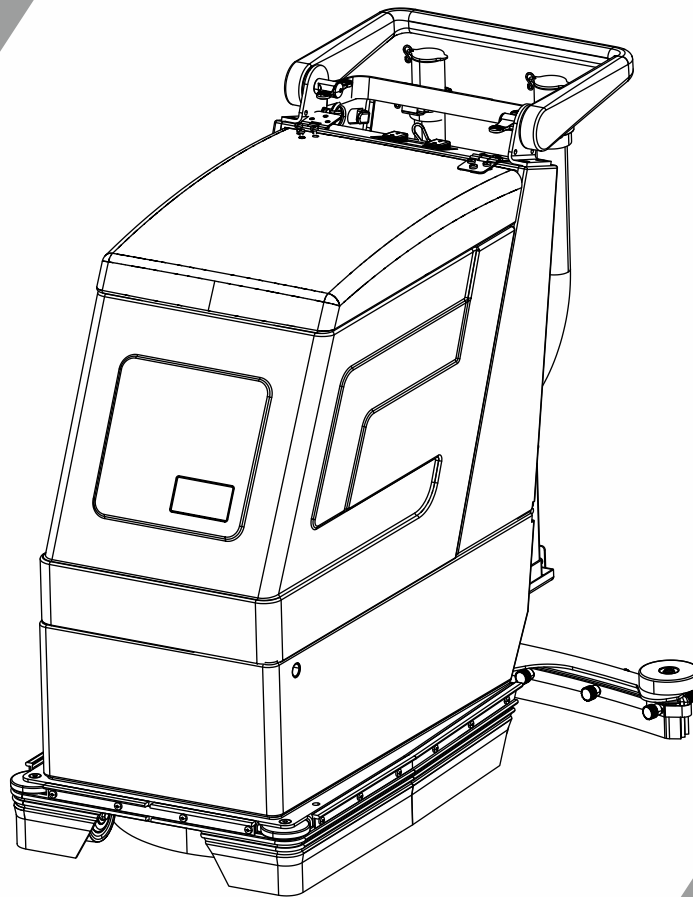


RootsScrub E430

*Walk Behind Scrubber Drier
Electric*



230V/50Hz

Operator's Manual

Read this manual completely and understand the instructions before operating the machine.
"English Version"



| | |
|-----------|-------------------------|
| 4 | Technical Specification |
| 5 | Introduction |
| 6 | Customer Support System |
| 7 | Safety Instructions |
| 11 | Initial Setup |
| 13 | Operating Brush |
| 14 | Operation Squeegee |
| 15 | Procedure For Scrubbing |
| 17 | Maintenance |

IMPORTANT NOTE:

Roots Multiclean Ltd. (RMCL) is not liable for any legal claims that may arise as a direct or indirect result of the contents of this manual.

Roots Multiclean Ltd.
R.K.G. Industrial Estate, Ganapathy,
Coimbatore - 641 006, India.

P/N: 557320047-00, Rev: H, Date: 02/2018

Prepared by: KM-NPM TD Dept.

MACHINE DATA

Please fill at the time of installation for future reference:

