HEMWAY

Hemway Smart Device

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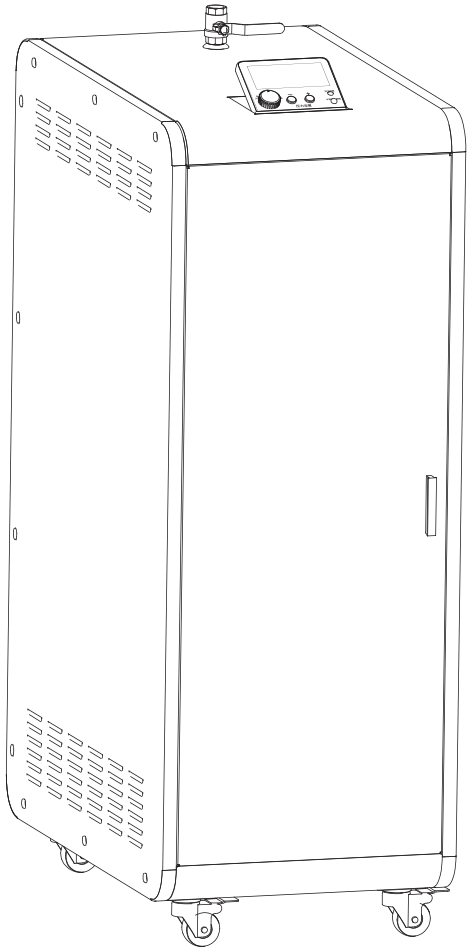
M Series Instructions

Smart steam generator

M090/M120/M180/M240/M360/M480



STATEMENT

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If there are any changes in the product structure and appearance, please refer to thereal product.The product specifications and information mentioned in this instruction arefor reference only and are subject to change without notice.Check out our website at anytime:
http://www.hemway.com.cn

The product works under high temperature and high pressure environment. Non-professional maintenance personnel are not allowed to disassemble the product withoutpermission. Please refer to our warranty card for warranty.

Outside the warranty period, we also provide services. If you need to replace the parts, we will charge a certain amount for the parts.

Unless otherwise agreement, this instruction is used only as a guidence and all statements, information, etc. in this book do not constitute any form of warranty.

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一、INTRODUCTION

· Product Introduction

M series smart ironing steam generator is a garment ironing product independently developed by our company and obtained a number of national patents. The product has the functions of automatic water adding, frequency conversion heating, automatic drainage , discharging and intelligent scale removal etc. At the same time, it has the characteristics of adjustable pressure and fault code reminder. It is widely used for many industrials.

The steam capacity of the product is sufficient to meet the requirements of small ironing, medium ironing , big steam ironing, steam heating, preshrinking and other industries . This product is suitable for all kinds of apparel factories, garment manufacturers, dry cleaners, hotels, clothing processing centers, home textile stores, curtain stores, laundry etc. It can remove wrinkles and finalize the design of various fabrics, achieve ideal ironing effect.

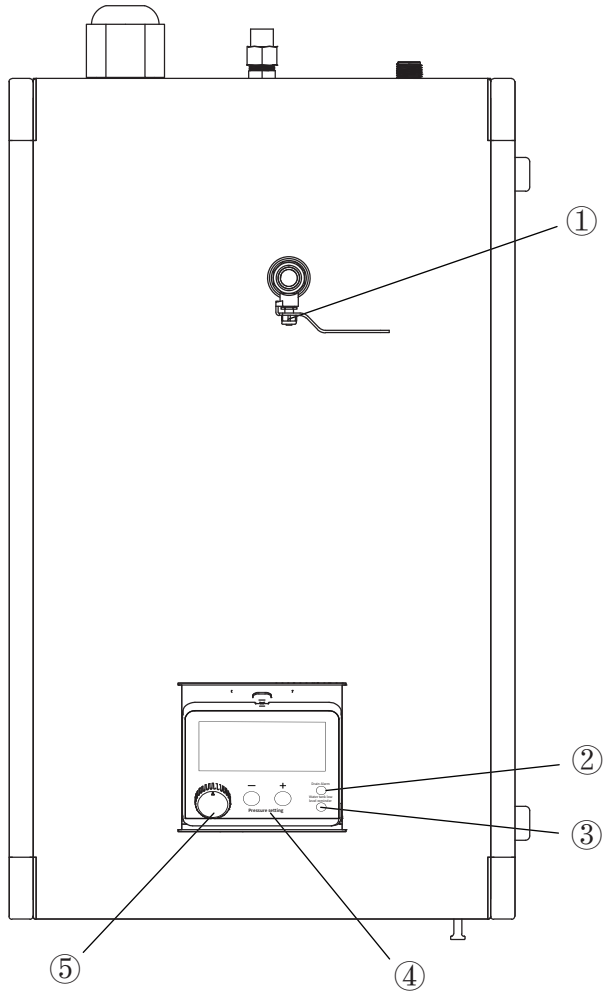
This product is a general-purpose steam generator that can be widely used as a steam source in various industries that require steam. Such as: food, chemical, plastic, textile, rubber, forest products, paper products and other industries.

