

MINIe

Automatic Floor Scrubber

Corded Electric Version

Operator's Manual



Please read this Operator's Manual carefully and make sure fully understand before using the appliance.

Please keep this Manual for future reference.

MACHINE SET UP & INSTALLATION - refer to the pictures with numbers (*) for a reference

UNBOXING the MINie Automatic Floor Scrubber – (also refer to UNCRATING on page 9)

- Inspect the packing carton for any damage, and immediately report any damage to the carrier.
- Check the package contents to ensure the following items are included:
 - o Power Cord
 - o Squeegee assembly
 - o 1 Pad Driver
 - o 1 Floor Brush

MACHINE SET UP –

HANDLE SETUP ADJUSTMENT

1. Adjust the operator handle to a comfortable operating position by pulling up on the handle adjustment level located on the right side of the handle (10).

CORD CONNECTION

1. Ensure the electrical cord connections are safely in place

INSTALLING PAD DRIVER OR BRUSH

1. Ensure the MINie machine is turned off.
2. Press down on the scrub head lift handle (13) to lift the scrub head off the floor.
3. If using a pad driver, attach the appropriate pad to the pad driver surface first.
4. Mount the pad driver or brush to the brush motor hub by aligning the three studs with the three holes in the brush motor hub. Once aligned, lock them in place by turning the pad driver or brush clockwise. (Pressing the brush button switch on the panel will fully lock the brush or disc after you have the pad / brush in the down position on the surface.)
5. To remove the brush or disc, disconnect the power supply, lean back the machine to lift the pad / brush from the floor and rotate the brush or pad driver counterclockwise until it becomes loose.

FILLING THE SOLUTION TANK

The MINie machine is equipped with:


- A bucket fill-port at the front of the solution tank (3).
 1. Fill the solution tank with 4.5 gallons of clean water and floor cleaning solution
Recommended cleaner [Stinger Automatic Floor Cleaner](#)
 2. Stop filling when the solution tank level reaches the bottom edge of the fill-port.

NOTE:

When filling the solution tank with a bucket:

- Ensure the bucket is clean.
- Do not use the same bucket for filling and draining the machine.

MACHINE OPERATION - Start Up

 **WARNING:** Do not operate the machine unless you have read and understand this manual.

1. Lower squeegee assembly to the floor by lowering the squeegee lift lever (13) which is located in the middle of the back of the machine. If you are wanting to do a pre-scrub, do not lower the squeegee at this time.
2. Turn the power button switch or key (18) on the machine handle panel to the on position.
3. Turn on the vacuum motor switch from the handle Panel components (16).
4. Turn on the Pad / Brush switch to activate from the handle Panel components (17)


NOTE: Solution will not begin to flow until the control handle bail is pulled.

5. To change solution flow, use the ball valve (11) to increase or decrease flow rate. When the ball valve is in the horizontal position, the solution flow is OFF. Turn to the valve handle to the vertical position for maximum flow rate.
6. For best results pre-sweep the area to prevent leaving streaks on the floor.

WHILE OPERATING MACHINE

 **WARNING** Fire or Explosion Hazard. Do Not Pick Up flammable materials or reactive metals.

1. Go slow on inclines and slippery surfaces. Do not operate the machine on inclines that exceed 5% (3°).
2. Do not keep the machine in the same position with pad / brush spinning, keep the machine moving to prevent damage to floor finish.
3. If the squeegee assembly leaves streaks on the floor, raise the squeegee off the floor and wipe the blades down with a damp cloth.
4. Pour a recommended defoamer into the recovery tank if excessive foam appears. [Liquid Formula DF Defoamer Treatment](#) Part # NIL-C276-005-E

 **WARNING:** Do not allow foam to enter the float shut-off screen, vacuum motor damage will result. Foam will not activate the float shut-off screen.

5. When the solution tank runs empty, keep the squeegee down and continue vacuuming until all the dirty water is picked up.

CIRCUIT BREAKER

The machine is equipped with an auto re-settable breaker built into the brush motor to protect electronic components. If the circuit breaker trips, it will not be reset immediately. First try to identify the cause of the trip, and allow motor electronic components to cool down before restarting the pad / brush driver (it may require a few minutes to cool down).