Model No. - _____

Serial No. - _____

Accessories - _____

Installation Date - _____

TECHNICAL SPECIFICATION



1700 m²/h



Working speed, upto - 4 km/h



Airflow rate - 28 L/sec



Vacuum pressure, max. - 1206 mm of H₂O

Effective suction width - 750 mm



Rated voltage - 230 V

Frequency - 50 Hz

Brush motor power - 800 W

Vacuum motor power - 400 W

Total power (max) - 1200 W



No. of brushes per machine - 1

Brush diameter - 430 mm

Brush speed - 280 rpm

Scrubbing width - 430 mm

Brush load - 22 kg



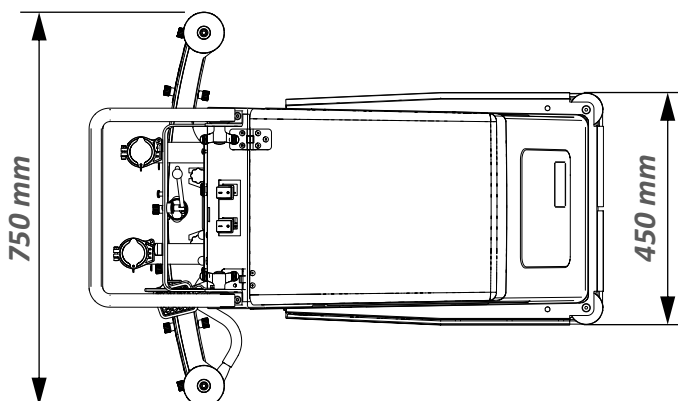
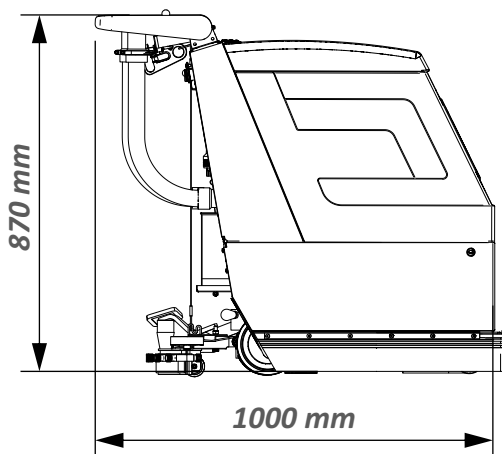
Fresh water tank - 22 L

Dirty water tank - 22 L



Total weight, empty - 79 kg

Total weight, ready to operate - 100 kg





PREFACE

Dear Customer,

We are pleased with your having chosen the **RootsScrub E430** machine for your floor cleaning requirements. Backed by our industry expertise that spans across decades, we assure you that the machine comes with our Roots promise of quality, efficiency and performance.

We advise you to carefully read through the instructions prior to the operation of the machine. This manual contains detailed instructions for the proper operation of the machine, along with important information regarding its handling, care, maintenance and service needs.

We are sure that you will find the machine and its performance to your utmost satisfaction. Once again, we thank you for choosing Roots Multiclean Ltd. (RMCL) as a trusted partner for your cleaning requirements and solutions.

USAGE, HANDLING AND MODIFICATIONS

Use of the product beyond the specified scope of functioning is deemed improper and the manufacturer cannot be held liable for any damages which may arise due to this.

This machine may be used only by persons who are trained or are familiar with the machine and are aware of the possible hazards involved. The appropriate Accident Prevention Regulations as well as applicable general regulations pertaining to Safety and Health at the work place must be adhered to by the user.

Modifications made to machine without the manufacturer's consent will relieve the manufacturer of responsibility and any possible liability for consequential damage.

NOTES ON DOMESTIC WARRANTY

Please refer to the **Limited Warranty card supplied along with the machine** for additional information. This Warranty Policy is applicable only for the product sold within India.

If the product requires repair or maintenance work to be performed, please ensure that you get the machine serviced from an authorised service center or dealer of RMCL to ensure that the warranty is not void.

ACCEPTANCE OF THE MACHINE

On arrival of the machine at the shipping address, please check for any damage that may have occurred as a result of transit. In the event of any such damage, the purchaser is bound by responsibility to send a claim letter to the concerned authorized branch/dealer with a copy of the invoice. The letter should be sent within 24 hours of receipt of the machine.

THE MANUAL

All information contained is without obligation. RMCL particularly reserves the right to modify any equipment, technical specifications, colours, shapes, materials and the like so as to adapt them to local conditions all without previous announcement and without giving reasons. RMCL may stop manufacturing certain models without previous notice.

The Operator's Manual corresponds to the latest information available for this machine at the time it was printed. Minor deviations resulting from enhancements of the design cannot be entirely represented.

The Operator's Manual is an integral part of the machine and must not be misplaced.

RMCL reserves the right to change the product or contents of this manual without prior information.

For Battery, Motors, Engines and other OEM components related kindly refer to their manufacturers manual supplied along with the machine for instructions regarding usage, maintenance and service.

NOTE: Illustrations shown in this manual are for representative purpose only. Actual product may vary.

CUSTOMER SUPPORT SYSTEM



CUSTOMER SUPPORT SYSTEM (CSS)

RMCL has a dedicated CSS Team to ensure prompt after sales service support. One call solution for all your complaints/concerns. Register your complaint or concern through the below toll free number for hassle free support. The customer support executive registers your complaint/concern and will keep you updated on the progress ensuring prompt closure.