· Technical Parameters

Model No.	Rated Power	Rated Voltage	Working pressure	Rate Evaporation	Size of Host
M090	9kW	AC 380V	1.5~5Kg/cm² (Adjustable)	13.5L/H	257*578*970(mm)
M120	12kW	AC 380V		18L/H	257*578*970(mm)
M180	18kW	AC 380V		27L/H	400*700*1150(mm)
M240	24kW	AC 380V		36L/H	400*700*1150 (mm)
M360	36kW	AC 380V		54L/H	420*780*1210 (mm)
M480	48kW	AC 380V		72L/H	420*780*1210 (mm)

· External Product Structure

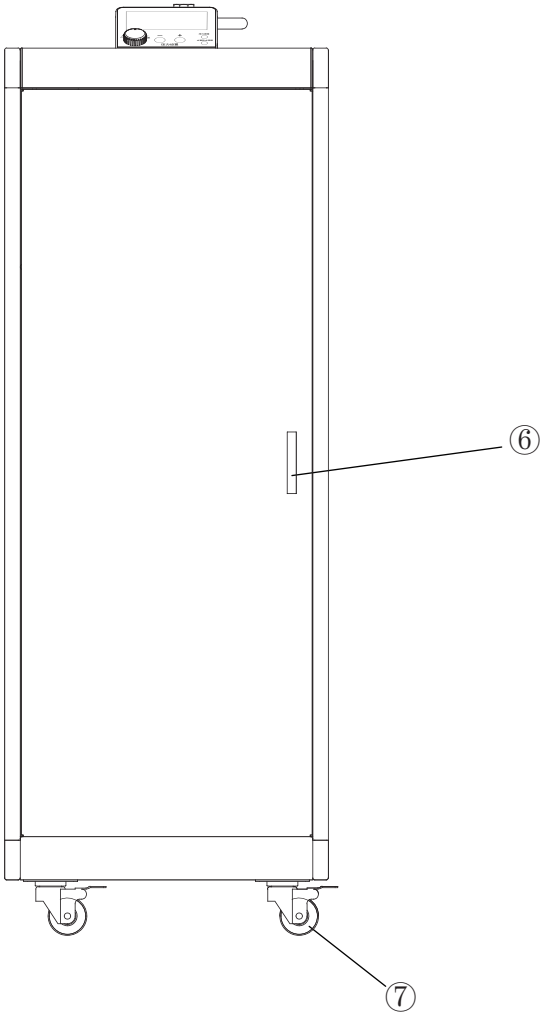
· Host- Top side



1、Steam control switch　2、Drainage warning indicator　3、Water shortage indicator

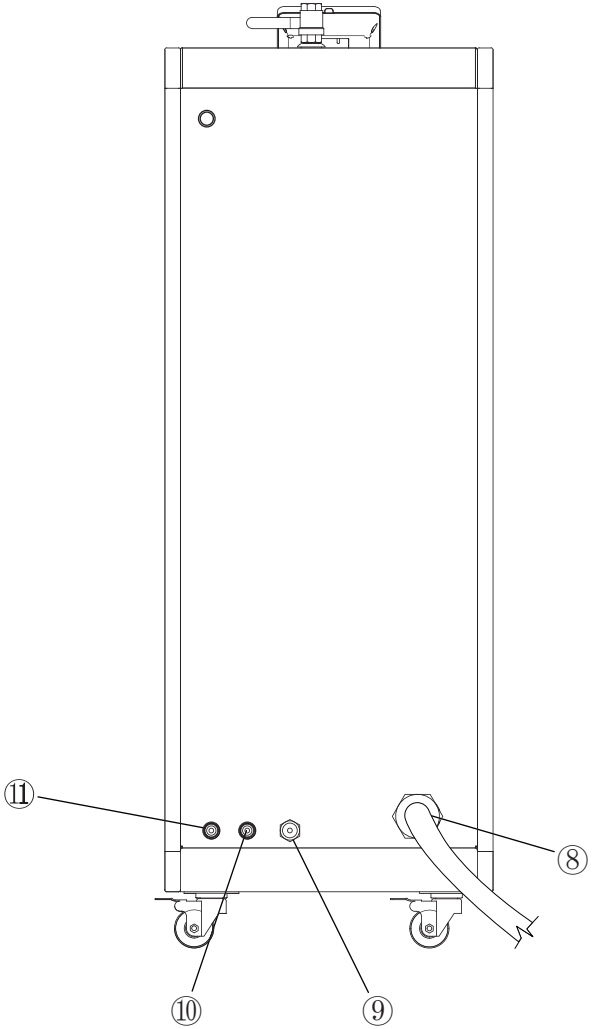
4、Pressure setting button　5、Working status switch

