certain level.

1－2 Accessories

Name of Accessory	Shape	Q'ty	How to use
Silicon hose		1	●Attached to all models.
Hose clamp		1	●Attached to all models.
Y strainer		1	●Attached to automatic water supply system.
Flexible nipple		1	●Attached to automatic water supply system.
Blade hose		1	●Attached to automatic water supply system.
φ16 Hose outlet		1	●Attached to automatic water supply system.
Hose band		2	●Attached to automatic water supply system.

The following items are available as optional accessories. You can also buy more of the same accessories listed above. Contact the dealer that sold you the equipment.

Name of Accessory	Shape	How to use
Wooden square steamer basket (For 100V Type)		●30, 33 cm ●Main flame, Bamboo mat, and Lid with handle are sold separately.
Chinese steamer basket (For 100V Type)		●30, 33 cm ●Main flame, Sole fame, and Lid are sold separately.
Wooden square steamer basket (For 200V Type)		●39, 42 cm ●Main flame, Bamboo mat, and Lid with handle are sold separately.
Chinese steamer basket (For 200V Type)		●39, 42 cm ●Main flame, Sole fame, and Lid are sold separately.
Mini Chinese steamer basket		●15 cm ●Main flame and Lid are sold separately.
Water softener (FX-21 OS)		●Cartridge-type water softeners require cartridge replacement every 3-6 months depending on water quality and frequency of use.
Outlet cap		●Used for models that use Mini Chinese steamer basket. ●Attaching to an unused steam outlet reduces the generation of excess steam. ●If the steam outlet is blocked too much, steam may leak from the side of the top board. The number of steam outlets to be capped is limited to 6 for 200V types and 2 for 100V types.

2－1 Preparation before use

⚠ WARNING

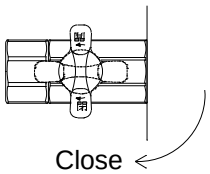
- **Do not place or use spray cans, or combustible, volatile or inflammable substance near the machine.**
- **Turn on ventilating facilities such as exhaust fan while in use.**

⚠ CAUTION

- **Do not place any material weak to heat near the machine.**
- **Do not touch electrical components such as power plug or operate electric switches with wet hands.**
- **In case of any component or accessory broken, do not continue to use.**
- **Do not use when the machine is dirty.**
- **Do not use any tools or accessories other than the designated ones.**
- **Do not dry-heat.**
- **Do not use for any purpose other than cooking.**

1) Preparation before use

① Drain the water from the tank and close the drainage cock.

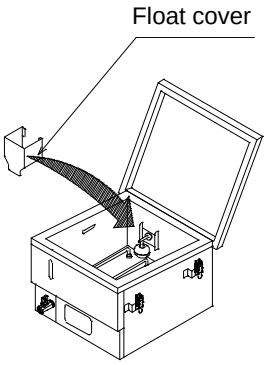


② Make sure that the parts used are properly installed.

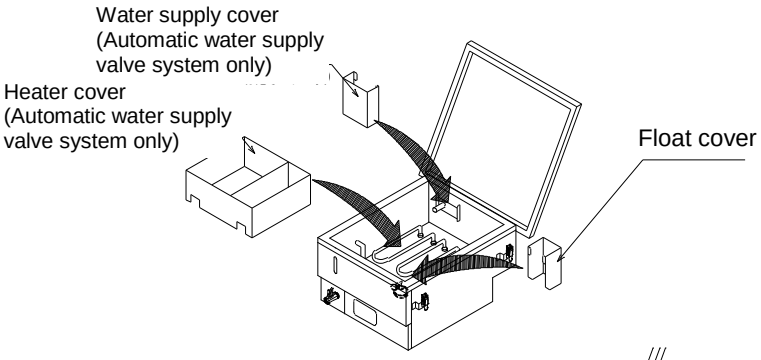
- Make sure the float cover is installed.

※For automatic water supply system, water supply cover, heater cover and float cover must be installed before use.

