MP18-T1 Mini Dual- Brush Floor Scrubber

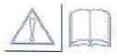
User Manual



·Please make sure that you have read the instruction carefully and fully understood it before using.

·Please keep this instruction properly.

1.0 Overview



Note: Please read this manual carefully before operating the machine

Preface

The floor scrubber is a cleaning machine that uses a brush disc motor to drive the brush head to clean the floor. It is suitable for cleaning hard floors while absorbing sewage and taking the sewage away from the site. It has the advantages of environmental protection, energy saving and high efficiency. Under the action of cleaning liquid/agent, better cleaning effect is exerted.

Application

The scientific name of the machine is a hand- push automatic scrubber dryer. It is suitable for office buildings, hotels, hospitals, shopping malls, restaurants and factory workshops and other places with broad hard floors. Machines are used instead of manpower to make cleaning operations more efficient and faster.

The device is not suitable for use in the rain. It is strictly forbidden to use this equipment to clean hazardous dust or flammable liquids in flammable and explosive environments. In addition, the device is not suitable for use as a means of transportation.

2. Safety Precautions



Note: Operators please read this manual carefully

- Before starting any work, be sure to familiarize yourself with all the design, control methods and functions of the scrubber.
- When using the scrubber for the first time, the operator should place it in an open area to understand its various functions.
- Before starting any operation, check the general and operating state of the scrubber and its parts.
- If the washing machine is not working properly, the equipment cannot be used.
- The operator must use the scrubber for the proper application (cleaning hard floors) .
- Pay attention to obstacles in the workplace, such as stairs, shelves, etc. , and pay attention to surrounding people, especially children.
- Use a suitable cleaning agent (cleaning agents should only be used in accordance with the cleaning agent manufacturer' s instructions, in appropriate doses and limits when using cleaning agents for scrubbers.
- The scrubber should only be maintained and repaired by properly trained personnel using appropriate tools.
- Turn off the power or remove the battery when cleaning or maintaining the scrubber.
- It is forbidden to use high pressure water or steam equipment to clean the washing machine.
- It is forbidden to water the electrical components.



Note: Do not use this scrubber to clean up flammable liquids, solvents, fuels, reactive metal vapor or flammable dust.

3. Technical Parameters

Rated Voltage	DC24V
Working Efficiency	1200m2/H
Cleaning Width	52cm
Clear Water Tank	6L
Sewage Tank	9L
Brush Motor	160W*2
Brush Speed	350RPM
Battery Volume	16AH/12AH
Vacuum Motor	120W
Working Time	2H/1.5H
Machine Weight	24KG
Dimension(L*W*H)	518*410*1235mm

4. Preparation for Operation

4. 1 Fill the clean water tank with water

✧There is a water injection port above the clean water tank of the scrubber, unscrew the plastic cover and directly inject water.

✧Inject clean water with an appropriate amount of dctcrgcnt into the clean water tank according to the ground stains.

Warning!

✧ If the used cleaning agent produces too much foam, it means that the cleaning agent is not suitable for automatic washing machines. Please add an appropriate amount of defoaming agent or replace the cleaning agent, otherwise the water absorption motor will be burned.

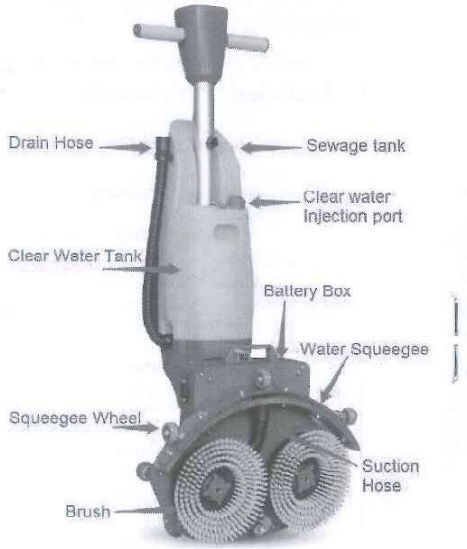


4.2 Warning and operation instructions for full water tank

✧ When the sewage water level in the sewage tank is close to the maximum limit water level, the alarm device will be triggered, the suction motor will automatically stop working, and an alarm beep sound will be issued. (At this time, the squeegee will not be able to absorb the water on the ground)

✧Turn off the suction motor and brush motor immediately

✧Move the machine to the place of sewage discharge, remove the sewage discharge hose from the bracket clip, and pull out the cover of the pipe in the direction of the ground gutter to drain the sewage cleanly.



