M6S Steam Cleaner Operation Manual

Notice for use

-Thank you for buying MASTO steam cleaner, we are dedicated to provide you with high quality products.

-Please check if your ordered product is in good shipment condition, with the correct accessories, any damage during transportation, please contact us or the local distributors in time if you find any problems.

-This manual gives instructions on the correct operation, it's important that you fallow this instructions carefully.

-If there is any change in the product (including the specification), we won't inform you any mare.

Warning

To ensure the product long-time stable working, please read this manual carefully before your use, transportation, repair or maintenance. In order to fully understand the safety problems, the technical data and operating methods of the machine and other related notices points.

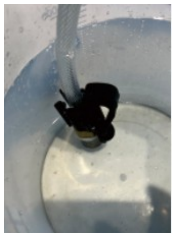
Caution

Note the following points during use

1.Make sure the water tank was filled with clean water or the external inlet hose is in the bucket, start the machine in "COOL" mode to make the self-priming function is normal and avoid machine in dry running and get in dry burning protection.



Open the tank cover and fulfill the water tank



Or put the external inlet hose in bucket

2.The maximum power of this machine is 3300W, please use it under the range of power supply, if the general domestic power line cannot bear and trip, please use small steam or 2200W "HOT" water function, do not use large steam and 3300W "HOT" water function, so as not to burn out the circuit.

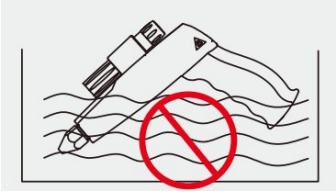
3.Strong acid detergent is not allowed. We are unable to accept any liability in case of blockage or breakage for non conforming usage.





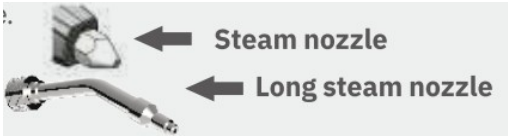
Strong acid

4.Spray gun soaked in the water is not allowed, to avoid any internal parts damaged.

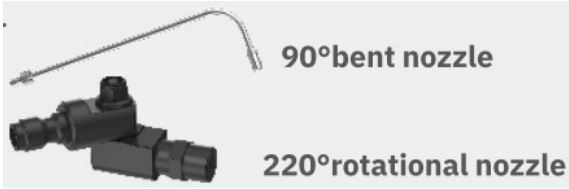


Non soak

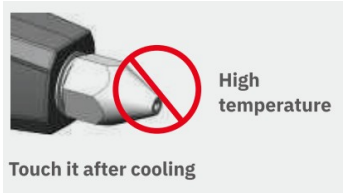
5.φ2mm short and long spray nozzles are just used on steam mode.



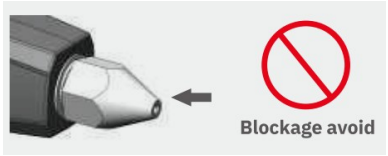
220°rotational nozzle and 90° bent nozzle should be used in HOT and COOL mode. STEAM mode is not allowed.



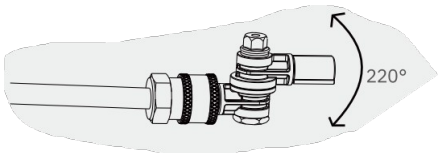
6.Do not touch directly by hands as the internal heater and steam nozzle temperature is very high after using steam and hot water function.



7.Please check if any blockage in nozzle vent hole if poor steam. While scale will be created after long time using. Please use citric acid to make the discaling.



8.Direction can be adjusted by left or right turning. The rotational nozzle only used on cool water and hot water mode.



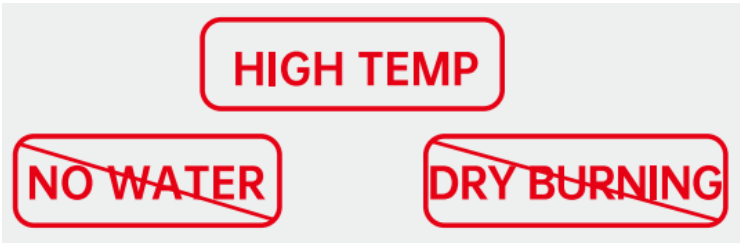
9.It will take about 25-30s to create steam when you start ”STEAM” mode. It is normal when the water reserved in the pipe line automatically drained before the steam is out.



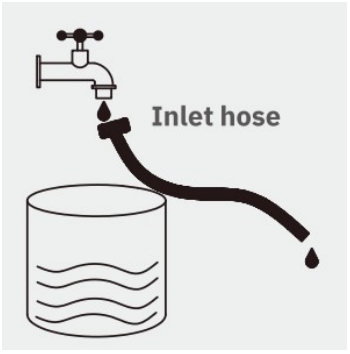
10.Please use “COOL” mode to drain out the inside water before you shut down this machine. “STEAM” or “HOT” water mode is forbidden.



11.“High Temp” warning will light on the LCD display and indicate over-temperature. Please check if the inlet filter's blockage caused the poor water suction or shortage. Clean the filter and machine will resume working after 20minutes cooling.



12.If the machine cannot do self-priming, please fulfill with water into pipe and pump until outlet over flows, then it will resume normal working.



13.Please stop working immediately once the machine gets wet, plug off. Dry off and let it dry naturally before you re-start it.



14.Don't spray to any people, pets and machine itself to avoid accident during operation.



Attention in “HOT" water mode

1.Corrosive detergents are not allowed. We are unable to accept any liability it it caused corrosion or damage.

2.The “HOT” mode can be adjusted to 3options, high, medium and low pressure, the temperature can be adjusted to 3options, High temp(3300W), Medium temp(2200W), and Low temp(1100W).

3.You can adjust the water temperature and pressure according your different needs, the normal temperature water can be directly heated to 60℃， and the circulating hot water can reach 100℃, to achieve better cleaning.

4.Be sure to clean the internal line of the machine with clean water after each use.

Attention in “STEAM" mode

1.Make sure the water tank is full of water or the external inlet hose is in the bucket with clean water, start the machine with “COOL" mode firstly to avoid machine in dry running and get in dry-burning.
2.Be sure used with clean water, detergent or dirty water is not allowed.
3.Adult operate only
4.Inlet water temperature should be no more than 50℃,
5.Do not block the steam ejection vent during operation, to avoid the high inner pressure, and cause the serious damage.
6.There will be a preheating procedure when start the "STEAM" mode, so water spillage is normal.
7.Clean inlet filter before use to avoid blockage.
8.There will be 3 second's cool water extension, be careful of high pressure and high temperature water during this extension,
9.Please choose "COOL" water mode to drain off the inside water after use. It will cause “HGH TEMP" warning if choose "HOT" water or "STEAM" for drainage.
10.Machine will switch to “C00L" mode automatically if “High Temp" light on the LCD and enclosed with voice alarm, “STEAM" mode will resume working when the temperature is cool down.

Product instruction

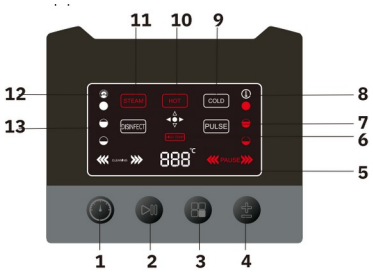
Product overview

MASTO steam cleaner can be used in household appliances such as air conditioner, lampblack machine, refrigerator, washing machine, water heater, water dispenser, etc.
The machine applied the instant high-temperature working principle. Realize the dis-assembly free cleaning for air conditioner and fume hood. Clean the harmful substances such as scale and rust in drinking water machine, water heater and other household appliances through circulation washing.
It has super strong ozone sterilization technology, which can completely sterilize the areas where are easy to breed, such as drinking machine, washing machine, refrigerator and so on. The bactericidal rate is 99.9%.

The machine feature as below:
-High temperature and high-pressure steam, pure physical sterilization and disinfection
-Multiple stage water temperature to meet the requirements of different working conditions
-LCD touch display, voice reminder, more humanized operation
-Intelligent spray gun, one-touch operation during operation, convenient function selection
-Steam, hot water and cold-water flow in and out of the same pipeline, simple maintenance
-Super ozone sterilization, Prevent bacteria
-Drum pump body structure, freely retractable inlet and outlet pipes

2.2 Operation KEY instruction

Remark:
The steam moisture can not be adjusted remotely by multi-functional spray gun, only by pressing "temperature / moisture" on the control panel.



	PLUG IN CORRECT POWER(Minimum 230V,16A) **STOP USE 3300W "STEAM" AND 3300W "HOT" MODE IF TRIP**
Adjustment Keys	1 a) H-M-L pressure switched in "COOL" water and "HOT" water mode b) Big-Small steam switched in "STEAM" mode
	2 START/STOP
	3 Cleaning mode switches
	4 H-M-L temp adjustment in "HOT" water and moisture adjustment in "STEAM" mode
Cleaning mode Keys	5 Indicate the outlet water or steam's temperature
	6 "HIGH TEMP" warning, Overheat protection
	8 H-M-L temperature or moisture's indication
	12 "H-M-L Pressure" or "Big-Small steam" indications
Cleaning mode Keys	9 3 modes of pressure can be adjusted in "COOL" water mode
	10/a) 3 modes of pressure can be adjusted in "HOT" mode b) 3 modes of temperature can be adjusted in "HOT" mode
	11 2modes of Steam cleaning mode
	13 Ozone disinfection
	7 Pulse cleaning

Remote-control Spray Gun

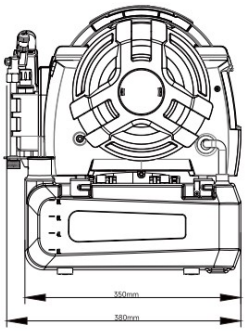
The spray gun reached the muti-function of water pressure adjustment, cleaning mode switching, START/STOP through remote action. Turn on light when in dark place.

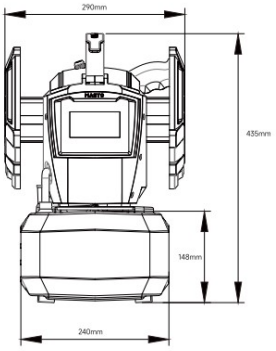
2 different functions under STOP/START status.

A,When machine is in "STOP" status, press the "FUNCTION" key to choose your cleaning mode "COOL" water, "HOT" water, "STEAM", "DISINFECT", "PULSE"
B,When machine is on operation in "COOL" or "HOT" mode, press the "FUNCTION" key to adjust water pressure.
C,When machine is on operation in "STEAM" mode, press the "FUNCTION" key to adjust steam pressure.



Measurement(mm)





Technical l da ta

COOL/HOT water mode	
Voltage	230V-/50-60Hz
Power(HOT water)	High 3300W Medium 2200W Low 1100W
Suction lift	1.5m
Pressure	3-6bar
Flow rate	3L/min
Temp	85-100℃(circle)
Inlet hose	1.5m
Outlet hose	4.0m
STEAM cleaning mode	
Voltage	230V-/50-60Hz
Power	Big steam: 3300W Small steam: 2200W
Temperature	120-150℃
Continuous working	3 hour
Outlet hose	4m

“DISINFECT" MODE(O_3, black hose)	
Voltage	230V~/50-60Hz
Power	8W
Air purification	51-150L/h
Bactericidal rate	99.9%
Algaecidal rate	99.9%

Ozone	300mg/h
Ambient temp	-10℃~+60℃
Outlet	2.5m
MEASUREMENT(mm)	
L	380mm
W	290mm
H	435mm
Water tank	10L
Weight	7.3kg

Accessories



Long Steam Nozzle

90°Bent Spray Nozzle

37cm Extension Rod with connector

220°Rotational Spray Nozzle

Nylon Brush Steel Brush Copper Brush Round Brush (Nylon)



② 220° Rotational Spray Nozzle use with 37cm extension rod

①Long Steam Nozzle's  usage

③ Rotation Spray Nozzle use with 37cm extension rod

Operation procedure

Inspection before Operation

Please check any damage of products and accessories, any blockage of filter and nozzle, any abnormal for assemble or connection before your operation.

Correct usage

1- Make sure the water tank is fulfill with the clean water or the inlet hose is in the bucket.

2- Plug in correct AC power (230V/16A), then make the leakage testing. Start the operation after LCD display lights and Voice prompts

3- Put the spray nozzle towards the tank or bucket, then select your cleaning mode (COOL, HOT, STEAM, DISINFECT, PULSE) through

touching keys on LCD or Muti-function Spray Gun, adjust the pressure and temperature according your requirement.