100V Type

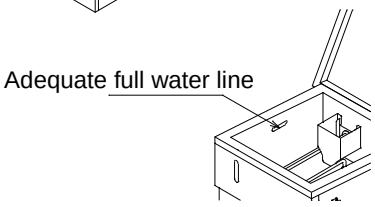


200V Type (Figure is automatic water supply system)



③ The manual water supply system fills the with water or hot water.

The position of the proper full water line is marked on the side of the tank.
(100V Type：About 9L, 200V Type：About 18L)

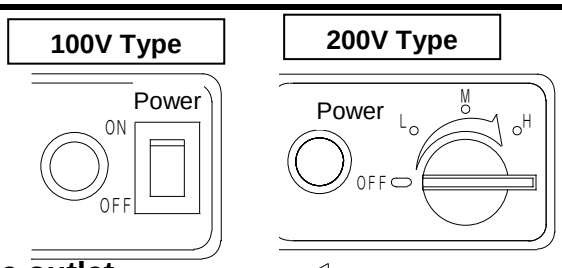


⚠ CAUTION

- **Do not add hot or cold water above the proper water level.**
- **Be careful not to burn yourself when adding hot water.**

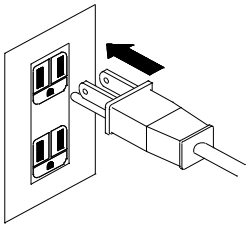
④ Turn on the ventilating facilities to ventilate the area.

⑤ **Make sure the power switch is OFF.**
If the power switch is ON, turn it OFF.



⑥ **For 100V type, insert the power plug into the outlet.**

⑦ **Turn on the main power supply (local switch).**



How to use

2－2 Basic usage

⚠ WARNING

- **Do not place or use spray cans, or combustible, volatile or inflammable substance near the machine.**
- **In case of abnormality, or earthquake or fire, stop the use and turn the main power (local switch/outlet) off .**
- **Always run ventilation fans and other ventilation equipment during use.**
- **Do not leave the machine unattended while in use.**
- **Do not let children operate the machine.**
- **Turn off the main power source (local switch/outlet) and close main water valve after operation.**

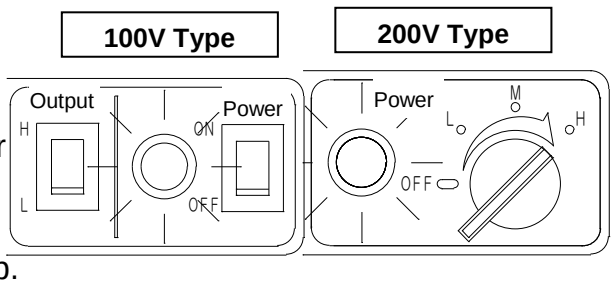
⚠ CAUTION

- **Do not take out cooked food with bare hands.**
- **Do not touch any part other than the operation part while in use and just after use.**
- **Do not touch electrical components or operate electrical switches with wet hands.**
- **Do not dry-heat.**
- **Do not cool rapidly.**
- **Not to be used for any purpose other than cooking.**
- **Do not operate or stop the equipment by unplugging or plugging in the power plug.**
- **Do not pour boiling water directly down the drain.**
- **Check drainage fixtures and drainage pipes for blockages.**

1) Normal operation method

① **100V Type：After pressing the “power switch” to turn on the power, set the “output switch” to “H”.**
200V Type：Turn the “power/output switch” and set to “H”.

- The power light (green) lights up.
  Wait until it starts up.
- Automatic water supply system starts water supply.
  Water is being supplied while the abnormal water level light (red) is lighted up.



2) Cooking method

①Start cooking when steam begins to belch out from the appliance.

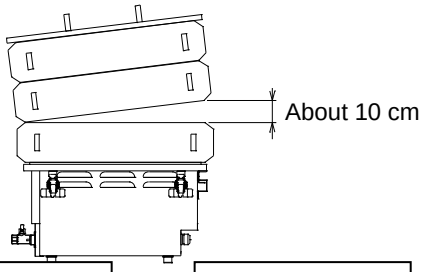
- Place the pre-cooked food on the steamer basket and set it on the equipment.
- Adjust the output to "L", "M", or "H" with the "output switch" depending on the food to be cooked.