5. Operating Instructions

5. 1 Instructions on the correct operation steps for starting the machine

1. Press the power switch button then the power indicator light is on.
2. Press the brush motor switch button, the water release switch button, and the water absorption switch button in turn, each function will be closed if you pressed again on each button.
3. According to the actual need to adjust the water volume and adjust the valve.



5.2 Instructions of control panel indicator lights

- The power indicator on the top of the panel shows the power of the battery (from left to right, from weak to strong). When the indicator on the right is on, the battery is fully charged. If only the left indicator light is on, it warns that the battery is low, and the machine must be stopped immediately and fully charged in time.

☆Special reminder: To maintain the normal service life of the battery, you must fully charge the battery in time after each use of the machine. Overcharging and discharging will affect the performance of the battery. Be sure to use a special matching charger for charging.

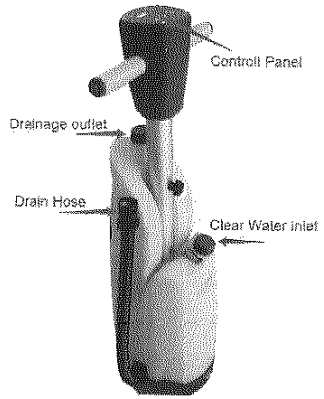
6. Common faults and solutions

Faults	Reasons	Solutions
Machine Not Working	Power button failure	Change Button Panel
	Lack of Battery Power	Charge
	Battery Defectiveness	Replace Battery
	Battery Wire Loosen	Tight the Wire
	Motherboard Damage	Contact Manufacturer
	Circuit Failure	Contact Manufacturer
Brush Motor Not Working	Brush Switch Fairlure	Change the switch
	Brush motor damaged or circuit damaged	Contact Manufacturer
	Carbon brush of the brush disc motor is seriously worn	Contact Manufacturer
	Damaged motherboard, loose contact	Contact Manufacturer
Vacuum Motor Not Working	Suction Switch Failure	Change the Panel
	Suction motor or its circuit is damaged	Contact Manufacturer
	The carbon brush of the water suction motor is seriously worn	Contact Manufacturer
	Damaged motherboard, loose contact	Contact Manufacturer
Low/ None Water Output	The water valve is too small or closed	Adjust the water valve switch
	The position of the outlet pipe of the brush plate is blocked	Use thin wire to unclog the orifice
	Clogged outlet hose or filter	Rinse the water line or filter screen with clean water
	Drain solenoid valve blocked	Disassemble the open water solenoid valve for cleaning
Not Scrubbing	Sewage tank full	Drain the sewage tank
	Drain pipe plug loose	Tighten the drain pipe plug
	The squeegee assembly is clogged	Clean the squeegee assembly
	Worn squeegee rubber	Timely replacement
	Incorrect position of squeegee blade	Adjust the height between the squeegee blade and the ground
	The suction pipe is not reliably connected to the wiper assembly	Reliable connection of suction pipe
	Suction pipe clogged	Remove the blockage
	Damaged suction pipe	Replace the suction pipe
	Waste tank cover not closed	Tight the cover
	Damaged recovery tank cover seal	Change a new one
	Vacuum Motor Failure	Contact Manufacturer
Short Running Time	Low Battery	Charge the battery
	Defective Battery	Change the battery
	Use the Battery Properly	See Battery Maintenance Tips
	Battery Charge Broken	Repair or Change a new one

7. Maintenance

7. 1 Daily maintenance and maintenance

(1) Remove the needle seat/brush plate and wipe it clean with a specific cleaner.
(2) Drain the water in the sewage tank and rinse with clean water. Check the recovery tank for debris and remove it immediately. In addition, the remaining solvent in the clean water tank should also be drained.
(3) Lift the wiper assembly off the ground, and wipe the wiper strip with a damp towel.
(4) Remove the vacuum suction filter and rinse with clean water.
(5) Wipe the machine clean with a specific cleaning agent.
(6) Charge the battery. 【Charging socket】
(7) Check whether the edge of the scraper is sharp, if it is damaged, please reverse use or replace.



