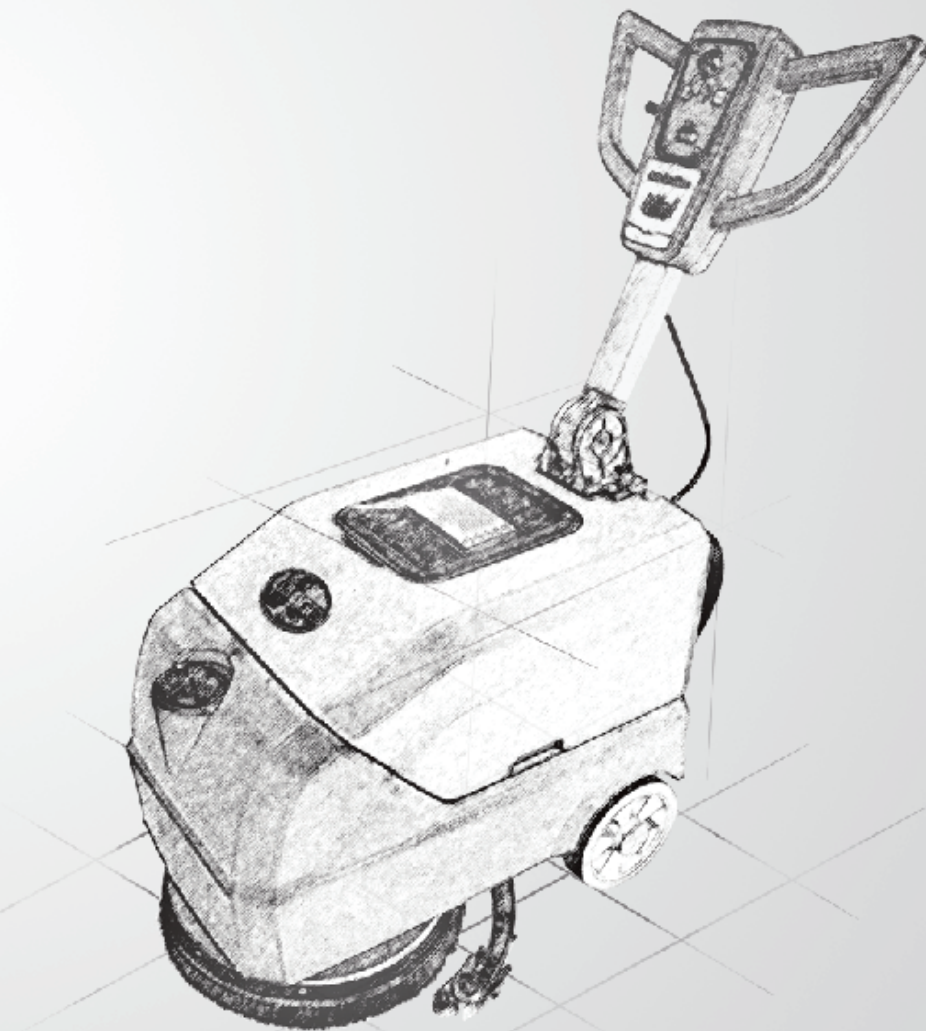


Floor scrubber user manual

Floor scrubber user manual





Catalogue

Floor scrubber drier M1–380

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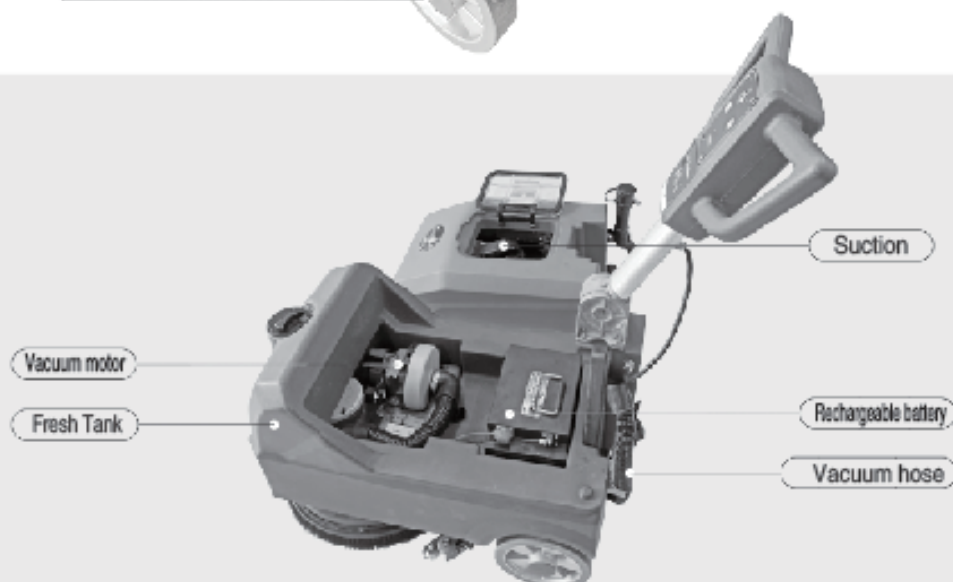
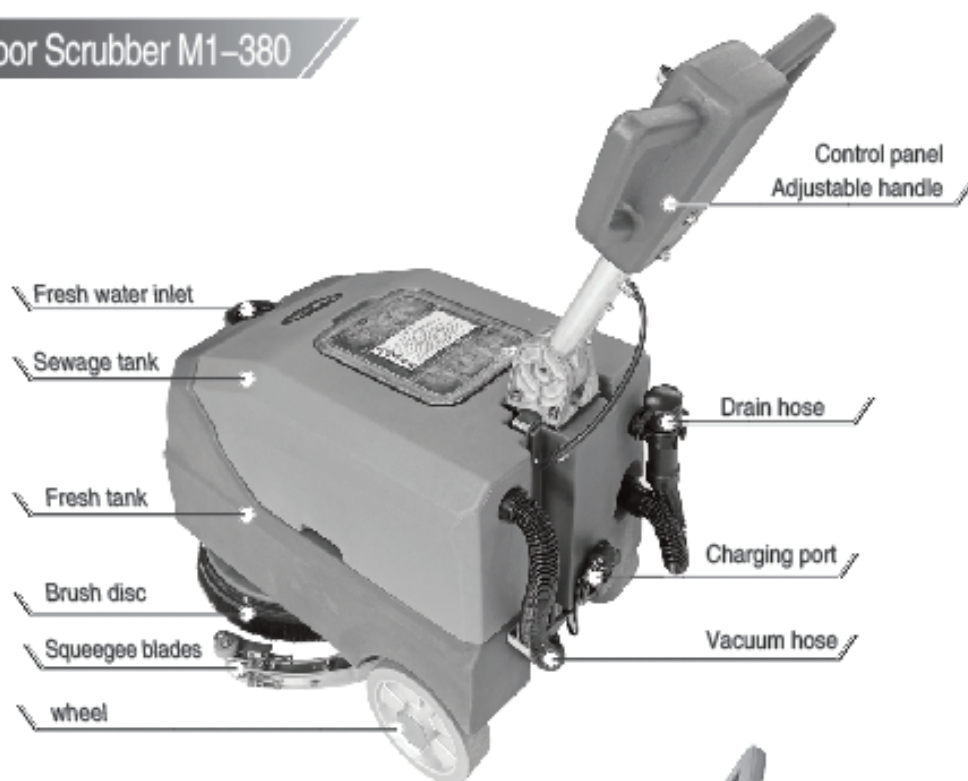
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Floor Scrubber M1-380



Details of main parts

Sewage Tank

The design of large capacity water tank ensures the working efficiency. The water inlet float ball device can better protect the motor.

Before use, we need to check:

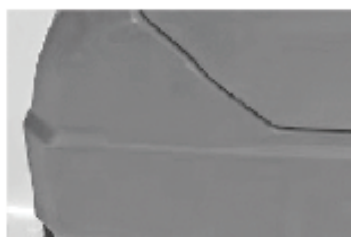
- (1) whether the cover of the sewage tank is tightly closed;
- (2) whether the cleaning cover at the bottom of the sewage tank is closed and tightened;
- (3) whether the sewage suction pipe leaks.



Fresh Tank

1. First, inject the detergent into the clean water inlet
2. Pour clean water into the clean water injection port (the water temperature is lower than 50°C).
3. Pour the defoamer into the sewage tank

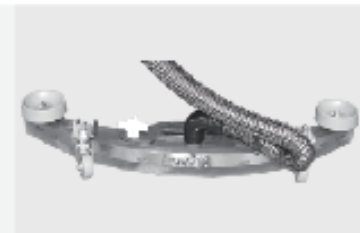
cleaner: clean water Detergent: Defoamer
1:40 3:1



Squeegee Blades

Bowl alloy squeegee kit, solid and durable, natural rubber strip, wear-resistant and durable.

When the machine is working, the squeegee blade is allowed to tilt back slightly at a certain angle.



Brush Discs

Super large disc brush, double efficiency

After use, it needs to be washed, and the height of the brush disc should be checked every week. If the brush is worn out or the bristles are twisted, it is better to reassemble them to avoid the overload and excessive vibration of the disc brush motor caused by the different inclination of the bristles.



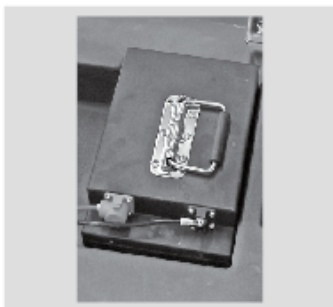
Control/Startup Panel

First put down the disc brush and squeegee blades, then turn on the key switch and disc brush+suction switch to operate

1. Power display screen
2. Brush switch
3. Vacuum switch



Installation and operation



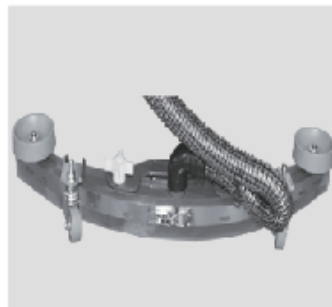
Step 1: Connect the battery



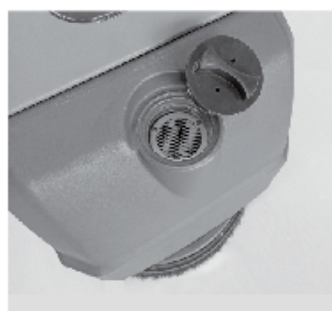
Step 3: Install the disc brush and brush shield



Step 5: Adjust the electronic knob to the proper position



Step 2: Install the squeegee blades and connect the vacuum pipe



Step 4: Inject detergent and clean water



Step 6: Turn on the key switch



Step 7: Turn on brush switch and squeegeeswitch



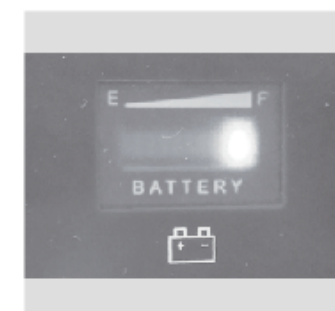
Step 9: Clean the sewage tank



Step 11: Connect the charger to the charging port



Step 8: Drain out dirty water after use



Step 10: Charge with 3 lights of power left

Common faults handling

Problems	Causes	Resolve
The machine cannot operate normally	1.The battery is not connected properly	Reconnect the battery and the machine
	2.Insufficient power	Charge the battery
	3.Brush switch at "0"	Turn the switch to the "1" position
	4.Brush motor overheating shutdown	Release the drive handle, let the brush switch switch to 0, and let the motor cool down for at least 45 minutes
	5.The fuse and gearbox motor are damaged	Replace with new fuse, gearbox and motor
Uneven cleaning effect	The brush or cleaning pad has been worn	Replace with a new brush or cleaning pad
Poor water absorption effect	The squeegee blades are worn	Replace with a new squeegee strip
	The vacuum pipe or air inlet is blocked or damaged	Remove the blockage or replace it with a new one
	Induction switch failure or full of water	Drain the sewage tank or replace the inductor
	The induction switch is invalid or the motor is full of water and there is no power supply or the motor is faulty	Check whether the power cord is correctly connected, and replace the motor in the next case
The battery cannot be charged or is shorter than the normal use time	The power cord or battery is not correctly connected to the charger	Connect the power cord to the charger or connect the battery charger cable to the battery connector
	Insufficient electrolyte capacity	Add distilled water, and add water to each cell according to the instructions
	The electrodes and connecting wire terminals are hydrogenated or dirty	Clean and apply Vaseline on the electrode and terminal
Too many foam	Whether low foam cleaner is used or there is a lot of dirt on the ground	Add defoamer in the sewage tank, there will be a lot of dirt on the ground, which will also produce a lot of foam, so the detergent should be diluted

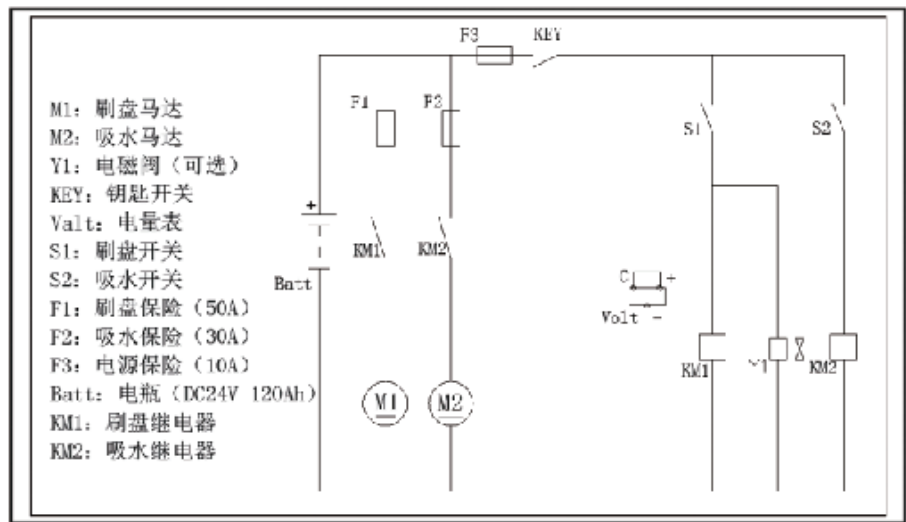
Problems	Causes	Resolve
The suction fan or disc brush motor does not work	The power cord of the water suction motor is not connected properly or the water suction motor is damaged	Check the power connection of the suction motor and replace it if the motor is damaged
	The sewage tank is full	Timely drain dirty water
	The disc brush is not put down or the battery is exhausted	Put down the disc brush or charge the battery
No water flows from the disc brush	Insufficient water in fresh tank	Add water to the clean water tank
	The outlet pipe is blocked	Clean the water outlet pipe
	Damaged solenoid valve	Replace solenoid valve
Brush motor starting fault	Machine brushes are dry or work on very rough ground	Turn on the drain switch
	Motor damage	Replace the motor
Insufficient water supply for disc brush	Check whether the electric ball valve is open	Open the ball valve
	Check whether the screw of drain rod is loose	Tighten the drain rod screws
Not satisfied with the cleaning effect	1.Check the wear of disc brushes and replace them if necessary 2.The pressure of the regulating disc brush to the ground (and is adjusted by adjusting the sensing block) 3.Use a suitable disc brush according to the ground conditions	
Poor water absorption effect of squeegee blades	1.Check whether the squeegee blades are clean and whether there is solid residue left inside 2.Replace the damaged squeegees and adjust the angle of squeegee kit. The squeegee blades shall be bent back 5 mm in its length direction. The inner side of the rubber strips must be in close contact with the internal fixing plate of the wiper rake without air leakage. 3.Check the airtightness of the whole vehicle	

X: 26.44 cm
Y: 13.51 cm

Notes

- 1.Minors are prohibited from using the machine
- 2.Do not use machines as vehicles.
- 3.Do not use acidic or alkaline solutions that can damage the machine
- 4.The working atmospheric humidity of the machine is 30% - 95%.
- 5.Do not inhale flammable liquids (such as gasoline, fuel oil, etc.), flammable gases, dry dust, acid and soluble substances, and do not absorb burning heat objects.
- 6.In case of fire, use powder extinguisher instead of water.
- 7.The specified climbing angle shall not be exceeded. When working on the slope with small gradient and height, please do not use it transversely. Be careful not to retreat. When driving along the slope, the disc brush and squeegee kits must be raised.
- 8.The machine can only use the accessories and spare parts provided by the original manufacturer to ensure the safe operation of the machine.
- 9.The battery cable must be disconnected during the maintenance of all machines.
- 10.All safety standards and regulations must be strictly followed when using in special environments (such as pharmaceutical industry, hospital, chemical industry, etc.).
- 11.Do not leave any tools above the battery, which may easily cause short circuit and explosion of the battery.
- 12.The lines and motors on the machine have been waterproof, but do not clean the machine directly with sprayed water. Clean the machine with non corrosive water under a certain pressure.
- 13.When adding water to the clean water tank, do not take down the water adding funnel to avoid damaging the water pump or blocking the waterway system by entering debris into the tank.

Circuit diagram



Product parameters

Name	Unit	Data
Working width	mm	381
Squeegee width	mm	545
Working capacity	sqm/h	1330
Brush diameter	mm	381
Brush speed	rpm	160
Brush motor	v/w	24/300
Vacuum motor	v/w	24/300
Vacuum pressure	mbar	120
Battery	v/ah	24/50 Li-ion
Fresh tank	L	27
Sewage tank	L	30
Machine weight	kg	58
Machine size	mm	L825*H1100*W550

Maintenance of the machine

Before any maintenance, be sure to disconnect the main power supply of the machine!!!



Battery charging

Stop charging when there is 20% power left.
Charging time 8 hours.
Maximum continuous service time of equipment ≤ 3 hours.
Charge the battery once a month when the equipment is not in use.
The battery cannot be charged after it loses power. It can only be recharged after the battery is activated.



Check the battery

The liquid filling battery shall be checked regularly.
The liquid level of the battery is 2cm higher than the lead plate and 1.5cm lower than the top of the battery. Add distilled water or battery replenishing liquid



Cleaning squeegee blades

After using it every day, you need to wash the squeegee blades.
The best squeegee blades effect is when the water absorbing adhesive strip is adjusted to 45°.
Check whether the strip is scratched or deformed.
Note: If there is a scratch, please replace it in time



Clean sewage tank

Clean up after use every day.
Check and clean the floating ball rack of sewage tank every day.
Note: The motor is not guaranteed when sewage overflows and is sucked into the motor.



Clean the vacuum pipe

Flush the suction pipe and adapter every day.
Check every 3-5 days to confirm whether it is blocked



Cleaning disc brush

It needs to be rinsed after use every day
Check the height of the scrubber tray brush from the floor every week (check the scrubber on the horizontal ground)
Suitable for cement floor/terrazzo/carborundum and other hard floors
Check the length of brush hair every two months=1.5cm



Check the cleaning pad

Rinse after use every day.
Check that the thickness of the cleaning pad is greater than 1/4 of the total thickness every three days.
Suitable for soft ground such as epoxy/paint/PVC.
Needle plate must be equipped when using cleaning pad.



Check the drain valve

Check whether the screws are loose.
Inspection is required when water does not come out.