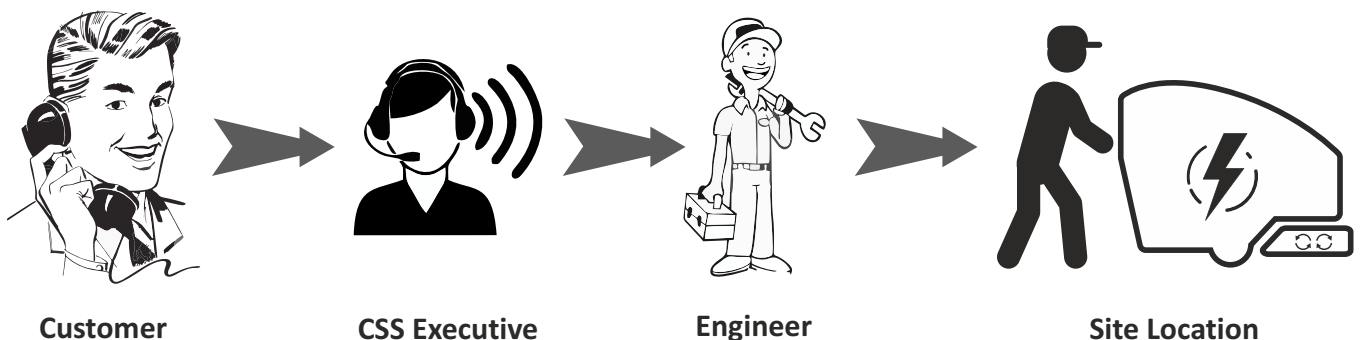
Toll Free Number:

1800 41 99 77 9

Our timings (Monday to Saturday):

8:00 am to 7:00 pm

Customer Support System Process



ANNUAL MAINTENANCE CONTRACT

AMC

AMC or Annual Maintenance Contract is a professional and timely maintenance cover offered by RMCL to its customers. AMC takes care of scheduled and preventive maintenance services. Equipment under AMC qualifies for agreed scheduled visits during the contract.

Advantages of AMC:

- ✓ Pan India network presence.
- ✓ Maximum equipment uptime.
- ✓ Focus on your business while we take care of your equipment.
- ✓ Well trained engineers to take care of the equipment.
- ✓ System driven scheduled periodic maintenance.
- ✓ Genuine spare parts.
- ✓ Toll free number assistance for breakdown.

SAFETY INSTRUCTIONS



SAFETY & WARNING SYMBOLS

All paragraphs in this manual referring to you personal safety, the safety of your machine and the environmental protection are attributed one of the following warning symbols:

Safety Provisions (persons and goods)



Safety provisions in dangerous situation caused by misuse inaccurate adherence of instruction or prescribed work routine.

Caution (the machine)



Important information on handling the machine in order to maintain operability.

Ecological Hazard (the environment)



Due to use of substances representing an inherent danger to health of environment.

Read Manual



Prior to first operation, read the manual carefully and strictly comply with the instructions contained.

SAFETY INSTRUCTIONS

Electrical Power Connection Safety Instructions:



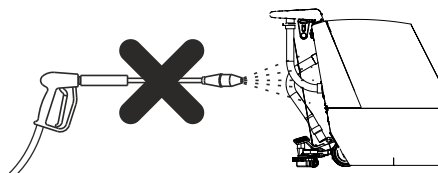
DANGER

- The voltage indicated on the name plate must correspond to the voltage of the electrical source.
- While working with fluids (such as detergents), we recommend the use of a safe socket with over current protection.
- Please use the mains cable authorized by the manufacturer; the same is also applicable when you replace the internal cables.
- Check the power cord with mains plug for damage before every use. If the power cord is damaged, please arrange immediately for the exchange by an authorized customer service or a skilled electrician.
- Never touch the mains plug with WET hands.
- Make sure that the power cord or extension cables are not damaged by running over, pinching, dragging or similar. Protect the cable from heat, oil, and sharp edges.

- The power cord must be checked regularly for damages, such as cracks or aging. If damage is found, the cable must be replaced before further use.
- If couplings of the power cord or extension cable are damaged replace the splash protection and the mechanical tightness must be ensured.



DO NOT CLEAN THE MACHINE WITH A WATER HOSE OR HIGH-PRESSURE WATER JET (DANGER OF SHORT CIRCUITS OR DAMAGE TO MACHINE).



Application Safety Instructions:



DANGER

- The water level indication hose must be cleaned regularly and checked for signs of damage.
- Never scrub or vacuum up explosive liquids, combustible gases, explosive dusts as well as undiluted acids and solvents! This includes petrol, paint thinner or heating oil which can generate explosive fumes or mixtures upon contact with the suction air. Acetone, undiluted acids and solvents must also be avoided as they can harm the materials on the machine.
- Do not scrub or vacuum up any burning or glowing objects.
- Do not use this machine as a vacuum cleaner.
- Humans and animals must not be scrubbed/vacuumed with this machine.
- Only use chemicals recommended by the manufacturer and comply with their application, disposal and warning guidelines.
- Do not use the recommended detergents in an undiluted state. The products are safe for operations as they do not contain any acids, alkalis or environment hazardous substances. We recommend to keep the detergents out of reach of children. If the detergent comes in contact with the eyes, please rinse the eyes thoroughly with water, consult a doctor immediately if the detergent has been swallowed.



CAUTION

- This machine is not suitable for vacuuming dust. This endangers health.
- Please follow the regulations for disposing off dirty water.
- This machine is not a vacuum cleaner! Never suck in more fluid than what has been sprayed. Do not use to suck in dry dust!
- This machine must be used only on indoors only.

SAFETY INSTRUCTIONS



Operation Safety Instructions:

DANGER

- The operator must use the machine properly. The operator must consider the local conditions and must pay attention to third parties, in particular with children, when working with the machine.
- Always use appropriate gloves while working on the machine.
- The machine may only be used by persons who have been instructed in handling the machine or have proven qualification and expertise in operating the machine or have been explicitly assigned the task of handling the machine.
- The machine must not be operated by children or persons who have not been instructed accordingly.
- This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.
- Children should be supervised to prevent them from playing with the machine.
- Turn off the machine immediately in case of leaks.
- Caution! Switch the machine off immediately in case foam or liquid escape!
- Do not open the hood/guards when the motor is running.

Transport Safety Instructions:

WARNING

- The brush motor should be shut off and the brush head must be raised.
- All water systems must be shut off to prevent water spill/wastage
- Accessories if attached must be disconnected.

Maintenance Safety Instructions:

WARNING

- Switch off the power prior to performing any cleaning or maintenance tasks on the machine, replacing parts or switching over to another function. In the case of mains operated machines, remove the mains plug.
- Maintenance work may be carried out only by approved customer service outlets or experts in this field who are familiar with the respective safety regulations.
- Please observe the local safety regulations regarding portable commercially used machines.

Spare Parts & Accessories:

WARNING

Only use accessories and spare parts which have been approved by the manufacturer. The exclusive use of original accessories and original spare parts ensures that the appliance can be operated safely and trouble free.

Equipments With Rotating Brushes:

DANGER

- Use only brushes that are provided with the machine or specified in the Operations Manual. The use of other brushes can affect the safety of the machine.
- Please keep in mind that the power cord or extension cable can be damaged when run over while operating the cleaning head with rotating brushes.

DANGER - Do Not Scrub Or Vacuum:
**Corrosive/Battery Fluids/Explosive/Flammable/
Magnetic/Radio-active/Biohazard Materials.**



Safety Gear:

As necessary

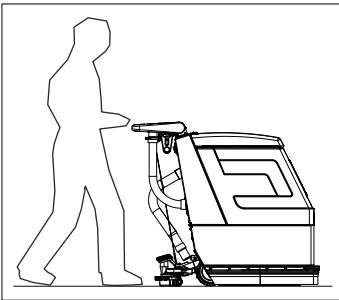




Handling of line cords

- *Make sure that the line cords are not damaged by running over, squeezing, dragging, etc.*
- *The line cords must be checked regularly with regard to damage and aging.*
- *The machine must not be used unless the line cords are in proper condition.*
- *Use only original extension cables, with maximum admissible length of 25 m.*
- *When using or replacing line cords, it is necessary to adhere to as specified by the manufacturer.*
- *When replacing coupler plugs of line cords or connecting leads, splash-proof protection and mechanical strength must be guaranteed.*

Transport






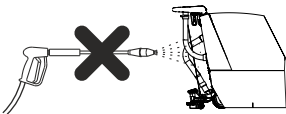





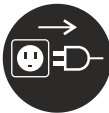
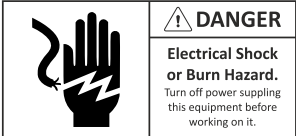


For easy transportation of the machine, it is recommended to lift up the brush head and squeegee as represented, prior to transportation of the machine .

SAFETY INSTRUCTIONS



SYMBOL & HAZARD PICTORIAL DEFINITIONS

| | | | |
|---|--|--|---|
|  <p>Read the Operator's Manual</p> |  <p>General Warning</p> |  <p>Caution</p> |  <p>Ecological Hazard</p> |
|  <p>Toxic Hazard</p> |  <p>Do Not Use High Pressure Jets</p> |  <p>Reset Warning</p> |  <p>Electrical Hazard</p> |
|  <p>STOP No Access</p> |  <p>No Smoking</p> |  <p>Do not let powercord come in contact with water or other fluids.</p> |  <p>Disconnect Powercord</p> |
|  <p>Electric Shock Hazard</p> | | | |

After unpacking:

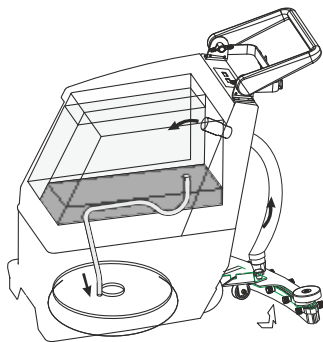
Verify the machine and accessories with the invoice copy. Check the machine for any transit damage, if found contact the branch/dealer immediately.



Owner's personnel are not allowed to unpack the machine.

Principle of Operation

A squeegee and suitable brushes or pads are required for wet cleaning of hard floorings. The rotating brush scrubs the floor thoroughly, removing dirt through suds, thereby cleaning the floor. The dirty water is drawn during the same cycle through the squeegee. Thus, the floor can be walked on immediately after it is dry and clean.



Useful tips:

- Prior to wet cleaning, it is necessary to sweep the floor.
- This way, not only is the cleaning efficiency improved, but wear of the brush is also substantially reduced.
- If floors are particularly dirty or if wax has to be removed (basic cleaning); the floor must be treated twice.
- During the first cycle, the floor is scrubbed with the cleaning agent selected according to the degree of dirt encountered, the squeegee remaining lifted.
- Allow the cleaning agent to act on the floor for approx. 5 or 10 minutes, complying with the manufacturer's instructions.
- Scrub the floor once again while the squeegee is lowered.
- Too much foam indicates excessive dosage or improper suitability of detergent for the existing kind of dirt.
- Detergent particles contained in the soiled water that are not used will cause formation of foam.
- Instructions for dosage are given on the detergent tank and must ideally adhere to manufacturer's recommendations.
- The ideal type of detergent and the perfect dosage applicable to it will come through sustained use of the machine.



Comply with instructions for correct dosage of detergent. Correct dosage will help optimize costs and also minimize impact on the environment. Too much foam can affect the performance of the machine.

Before operation:

1. Upon delivery, the machine has been secured by insulations blocks and hooks at the bottom to preclude unwanted movement of the machine. After taking the machine from the pallet:
 - Open the cardboard box at the top side and pull upwards to remove it.
 - Remove the hook by loosening the screws.
 - Lift the brush head to up position by using pedal.
 - Take the machine off the box and avoid any damage to the machine.
 - Remove the nut from the plank in order to remove the brush from the pallet.



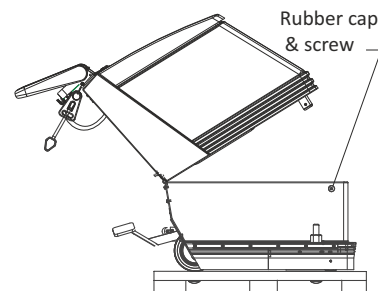
Qualified personnel only are admitted to open the machine; Any work such as e.g. maintenance or repair actions at the electric components have to be executed with adequate tools only and by qualified personnel only.

2. Tilt the body of the machine to gain access to the inside of the tank, the tank will stay in its position with a help of a rope assy.

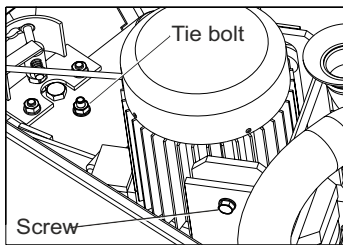


- Care should be taken while closing the tank.

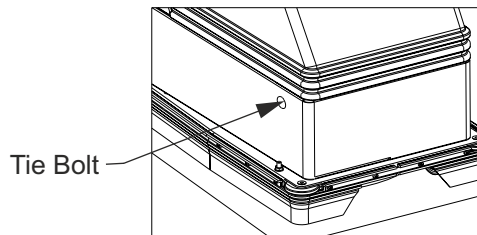
- Do not drop hardy, which might cause possible damage to equipment and cause personal injury.



3. The brush motor is fastened to the connecting arm for upward and downward movement of brush head and this can be controlled by the pedal. In order to prevent unwanted swinging movement during transport, stopper pin in the connecting arm hits the bolt of the brush head to retain its stability. Also remove the tie bolt indicated in the picture.



4. Close the body back and secure it with screws and rubber caps. Remove the two tie-bolts outside the body of the machine.

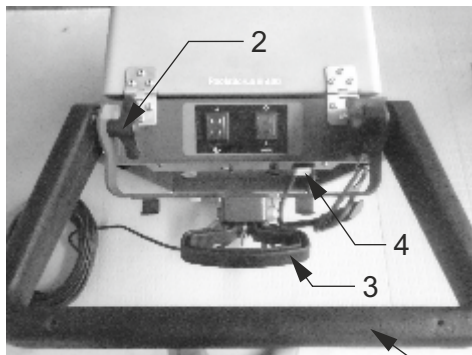


5. Take the machine out of the pallette carefully. Fit the drain hoses (2 Nos.) ensuring the position of hooked end of the hoses. Take the power cord through the cable retainer. Now you can take machine from the platform.



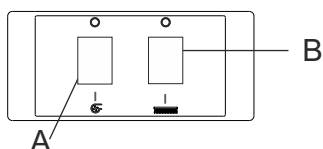
If the supply cord is damaged, it must be replaced by a special cord available from the manufacturer or an authorised service agent.

Operating & Indicator Elements: Controls



1. Adjustable handle
2. Knob - handle
3. Lever for lifting the squeegee
4. Switch to unlock the brush

Control Panel



1. Switches For Vacuum Motor And Brush



A. ON/OFF switch for Suction Turbine

- Is on when "A" is at position "1"
- Is off when "A" is at position "0"



B. ON/OFF Switch for Brush Motor

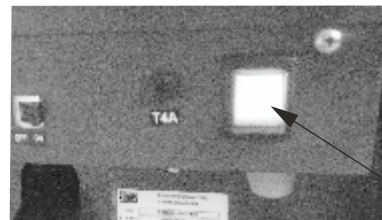
- Is on when "B" is at position "1"
- Is off when "B" is at position "0"



Float switch

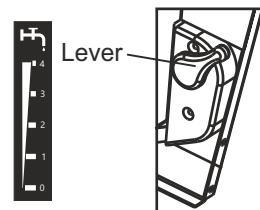
When, the dirty water tank is full, the float switch will switch Off the vacuum motor automatically. One, the motor is switched off, the operator has to switch off the switch 'A' and empty the tank.

C. Switch For Brush Release



- Brush will be released when switch C is pressed But, ensure the switch B is at position "0"

2. Cleaning Solution Discharge Control



Lever

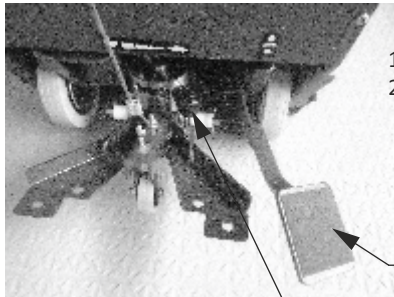
- Turn the lever up, to discharge the detergent and position the lever suitably to achieve the desired flow of Detergent.
- Turn down to close the detergent flow.
- Important! Do not over-exert the lever; A gentle force is enough to close/open.

OPERATION BRUSH



Brush lifting

- Pedal is used to lift and lower the brush.
- For lowering, first press the pedal a little to outside (unlock) and then allow it to move slowly upwards.
- For lifting, press the pedal slowly downwards and make it lock.



1. Pedal for lifting brush
2. Speed control lever

Control for the speed of machine



- Pull the black knob a little
- Take the knob to the left to increase the speed.
- Take it to the right to decrease speed.
- Leave the knob so that it locks in its place. The speed is adjustable in four steps.

Brushes/pads

The machine must be equipped with brushes from the accessories kit, as required by the degree of dirtiness and kind of ground.

Installation of brush

- The tank should be empty.
- Lift the squeegee.
- Place the brush in front of the machine.
- Lower the brush head.



- Press the machine downwards at the rear end and move to above the brush so that the catch is positioned, as close as possible, over the center of the brush.
- Lower the front end of the machine so that the catch is centered in the brush.
- Turn on switch "D" for a short time in order to allow locking.



When lowering the machine pay attention to prevent the pedal for lifting of the brush head from being pressed down.



The brush must snap in immediately. A rattling noise indicates that the brush head is not correctly centered. Turn off switch "D", correct position of brush head and turn on switch "C" for locking. Now the brush is locked. Repeat locking operation.

Removal of brush

- Empty the tanks.
- Lift the squeegee and the brush head.
- Turn on switch "D" for unlocking of brush.
- Turn off the machine.
- Press the rear end of the machine downwards.
- Pull the machine towards the rear side.
- Brush is now lying in front of the machine.

OPERATION SQUEEGEE

Squeegee

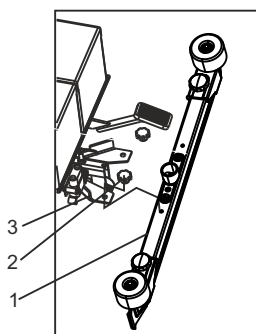
The machine equipped with a squeegee with a working width of 750 mm. The squeegee bracket group fixed to the machine, allowing swiveling and the oscillating movements. The squeegee, protruding at the side, evades obstacles in the machines path and is made swivel backwards.



Before starting to work, check the squeegee for possible collection of foreign matter and for proper condition.

Mounting of squeegee (first time)

- Lift squeegee bracket group (3)
- Mount squeegee (1) to squeegee bracket group (3) as shown in figure.
- Attach suction hose to the tubular socket of the squeegee.

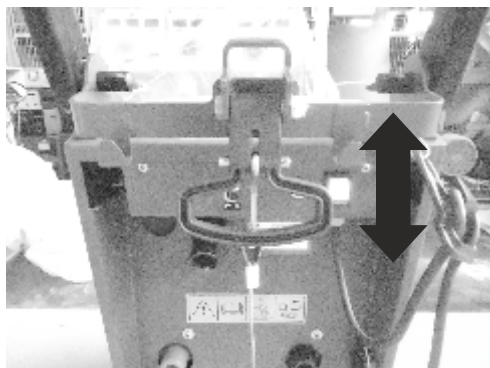


1. Squeegee
2. Squeegee Knob
3. Squeegee bracket group



The supporting wheel under the squeegee bracket group has been adjusted by the factory.

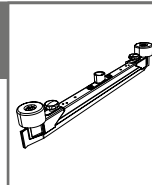
Raising / lowering the squeegee



- To lower the squeegee release the handle from its locking position by pulling it upwards and releasing it.
- To raise the squeegee lift the handle upwards and lock it in position.

Removal of squeegee

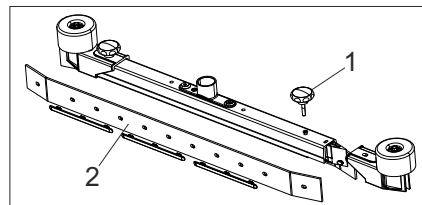
- Lift squeegee.
- Unscrew the squeegee nut (2 Nos.).
- Remove the squeegee towards the bottom side.



Replacement of sealing strips

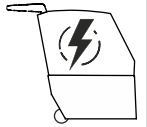
The sealing strips can be removed without any need of tools, as follows:

- Remove the squeegee (refer to section "Removal of squeegee")
- Remove the knob at the deflector area.(1)
- Pull the sealing strips (2).
- Mount the new sealing strips by inverse sequence of operation.
- Tightening of the knurled nuts (just slightly, by hand) has to be done starting from the center towards outside (sealing strips with slots to frontside, and plain one to the rear).



- If worn, the rear sealing strip can be turned at the front side edge.
- The supporting strip may modify the sealing strip effect, hard-soft, and thus be adapted to different floor conditions.

PROCEDURE FOR SCRUBBING



Dirty And Fresh Water Tanks

The machine has a Dirty water tank and a Fresh water (lye) tank. Please do not fill water temperature above 50°C. Do not fill the tank beyond its maximum capacity. Dirty water is fed via the suction hose into the dirty water tank.



- Do not collect any external water.
- When work is finished both the dirty and the fresh water tanks on principle must be drained and rinsed in order to preclude formation of residues.



For disposal of dirty water and lye, the legal provisions have to be compiled with.
Check the in-feed filter in the tank regularly and clean it if required.

Filling of water



- Fill fresh water and detergent as described below before start of operation.
- Fill the fresh water tank with water (50° max) as required by the work to be done, and add detergent as specified by the manufacturer.



Use detergents suitable for automatic machines (low foaming) in order to preclude damages at the suction turbine. We recommend our agents for cleaning and care, which are perfectly adopted to the machine. These products fulfil the requirements of the Detergents Act.

How to operate the machine:

- Turn on Switch "B" the brush is rotating.
- To discharge the detergent, position the lever suitably to achieve the desired flow of detergent.
- Lower the brush head.
- Lower the squeegee.
- Turn on switch "A" the suction turbine is running.

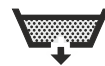


After lowering the brush move the machine immediately; otherwise the brush might leave traces on the floor. Lift the squeegee during reverse travel. When passing over dormers with a height of more than 0.7° in =10 mm, the brush drive must be turned off and the brush must be lifted up.

- It is dangerous to pass over the power supply cable while the brush is rotating.
- Cleaning of floor areas starts from the outlet socket and is effected stripe by stripe.
- In case of unoccupied areas it will be useful to clean at first the border areas, passing with the machine along those areas in counterclockwise sense.
- Cleaning of the remaining areas then should be effected stripe by stripe, starting from the outlet socket.
- Partially occupied areas should be subdivided into single working areas, within reach of the power supply cable.
- Within a short time, the operator will learn how to avoid unnecessary inconveniences caused by the cable.

Procedure for draining tanks

- Slowly open the cap and drain the water.
- Re-close the cap.
- Re-attach the drain hose.
- Follow the above sequence to drain the fresh water tank.



Draining of dirty water tank

- Is used to drain the dirty water.



When work is completed, the dirty water tank has to be drained and rinsed.



Draining of fresh water tank

- The water level hose is used to drain the fresh water.



The tank requires rinsing at regular intervals.

PROCEDURE FOR SCRUBBING



At the end of cleaning

- Stop the machine and lift the brush head.
- Lift the squeegee.
- Drain and rinse the dirty water tank (refer to section "Dirty and Fresh Water Tanks")
- Clean the sealing strips at the squeegee.
- Check the strainer upstream of the intake opening in the fresh water tank; clean if required, as otherwise the suction efficiency will be affected.

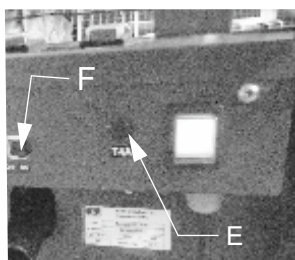


The machine must not be cleaned by water jet or high pressure cleaning equipment, as this will endanger its proper working function.



Electrical system

The electrical equipment of the machine uses a mains voltage of 230 V/50 Hz AC. Easy access to brush motor and suction turbine is possible after the upper part of the unit has been tilted to upside. The suction turbine has been provided with a fuse (E) having a rating of T4A. It must be replaced by a fuse of same rating (T stands for Time-lag). The brush motor is protected by a circuit breaker (F) which requires to be manually reset in case of tripping. When brush motor trips identify the cause and correct it before trying to run the machine. The protector can be reset by pressing transparent dome on the electrical box cover. Please allow approximately 30 seconds before resetting.



E. Fuse for vacuum motor.
F. Overload protector for brush motor.



- If there should be repeated cases of failure, look for the reason.
- Any work at the electrical system has to be carried out by specialized electricians only.

Maintenance work

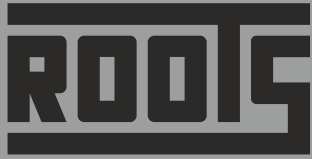
Compliance with our recommendations concerning maintenance work will give you the certitude always having a machine at your disposal, which is ready to work and in good operating condition. Please contact your local Roots Multiclean distributor; the people there will be glad to perform that work for you. There well trained personnel and genuine Roots spare parts are at your disposal.

- Well trained personnel and genuine Roots spare parts are at your disposal.
- In case of any inquiries or orders for spare parts, please always quote the machine's serial number mentioned on the nameplate.
- The name plate is fixed in the rear side of the machine.
- When cleaning or servicing the machine, and when replacing any parts, shut off the machine and on principle disconnect the power plug from the power supply.
- For reasons of safety during cleaning and/or maintenance work in or on the tank, the tank lid - when lifted - must be secured so as to prevent accidental closing or tilting down.

- The machine may be taken into operation only if all guarding devices are fitted and in protective position. As far as possible, cleaning should not be done by hand, but using appropriate tools or equipment.
- Maintenance and repair work may be carried out only by means of suitable tools and by the people trained in the factory. For reasons of safety, only genuine spare parts may be used.

Maintenance Schedule

| Maintenance Work | Service Hours Every | | | |
|--|---------------------|----|-----|-----|
| | Daily | 50 | 100 | 200 |
| Check connection - extension cables and plugs for good condition; discard defective cables immediately | ● | | | |
| Empty and clean the soiled water tank | ● | | | |
| Check the sealing strips of squeegee for good condition | ● | | | |
| Check the squeegee for possibly collected foreign matter and clean it, if required | ● | | | |
| Check the float for proper operation | ● | | | |
| Check the stainer in the fresh water tank, clean it as required. | ● | | | |
| Check the suction hose between squeegee and soiled water tank | | ● | ● | ● |
| Check the caps both of fresh and soiled water drain hose; check them for smooth operation | | ● | ● | ● |
| Check the squeegee sealing strips for wear; renew them if required | | ● | ● | ● |
| Check the brush for tight fit and wear; renew them if required | | ● | ● | ● |
| Check the tank lid seal; renew if it is required | | | ● | ● |
| Check the fresh water infeed to the brush | | ● | ● | ● |
| Remove carbon dust from the suction motor, check the carbon brush for smooth operation and wear; renew as required | | | | ● |



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