7. 2 Monthly maintenance and maintenance

(1) Check that the top of the battery is clean to prevent corrosion.
(2) Check whether the battery connection wire is loose or corroded.
(3) Check the sealing strip of the sewage tank cover and replace it if it is damaged.
(4) Lubricate all lubricated parts and rotating shafts with specific lubricating oil.
(5) Check whether the machine fasteners are loose.
(6) Check whether the water tank is leaking.

7.3 Battery maintenance

(1) Please follow the battery charging chapter in the manufacturer's operation manual for maintenance.
(2) The top of the battery and the electrodes must be anti- corrosion, and soda water can be used to prevent corrosion, so the solution should not be put into the battery.

(3) Wipe the battery and the battery connection part with a brush dipped in soda water.
(4) Regularly check whether the battery connecting wire is worn and whether the contact parts are loose, and replace if necessary.

7.4 Machine Storage

(1) Store indoors in a dry place.
(2) Store upright.
(3) Lift the brush disc off the ground.
(4) Lift the wiper assembly off the ground.
(5) If the storage place is extremely cold, it is necessary to keep the machine completely dry before storing the machine to avoid damage caused by low temperature.
(6) Drain the sewage tank and the clean water tank.

General Safety

In order to avoid damage to personnel and machines, please read the following terms carefully:

1 . Please read the labels and logos on the fuselage carefully, do not cover them at any time, and replace them immediately if they are damaged.

2 . This machine may only be operated by authorized and trained personnel.

3. When the machine is working, please pay attention to the safety of other people, especially children.

4 . This machine is not suitable for cleaning carpets.

5 . Never mix the two cleaning agents, which may generate harmful gas.

6 . When there is residual liquid in the machine, do not put the machine into the container.

7 . Do not place the machine sideways or upside down during transportation.

8 . The storage temperature of the machine must be - 25C-- 50C.

9 . Operating conditions of the machine: room temperature 0 。 C to 40 。 C; air humidity 30 to 95.

10. Never use this machine in explosive atmospheres and high dust atmospheres.

1 1. It is prohibited to use this machine to transport items.

12. It is forbidden to use acid solution to avoid injury to people and machines.

13. Do not run the brushes while the machine is stationary as this may damage the floor.

14. The use of flammable liquids is prohibited.

15. This machine is not suitable for cleaning dangerous loot.

16 . When the machine is on fire, please use a dry powder fire extinguisher to put it out, and do not use water to put out the fire.

17. Do not run near racks or scaffolding where there is a danger of falling objects.

18 . To avoid unstable situations, do not operate the machine on gradients that exceed the allowable slope.

19 . It is forbidden to operate the machine on the ground with serious unevenness or large pieces of garbage.

20 . The machine must clean and dry the ground at the same time, and a sign should be hung when working in a slippery area.

21 . Whenever the machine fails, please confirm whether it is caused by insufficient maintenance. If not, please contact the nearest service center for help.

22. When you replace parts, please be sure to ask the authorized agent or authorized retailer for the original parts.

23 . Please use only the original cleaning brushes in accordance with the instructions of " Selection and Use of Cleaning Brushes" .

24. Disconnect the power to the machine immediately whenever maintenance of the machine is completed.

25. Restore all electrical connections after any repairs and maintenance.

26. The guard must be disassembled with special tools.

27. It is forbidden to directly wash the machine with corrosive reagents or high pressure water.

28. The machine should be checked by professional or trained personnel after 200 hours of use.

29. Never add detergent a few hours before the machine is used.

30. Be sure to install all covers and covers according to the instructions before using the machine.

31. Always follow local laws and regulations when disposing of consumables.

32 . The machine should be scrapped after several years of efficient operation. The oil, battery and electrical components in the machine should be carefully disposed of. All components of this machine are composed of renewable materials.

33. Please keep this machine properly to prevent children from using this machine to play with danger.