NOTE: See **TANK DRAINING** section to learn how to drain recovery and solution tanks.

TANK DRAINING

1. Stop the machine on a level surface and turn the machine off.
2. With the squeegee in the "up" position, transport the machine to an approved area for draining tank(s).

DRAINING THE RECOVERY TANK

Any time scrubbing is completed, or when refilling the solution tank, the recovery tank should be drained and cleaned.



WARNING: If the recovery tank is not drained when the solution tank has been refilled, foam or water may enter the float shut off screen and cause damage to the vacuum motor.

1. While holding the drain hose (15) upward, remove the cap and lower the hose to drain.
2. Open the recovery tank cover and rinse out the tank. Use a rag to remove any excess dirt.
3. Clean the float shut-off with water spray located in the upper back part of the recovery tank (9).

DRAINING THE SOLUTION TANK

Any time scrubbing operation is completed it is recommended that the solution tank should be drained and cleaned.

1. Remove (by unscrewing) the cover of the filter assembly (12) located by the solution control valve on the bottom of the unit to drain the solution tank, check the filter screen and clean it if necessary.
3. Rinse the solution tank with clean water after every use. This will help prevent chemical buildup and clogging of the solution lines. Turning on the pad / brush switch is recommended to completely clean the lines of any cleaning solution.
4. After rinsing out the tank, replace the filter assembly cover and be sure the filter screen and the "O" ring is in the correct position. Hand tight to a snug fit is all that is needed.

PREVENTATIVE MAINTENANCE



WARNING: Before performing any maintenance on the machine, be sure that the power is turned off!

DAILY MAINTENANCE

1. Remove the pad driver or brush and rinse clean with a water spray.
2. Drain recovery and solution tanks completely and rinse out with clean water, visually check the recovery tank for debris and clean out as necessary.
3. Raise the squeegee assembly off the floor and wipe it down the blade with a damp towel. Be sure to store the machine with the squeegee in the up position.
4. Check the condition of the squeegee blade wiping edge, rotate blade if worn.
5. Spray down the float shut-off assembly and rinse with clean water.
6. Clean machine with an approved cleaner and a damp towel. [All Purpose Cleaner](#)

MONTHLY MAINTENANCE

1. Inspect and clean the recovery tank cover seal. Replace it if damaged.
2. Lubricate all grease points and pivot points with silicon spray and approved grease.
3. Check the machine for loose nuts and bolts.
4. Check the machine for leaks.

MOTOR MAINTENANCE

1. The motor should have the brushes checked every 250 hours. Brushes should be replaced when they are worn to a length of 10 mm ($\frac{3}{8}$ inch) or less.

MACHINE STORAGE

1. Always store the machine indoors.
2. Always store the machine in a dry area.
3. Always store the machine in its upright position.
4. Always store the machine with the pad driver or brush raised off the floor.
5. Always store the machine with the squeegee assembly raised off the floor.
6. If storing in an area which may reach freezing temperatures, be sure to drain all fluids from the machine prior to storage. **Any damaged parts caused by freezing temperatures will not be covered by the parts warranty.**
7. Drain the recovery tank and solution tank of all fluid.

Main Technical Parameters

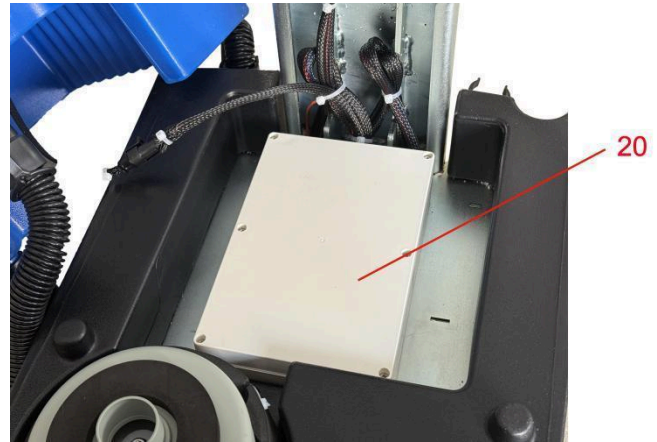
Item	UC-MINI-E
Voltage	120v
Cleaning width	14 in.
Squeegee width	17.7 in.
Solution tank	4.8 gal.
Recovery tank	5.3 gal.
Brush motor power	380W
Brush speed	175 rpm
Brush pressure	25kg
Suction motor power	500W
Vacuum	180mbar
Noise level	68dB
Weight	105 lbs (Dry)
Size	45*18*43 inches 115*45*110cm