• Host-Front Side



6、Door handle　　7、Wheel

• Host-Back Side



8、Power cable　　9、drainage outlet　　10、water tank outlet　　11、water inlet

二、Installation Guidance

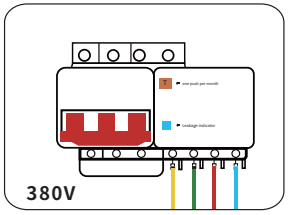
• Notice

- If the device is found damaged or parts are missing (including damage to the power cord, etc.) when unpacking, please take a photo in time and contact our service center.
- This equipment requires two or more people to move.
- Do not install the device in damp and dusty places. Do not install or store the device outdoors or in any direct sunlight, wind, rain, or freezing temperatures.
- Please disconnect the power and turn off the steam control switch before installation.
- Tighten the pipe connection to avoid falling off.
- If the power cord is damaged, stop using the device and contact an authorized service center to prevent a security accident.
- Do not connect the device to multi-hole sockets, power extension cords or adapters.
- This device must be grounded to reduce the risk of electric shock and prevent static electricity from affecting the device.
- Failure to properly connect the equipment ground wire may result in a risk of electric shock. Please connect under the guidance of a professional electrician or maintenance personnel.
- Our company will not bear any responsibility for all risk accidents caused by failure to install standard wiring according to this manual.

• Product Installation Standard

• Wiring & power supply instructions

Leakage protection installation instructions (please select AC380V power supply line according to the voltage shown on the equipment nameplate).



• Connect with 380V leakage protection switch

Note:Pls. break the power supply line before connecting with leakage protection switch.

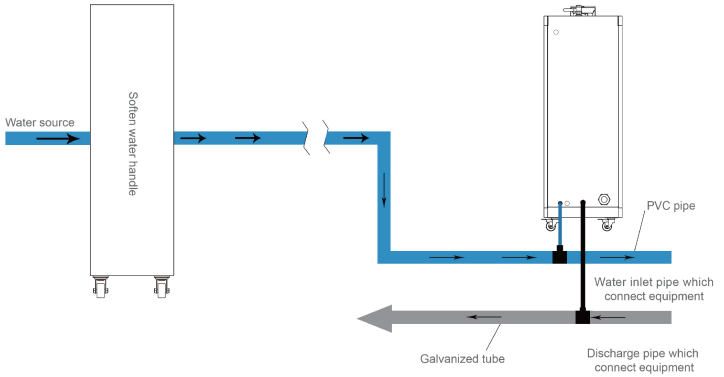
380V single equipment leakage protection switch recommended	
Equipment Model No	**Recommended leakage protection switch**
M090	NXBLE-32 C20 3P+N
M120	NXBLE-32 C25 3P+N
M180	NXBLE-63 C40 3P+N
M240	NXBLE-63 C50 3P+N
M360	NXBLE-63 C63 3P+N
M480	NXBLE-125 C100 3P+N

• Power supply load standard

AC380V three-phase power supply line wire requirements		
Distance between equipment and main switch	**Model No**	**Wire specifications**
Wire specification of single machine within 10 meters	M090	RVV5*4mm²
	M120	RVV5*4mm²
	M180	YC3*10mm²+2*6mm²
	M240	YC3*10mm²+2*6mm²
	M360	YC3*16mm²+2*10mm²
	M480	YC3*25mm²+2*10mm²

Single equipment external transformer load specification	
Model No	**Transformer minimum power requirements**
M090	15KVA
M120	30KVA
M180	30KVA
M240	35KVA
M360	60KVA
M480	110KVA

• Pipeline installation



• Recommended installation method

- Connect the water inlet pipe to the main water inlet pipe.
- Connect the sewage pipe to the main sewage pipe.