100V Type
- H (HI): All heaters heated (2 heaters)
- L (LOW): 1 heater heated

200V Type
- H (HI): All heaters heated (3 heaters)
- M (MID): 2 heaters heated
- L (LOW): 1 heater heated

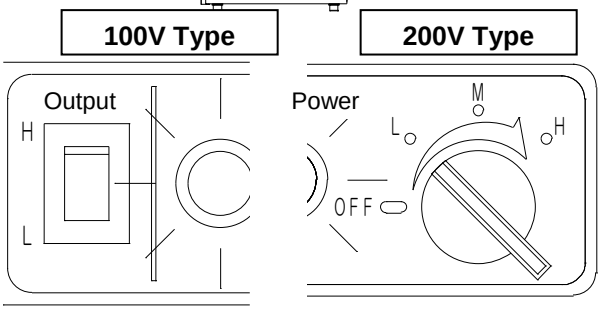
②How to remove cooked food

Lift up the back of the upper tier slowly by about 10 cm to exhaust the steam to some extent, then remove the entire upper tier and take out the required steam basket.

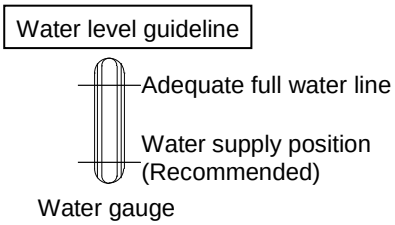


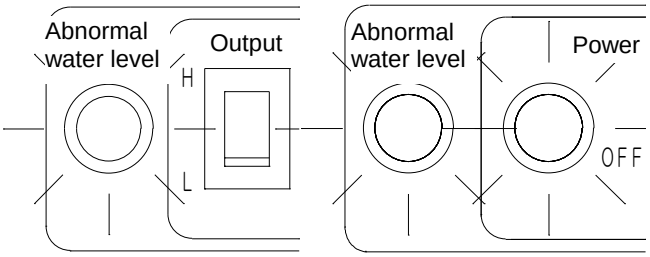
※ To keep warm, set the "output switch" to "L".

Operates with reduced steam volume.



※For manual water supply system, supply water while checking the water gauge on the front panel (see the figure on the right for the water level position) or when the abnormal water level light (red) lights up.
Open the top plate and fill with water or hot water.





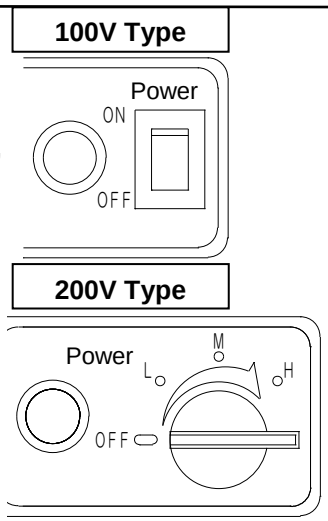
⚠ CAUTION

- **The top plate is hot. Wear dry heat-resistant gloves and open the top plate. Opening with bare hands or wet heat-resistant gloves may cause burns.**
- **Do not add hot or cold water above the proper water level.**
- **Be careful not to burn yourself when adding hot water.**

3) Finish the operation

①**100V Type: Press the "power switch" to turn off the power.**
200V Type: Turn the "power / output switch" to turn off the power.
The power light (green) turns off and operation stops.

② **Turn off the main power supply (local switch/outlet).**



⚠ CAUTION

●**During and immediately after operation, the main body of the equipment is hot. Do not touch anything other than the operation part (knobs, etc.).**

How to use

2－3 Drainage

⚠ WARNING

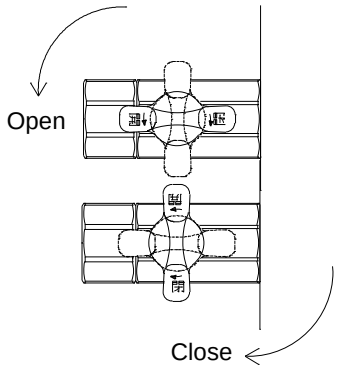
●**Drainage should be done after the water has cooled (about 40°C).**
It is very dangerous to drain water when water is hot.