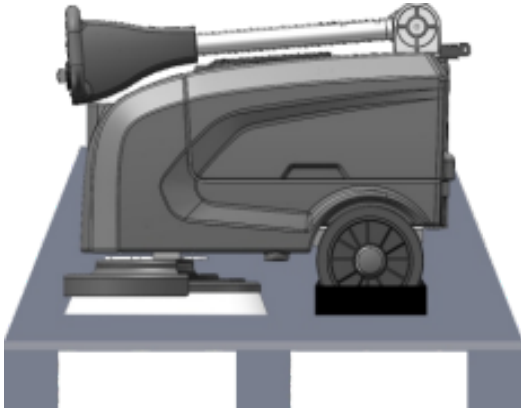
1. Control panel
2. Recovery tank cover
3. Cap
4. Transport wheel
5. Squeegee
6. Solution tank
7. Brush pad
8. Cord Plug In
9. Recovery tank
10. Handle height adjustment switch
11. Water flow adjustment valve
12. Water filter
13. Lift handle for squeegee
14. Suction hose
15. Drain out hose



- 16.Suction vacuum motor switch
- 17.Brush motor switch
- 18.Power switch
- 19.Power indicator light
- 20. Electrical Components Box
- 21. Vacuum Inlet Cover
- 21a.Vacuum Inlet Foam Filter



UNCRATING



UNLOAD

- Remove the fastener.
- Remove the device from the tray and place it on the floor.

WARN

- Injury risk
- Do not remove the device alone. It is recommended that 2 people lift and remove from the machines shipping container. Ask someone else to help. Follow standard loading and unloading practices.

Quick Guide How to Operate the Machine

1. Press the handle height adjustment switch (10) to adjust the handle to the most suitable position.
2. Turn on the power supply by rotating the key clockwise, and the power indicator light (19) will illuminate.
3. To activate the brush motor, vacuum motor and release the water, press the switches (16,17).
4. Lower the squeegee release lever, press the suction motor button (16) to activate the squeegee.
When finished working, press the button (16), to stop the suction motor, then lift the squeegee.

Last minute check list before use:

- 1) Check if the hose assembly is properly installed
- 2) Check if the brush is installed correctly
- 3) Ensure the working surface is sufficient to support the weight of the machine
- 4) Ensure that the recovery tank cover is closed before use

Troubleshooting

Problem	Phenomenon	Solve
No power	No power connected	Connecting cord
Functional failure	No electricity Vacuum motor does not work Brush motor does not work	Check the cord connections, outlet has power, no breakers are tripped (including the machines) Check the vacuum motor, related circuits, including motor plugs and relays Check the brush motor, related circuits, including motor plugs and relays
The machine does not produce water or emits very little water.	The water valve is closed The filter is blocked The water tank is empty	Open water valve (11) Cleaning filter (12) Water tank with water (6)
Bad water pickup	Sucking suction hole blocked Squeegee Strip wear Sucking is not installed correctly Damaged pipe loose or cracked Suction pipe blocked The drain cover is loose The recovery tank cover is open The recovery tank is full Vacuum motor inlet blockage Vacuum motor loose	Clean sucking hole (5, 14) Replace the new rubber squeegee strip Make sure the hose is properly installed Replace the suction pipe or re-install and tighten the suction pipe (14) Check the hose and clear the blockage (14) Tighten the drain cover (15) Ensure that the recovery tank lid is closed and sealed (2) Emptying the recovery tank (9) Check the vacuum motor inlet, clear the blockage, clean the filter (21, 21a) Tighten the motor mounting screws, taking care not to over tighten to avoid damaging the motor

Notes: