

# 18SE Automatic Floor Scrubber

## Corded Electric Version

### Operator's Manual



**Please read this Operator's Manual carefully and ensure that you fully understand it before using the 18S Automatic Floor Scrubber**

**Please keep this Manual for future reference.**

# Important 18SE General Information and Instructions

Please read this manual carefully before using this product to reduce the risk of fire, electric shock, personal injury, or property damage.

## 1. Do not operate the machine:

- Unless trained and authorized.
- Unless you have read and understand the operator's manual.
- In flammable or explosive areas.
- If it is not in proper operating condition.
- Outdoors.

## 2. Before starting the machine:

- Ensure all safety devices are in place and functioning properly.

## 3. When using the machine:


- Operate slowly on inclines and slippery surfaces.
- Follow all safety guidelines.
- Exercise caution when using the machine in reverse.
- Reduce speed when turning.
- Repair any damage to the machine before operating it.
- Never allow children to play on or around the machine.
- Do not operate the machine on inclines exceeding 5% (3°).


## 4. Before leaving or cleaning the machine:

- Stop the machine on a level surface.
- Turn off the machine.

## 5. When servicing the machine:

- Read the operator's manual thoroughly before servicing.
- Use manufacturer-supplied or approved replacement parts.
- Secure the machine with wheel blocks before jacking it up.
- Use an approved jack or hoist to safely elevate the machine.
- Avoid moving parts, and do not wear loose-fitting clothing while servicing the machine.

 **WARNING:** Flammable materials can cause an explosion or fire. Do not use flammable materials in tanks.

 **WARNING:** Flammable materials or reactive metals can cause explosion or fire. Do not pick up flammable materials.

# MACHINE SET UP & INSTALLATION

## UNCRATING the 18SE MACHINE

- 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:
  - Power Cord
  - Squeegee assembly
  - Pad driver

## MACHINE SET UP

### PRE-OPERATION CHECKS and STEPS

1. Sweep or dust mop the surface area to be cleaned before using the automatic floor scrubber.
2. Verify that the squeegee is properly installed.
3. Confirm that the brush or pad is correctly installed.

### INSTALLING PAD DRIVER OR BRUSH

1. Ensure the machine is turned off.
2. Press down on the scrub head lift pedal 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.)
5. To remove the brush or disc, disconnect the power supply and rotate the brush or pad driver counterclockwise until it becomes loose.

### FILLING THE SOLUTION TANK


The machine is equipped with:

- A hose fill-port at the front of the machine.
- A bucket fill-port at the front of the solution tank.
  1. Fill the solution tank to the "9 Gal" level indicated on the solution tank sight gauge (rear of the machine).
  2. When using the bucket fill-port, stop filling when the solution 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.

 **WARNING:** Never place flammable materials into the solution tank, as this could lead to an explosion or a fire. Only use recommended cleaning chemicals. For guidance on the proper chemicals, contact UnoClean.

**\*\*Recommended cleaning solution 18S - [Stinger Auto-Scrub Floor and Mat Cleaner](#) Part # FC-727**

## 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 which is located in the middle of the back of the machine.
2. Press the scrub head lift pedal (located on the lower right back of the machine) to lower the scrub head to the floor.
3. Turn the power button switch or key (see machine panel) to the on position.
4. To change solution flow use the ball valve 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. **NOTE: Solution will not begin to flow until the control handle bail is pulled.**
5. Turn on the vacuum motor switch (see Panel components, item #15).

## 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. Pre-sweep the area to prevent leaving streaks on the floor.
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, lift the brush head off the floor, keep the squeegee down, and continue vacuuming until all the dirty water is picked up.

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

## WHILE OPERATING MACHINE (cont.)

### CIRCUIT BREAKER

The machine is equipped with a resettable circuit breaker (see machine components, item #18) to protect electronic components. If the circuit breaker trips, it cannot be reset immediately. First identify the cause of the trip, and allow electronic components to cool down before manually resetting the circuit breaker.

**NOTE:** Contact **UnoClean** for machine repair service centers in your area.

### TANK DRAINING

1. Turn the machine off.
2. With the squeegee and scrub head in their "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 (see machine components, item #9) 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 screen and debris tray located in the recovery tank .

### DRAINING THE SOLUTION TANK

*Any time scrubbing operation is completed, the solution tank should be drained and cleaned.*

1. Pull the solution tank level hose (see machine components) off the hose fitting, this will allow the solution to flow freely into a bucket or floor drain.
2. Remove the cover of the filter assembly (located by the solution control valve 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.
4. After rinsing out the tank, securely reconnect the tank level hose to the hose fitting, replace the filter assembly cover and be sure the filter screen and the "O" ring is in the correct position.

## 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 clean with an approved cleaner.
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 with a damp towel. Be sure to store the machine with the squeegee in the up position.
4. Remove the float shut-off assembly and rinse it out with clean water.
5. Clean machine with an approved cleaner and a damp towel.
6. Check the condition of the squeegee blade wiping edge, rotate blade if worn.

### 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. Contact UnoClean for any motor maintenance.
2. 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

<b>Item</b>	<b>UNO-18SE</b>
<b>Voltage</b>	<b>120v</b>
<b>Cleaning width</b>	<b>18 in.</b>
<b>Squeegee width</b>	<b>30.7 ins.</b>
<b>Solution tank</b>	<b>9 gal.</b>
<b>Recovery tank</b>	<b>10 gal.</b>
<b>Brush motor power</b>	<b>380W</b>
<b>Brush speed</b>	<b>175 rpm</b>
<b>Brush pressure</b>	<b>28kg</b>
<b>Suction motor power</b>	<b>550W</b>
<b>Vacuum</b>	<b>180mbar</b>
<b>Noise level</b>	<b>68dB</b>
<b>Weight</b>	<b>165 lbs</b>
<b>Size</b>	<b>45*19*43 inches</b>

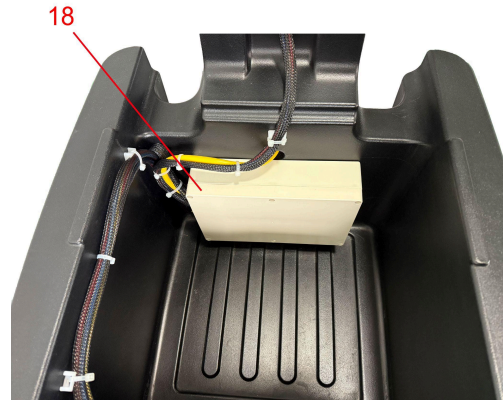




- 1. Control panel
- 2. Recovery tank
- 3. Recovery tank cover
- 4. Cap
- 5. Guard wheel
- 6. Brush pad
- 7. Main wheel
- 8. Solution tank
- 9. Drain out hose assembly



- 10. Handle
- 11. Cord Plug In
- 12. Suction hose assembly
- 13. Squeegee
- 14. Water level tube
- 15. Suction vacuum motor switch
- 16. Power switch
- 17. Brush motor switch
- 18. Electrical Components Box



## How To Operate The Machine

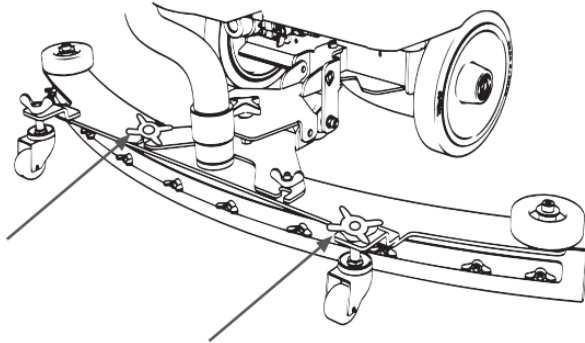
1. Turn on the power supply by rotating the key clockwise, and the power indicator light (**16**) will illuminate.
2. To activate the brush motor, vacuum motor and release the water, press the switches (**15,17**).
3. Lower the squeegee release lever, press the suction motor button (**15**) to activate the squeegee. When finished working, press the button (**15**), to stop the suction motor, then lift the squeegee.

### **Last minute check list before use :**

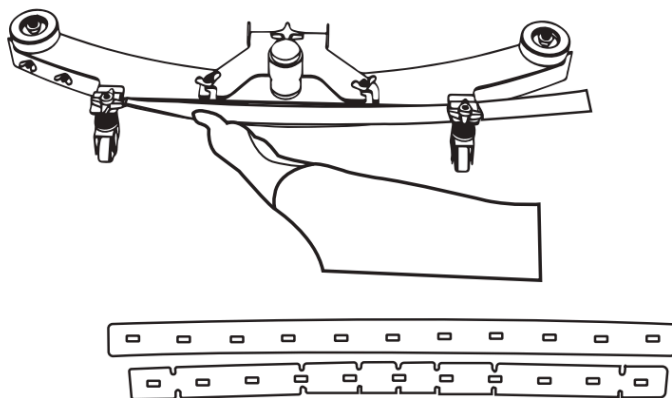
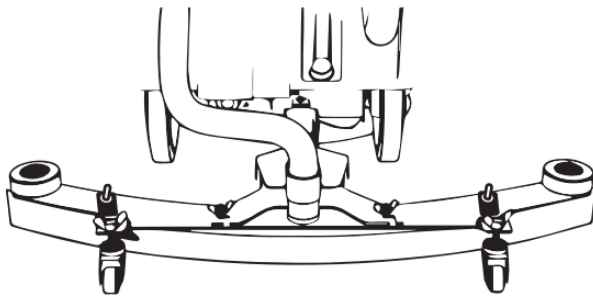
- 1) Check if the hose assembly is properly installed
- 2) Check if the brush is installed correctly
- 3) Ensure the working surface is sufficient to support the weight of the machine
- 4) Ensure that the recovery tank cover is closed before use

## Squeegee installation

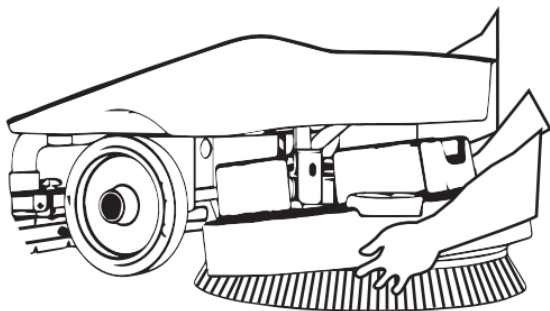
Loosen the (2) four-star nuts on the hose assembly and connect the suction pipe to the suction port on the boring head assembly.



Align the four-star nut with the slot of the boring bracket and tighten the nut



## Brush/pad holder installation and removal



1. Disconnect the power
2. Place the brush or pad driver under the head assembly.
3. Align the three studs on the brush or pad driver with the corresponding mounting holes on the machine head and secure them by turning them clockwise.
4. Press the brush button switch to fully lock the brush or pad driver
5. To remove the brush or pad driver, disconnect the power supply and turn the brush or pad driver clockwise or counterclockwise until it becomes loose.

# 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)  Please check the vacuum motor, related circuits, including motor plugs and relays  Please 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  Cleaning filter  Water tank with water
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  Replace the new rubber squeegee strip  Make sure the sucking is properly installed  Replace the suction pipe or re-install and tighten the suction pipe  Check the hose and clear the blockage  Tighten the drain cover  Ensure that the recovery tank lid is closed and sealed  Emptying the recovery tank  Check the vacuum motor inlet, clear the blockage, clean the filter cotton  Tighten the motor mounting screws, taking care not to over tighten to avoid damaging the motor

**Notes:**