4- 220° rotational nozzle should be just used in "HOT" water and "COOL" water mode. Direction can be adjusted by left or right turning from 0-220°,water shape is 25°.

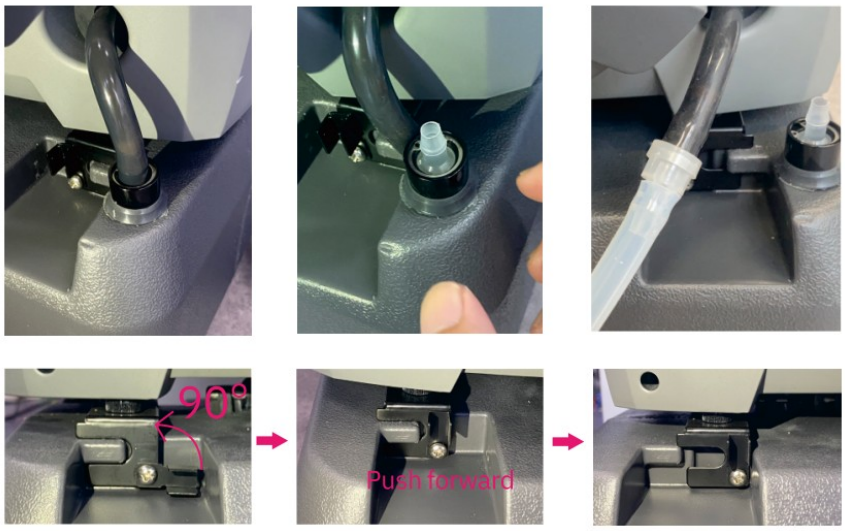
φ2mm spray nozzle is just used on "STEAM" function only.

5- Please switch to "C0OL" water mode and last for 10seconds after use "STEAM" or "HOT" mode, to cool down the inner heater quickly.

6- 140 ℃-150 ℃is in big "STEAM" mode, 130 ℃-140 ℃is in small "STEAM" mode.

7- Press "RESET" key on the PLUG for short-time shut down.

Separated from original water tank & connect with External inlet hose



Maintenance

Descaling

After long-term use, calcium sulfate containing slightly soluble in water will be separated out due to water evaporation, and carbonate in water will combine with calcium and magnesium plasma to generate water-insoluble calcium carbonate, that is, aqueous alkali. With the continuous evaporation and concentration of water, the content of water alkali increase continuously, and the scale is formed after reaching saturation. **“high temp” warning will occur frequently.** Timely treatment of scale will greatly help the normal use of the machine and prolong the service life of the machine.

Descaling Steps:

1. Prepare a 3-5L containers(buckets or washbasins) and fill them with clean water;
2. Put the inlet hose in the container;
3. Connect the power supply of the cleaning equipment, adjust it to the “high” grade of “hot” water mode, start the machine and start circulating heating;
4. When the water temperature display on the washing machine display reaches 60℃, stop heating and pour food grade citric acid into the container(In the proportion of 20-60g citric acid: 1L clean water);
5. Press the mode key to adjust to the “cold water” mode to cycle for 15-20 minutes; Then stop the equipment and replace with clean water;
6. Restart the machine and run in “cold water” mode for 3 minutes to clean the residual chemicals in the machine.

We recommend you to make the descaling after 3-5 time usage

Trouble shooting

Problem	Cause	Action
No lighting when plug in	Plug loose or switch plug “OFF”.	Plug again or switch plug “ON”.
Stop working during operation	Circuit or Socket’s overloading	Use the high-loading circuit or socket
Low pressure of nozzle	Air in the pipe	Disassemble the spray gun and fit again after the machine ‘start working.
	Blockage in the filter	Clean the filter
	Dirt inside the nozzle	Clean the nozzle
No water outcoming during the operation	Water tank is empty	Fulfill the water tank with clean water
	Inlet filter blockage	Clean filter
No steam or big and small in sudden	The water tank is empty	Fulfill the water tank
	Inlet filter blockage	Clean filter
	Overheat protection	Re-start after 20m shutdown cooling
	Dirt water	Use the clean water
Water leakage	Loosen connection	Fasten the connection
	Sealing losing	Change sealing
Abnormal voice	Air inside in the machine	Check the water level or pipe’s damage
	Inner spare parts damaged	Disassemble and repair