⚠ CAUTION

●**When draining, drain the water gently and gradually.**

① **Make sure the water is cool, and turn the drain handle slowly toward the "Open" position.**

②**When the water in the tank is completely drained, turn the drain handle toward the "Close" position.**



How to use

2－4 In case of a power outage while in use

In case of a power outage, the machine cannot be used.
Wait until the power is restored.

1) In case of a power outage during operation.

①**Turn off the main power supply (local switch/outlet).**

Operation will resume automatically when power is restored. When power outage occurs, press the “power switch” to turn off the power.

②To resume operation after a power outage, press the "power switch" to turn on the power.

2) In case of a power outage while not in operation.

The machine is not affected if the power is off. Turn on the power and operate as usual.

How to use

2－5 Other usage and Handling

1) Descaling

●Scale build-up in the tank can lead to component failure.

●For descaling agents, contact the dealer that sold you the equipment.

●When this cleaning is done, it should be done after the end of the day's work, as it takes time to remove the dirt. For descaling and rinsing methods, refer to “3-2 Scale disposal”.

＜Automatic water supply system＞

2) About Water softeners

●Cartridge replacement in the water softener is required every six months to less than one year.

●Replacement time depends on water usage and water quality.

●For replacement, Contact the dealer that sold you the equipment. The serviceman will do this.

●For more information, see the user’s manual for the water softener.

⚠ CAUTION

●Failure to replace the cartridge in a timely manner can lead to equipment failure, such as chalky deposits in the cabinet and clogged water supply nozzles.
Do not delay the replacement time.

3－1 Maintenance

⚠ DANGER

- **If you notice an electrical leak, stop using immediately and turn the main power (local switch/outlet) off. Contact the dealer that sold you the machine.**
- **Do not put anything in the switch holes or gaps.**

⚠ WARNING

- **Do not splash water directly onto the exterior machine.**
- **When performing maintenance or inspection, turn off main power (local switch) and wait until the machine is completely cooled down.**
- **After cleaning the main body and parts, be sure to dry them well and install them in place.**

⚠ CAUTION

- **After using the machine, be sure to clean at least once a day by removing dust and other dirt attached to the machine.**
- **Do not splash water directly onto the main body, especially the operation panel.**
- **Always wear rubber gloves for cleaning.**
- **Do not use polishing powder (cleanser). The machine gets scratches.**
- **Do not use benzene, thinner, or similar products.**

《ADVICE》

- **Make sure to clean the machine every time after work and keep it clean.**

1) Preparation for maintenance

①Wear the rubber glove, etc.

- If you do not wear gloves, you may be injured by the corners of the equipment.

②Make sure the machine has cooled down.

- There is a risk of burns if the equipment is not cooled sufficiently.

③Turn the main power (local switch) connected to the machine off.

- To prevent electric shock, do not turn the main power 「On / Off」 with wet hands.
- When plugging in or unplugging the power supply, hold the plug at the end without forcibly pulling on the cord.

2) Cleaning exterior machine (Once a day)

- Wipe off any dirt with a dry or wet cloth tightly wrung.
- If the stain is severe, wipe off the stain by tightly wringing a cloth moistened with neutral detergent.
- The power plug should be cleaned regularly because depending on the installation and usage environment, dust and dirt may accumulate even for a short period of time, which could result in a fire.

3) Cleaning the tank (Once a day)

- Wipe off any dirt with a dry or wet cloth tightly wrung.
- If the stain is severe, wipe off the stain by tightly wringing a cloth moistened with neutral detergent.
- When cleaning the inside of the tank, hold down or remove the top plate while cleaning, as hands may get caught in the top plate and cause injury.
- Dirt on the sensors (heat-sensitive rods and float switches) in the tank can cause dry-heat, so clean them frequently.
- After cleaning, fill the tank with clean water to the proper water level.