Tip: Please use soften water

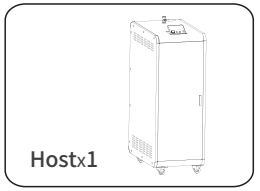
• M series sewage pipe requirements

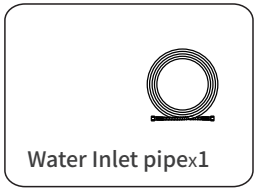
Equipment Quantity	Pipe Diameter
1set	3/4″ pipe
2set	1″ pipe
3set	1.5″ pipe

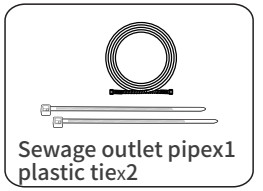
Material(recommend)galvanized pipe

• Packing List

Note: After opening the outer package, please read the instruction manual carefully and keep the relevant certificates properly


Hostx1


Water Inlet pipex1


Sewage outlet pipex1
plastic tiex2

drainage adaptorx1

User manualx1

Warranty cardx1

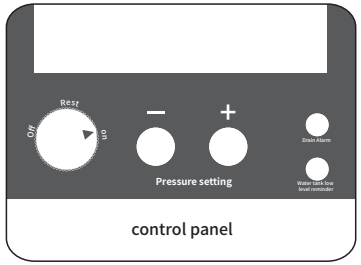
Note: If you find any shortage or damage to the accessories, please contact your local dealer in time.

三、Operation

· Notice

- Please do not try to split any panel or disassemble the machine.
- Do not use sharp tools to operate the control panel.
- Do not repair or replace any parts of this machine by yourself. All repairs must be performed by qualified service personnel and use authorized original accessories.
- Do not use other non-Hemway original parts instead of this machine parts.
- Keep the bottom of the machine and the surrounding area free of combustible substances, such as thread, paper, rags, chemicals, etc.
- Do not open the door at will to avoid the entry of children or animals, causing damage to the machine or personal injury.
- Use the new hose or hose kit that comes with the machine. Using the old hose may cause water leakage, resulting in property damage.
- Do not put flammable or explosive substances inside the machine (such as wax, wax remover, oil, paint, petroleum, degreaser, dry cleaning agent, kerosene, gasoline, stain remover, turpentine, vegetable oil, cooking oil, Acetone, ethanol, etc.), it is likely to cause fire or explosion.
- Do not touch the pipe and pipe interface of the machine during operation to prevent burns.
- During the sewage draining process, please do not touch the draining water to prevent burns.
- In case of flooding, disconnect the power plug.
- Do not use flammable gases and substances (benzene, gasoline, thinner, petroleum, alcohol, etc.) near the machine.
- If the drain pipe or inlet pipe freezes, please use it after melting.
- Do not touch the power plug or electrical controls with wet hands.
- Do not excessively bend all lines of the machine or place heavy objects on them.
- Please clean the dust and clothing fibers in the machine in time to avoid short circuit, fire and fire.

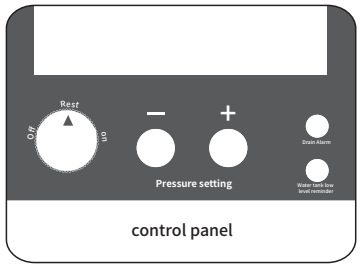
· Operation method



control panel

start working

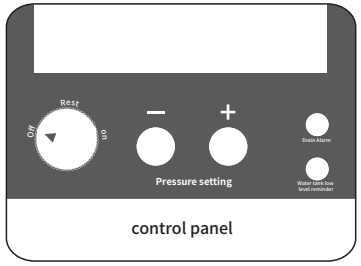
- Turn the status switch to the working position, the corresponding indicator on the control panel lights up, and the system enters the working state.
- If you need to adjust the steam pressure, please press the pressure setting area "-" or "+" on the control panel.



control panel

During meal break

- During the noon break, turn the status switch to the rest position, the corresponding indicator lights, and the device enters the standby state.



control panel

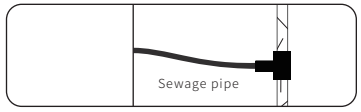
Off-duty

- Arrange for four minutes before get off work to turn the status switch to the off-duty position, and the equipment enters the drain state. Before draining, make sure that the drain pipe is firmly connected to the main drain pipe.

Note: The draining process takes about two minutes. During this period, please do not pull off the power supply.

Remarks: When the water shortage warning light of the water tank flashes, it is in the state of water shortage.