※When cleaning the tank, be careful not to damage any of the sensors.
Also, do not remove.

※To open the top plate, remove the locking latches and lift the top plate.

⚠ CAUTION

●**If the tanks are not cleaned properly, rust will form and the tanks will crack due to corrosion, making them unusable.**

●**Cleaning must be done once a day after work is completed.**

※Causes of Rust

- Salt, acid, dirt, etc. are left on the surface.
- Iron, red rust, etc. are adhering to the surface.
- The use of chemicals or liquids such as chlorine or ozonated water.

※**If left unattended with salt, dirt, etc. adhering to the stainless steel, rust (corrosion) will progress, leading to cracks and pitting (pinholes) in the stainless steel.**

※To prevent rust (corrosion) from occurring, stainless steel surfaces must be kept clean.

●**Be sure to wear rubber gloves to prevent injury from corners of the equipment during cleaning.**

4) Cleaning the drain

Remove any dust or other dirt left in the drain.

3－2 Inspection

⚠ CAUTION

- **If you notice a leakage of electricity, stop using it immediately, turn off the main power source (switchgear and outlet), and Contact the dealer that sold you the equipment.**
- **Do not put anything in the switch holes or gaps.**

⚠ WARNING

- **Do not splash water directly onto the exterior machine.**
- **When performing maintenance or inspection, turn off main power (local switch) and wait until the machine is completely cooled down.**
- **Do not touch electrical components or operate electrical switches with wet hands.**

⚠ CAUTION

- **Do not modify or disassemble.**

In order to use the product safely for a long time, be sure to perform the maintenance and inspection below. Also, be sure to perform inspection when using for the first time after a long-term disuse.

1) Inspection

- Whether there is no combustibles nearby ····· Remove such combustibles.
- Whether drain outlet is not clogged ····· Remove dust.
- Whether the power cord is not damaged ····· Contact the dealer.
- Whether the combustion is normal ····· Contact the dealer.
- Whether each part is not broken ····· Contact the dealer.
- Whether there is no abnormal noise ····· Contact the dealer.

2) Recommendation for periodical inspection

Please request the dealer where you purchased the machine for inspection at least twice a year.

3－3 Overheat protection device

The product has a high limit as an overheat protection device to stop the heater from overheating. If you suspect that the high limit has been activated, take the following steps.

※If the high limit is activated, the power light does not light up when the power is turned on.

① Turn the power “OFF”.
② Turn off the main power (local switch and outlet).
③ After that, contact the dealer.

※High limit is a safety device. Make sure that it is installed securely. Any repairing work which interferes with its function may cause fire; it is strictly prohibited.

3－4 Trouble shooting

⚠ WARNING

- **Do not modify or disassemble.**
- **When performing maintenance or inspection, turn off main power (local switch) and wait until the machine is completely cooled down.**
- **In case of abnormality, stop the use, turn off the main power (local switch/ outlet).**

When no abnormality is displayed

How to identify failures and abnormalities and how to deal with them

Please check the table below before requesting repair.

Symptom / Cause	Power is not turned on.	Heater does not heat.	Not supplied with water (automatic water supply system).	Water supply does not stop (automatic water supply system).	Not draining.	Countermeasure
Local switch is out.	○					Turn on the local switch.
Power plug is not plugged in.	○					Plug in the power supply.
Low water level in the tank.		○				Fill water to the water line. (Manual water supply system)
Abnormality of water level detection sensor.		○	○	○		Turn off the main power (local switch/outlet) and contact the dealer.
Heater disconnection.		○				Turn off the main power (local switch/outlet) and contact the dealer.
Dust clogging in the pressure reducing check valve			○			Turn off the main power (local switch/outlet) and contact the dealer.
Clogged solenoid valve.				○		Turn off the main power (local switch/outlet) and contact the dealer.
High limit is activated.	○	○	○			Turn off the main power (local switch/outlet) and contact the dealer.
Drainage cock closed.					○	Open drainage cock.
Dust in the drains.					○	Remove dust and dirt from drains.
Drainpipe is clogged with dust and cannot drain.					○	Clean the drainpipe.

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