Remarks: The sewage reminder is to turn to the sewage discharge state at the end of a long time.



Connect the main sewage pipe

四、MAINTENANCE

ITEM	CONTENT	FREQUENCY
Drainage	draining after off work	Daily
Water inlet filter	clean the filter head in case of not using soft water and connected water supply pipe.	Weekly
Drainage pipe	check the drainage pipe joints, and tighten it with wrench if there is any loose;check the drainage pipe for blocking, clean the pipe in time to avoid affecting the drainage.	Monthly
Descaling	Descaling for using soft water .	Monthly
Deeply Descaling	Clean the residual scale in the boiler innerface, and remove the water level detector and use sandpaper to clean the scale on the surface;Clean the heater and boiler innerface regularly (many scale accumulates on the innerface of the heater used for a long time, which will reduce energy efficiency and increase power consumption. It is recommended to replace it)	Every Six month
Heat emission Holes	① Check the air outlet of the cooling fan regularly for foreign matter and shielding (timely cleaning). ② Check regularly whether the cooling fan is rotating normally (with or without wind power), and maintain in time if any abnormality is found. ③ Clean the cooling fan filter regularly	Monthly
Circuit	Check whether the short-cut protection circuit function is normal, whether the short-cut protection circuit switch is loose, fire traces, use screwdriver to tighten or replace it.	Monthly

五、FAULT ANALYSIS AND TROUBLESHOOTING

1.Fault Code Analyses:

Fault code	F02		
Fault phenomenon	Abnormal time for adding water and replenishing water (when the water is added for more than 6 minutes and none stop, or when the water is replenished for more than 4 minutes and is not replenished)		
Fault character	water adding system error		
Fault point	Water source	Water pump	Two position three way solenoid valve
Check and confirm methods	Check if water is blocked	①Check if the pump is working normally (there is slight vibration and sound when working normally)Water will come out of the drainage pipe within 5 seconds after starting the machine. ②When there is no vibration, check whether the pump power supply end voltage is normal (DC24V), normal means the water pump is broken. ③No drain when vibration, check whether the voltage at the power supply end of the pump is normal (DC24V), otherwise the pump is broken.	①Check if the voltage at the power supply end of two position three-way solenoid valves is normal (DC24V), which is combined with crisp sound under normal circumstances.No sound absorption means that the water return valve is broken. ②Under normal circumstances, suction but no water, it means that the pipeline or one-way valve blocked.
Handling method	Clean the blockage	Replace water pump	Replace water retrun valve or clean the

2.Other Fault Analysis:

Fault Phenomenon	Fault Character	Fault Point	Check And Confirm Methods	Handling Method
Iron serious spraying water	Abnormal water level control	Water level sensor scale	After drain, disassemble the equipment to check if the water level probe is scaling	Clean water level probe
		Main control board damaged	After drain, check if the voltage between the water level probe and the hardware plate where the probe is located is AC12±1v;After the equipment is filled with water, check if the voltage between the water level probe and the hardware plate where the probe is located is AC0±1V.	① Replace main control board ② Check the water level line and water level grounding port

The screen does not display and the power indicator does not light	Abnormal power supply	Electric leakage protection switch	Check whether the electric leakage protection input voltage is normal; if the voltage is normal, check the output voltage; if there is no voltage at the output end, then the electric leakage protection switch is damaged.	Replace electric leakage switch
		Transformer	Check if the transformer input voltage is normal (AC220V), if the voltage is normal, check if the transformer output voltage is positive (AC24V);If the voltage is abnormal, then the transformer is broken.	Replace transformer
Pressure setting failure	Pressure setting system abnormal	Pressure setting key	Disconnect the power supply, open the side cover of the device, press the pressure setting key, and test the two ends of the key with the multimeter. Failure to connect means the key is broken.	Replace the keys
		Main control board	Disconnect the power supply, open the side cover of the equipment, press the pressure setting key, and test with multimeter. If it is connected, the main control board is broken.	Replace main control board
The equipment cannot enter the descaling state	Descaling abnorma	Abnormal power supply plug of the cleaner	Check if the power supply plug of the cleaner is loose or not.	Tighten the plug

六、AFTER SERVICE

If you have any quality problems or other problems after purchase Hemway products, please contact the local distribut or **hemway@hemway.com.cn** for consultation.

To apply for a warranty must be in accordance with the below conditions:

① Please operate the machine strictly according to the manual when it is first started up and used.
② Please use parts only from HEMWAY original
③ Please refer to the warranty card for other terms