



# RA565 IBC

Scrubber dryer



## Operating Instruction

Operation,  
care and maintenance



This manual is supplied with each new machine.  
It contains the necessary operating and maintenance instructions.

**Read and understand this manual completely before operating or servicing the machine.**

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The descriptions contained in this document are not binding.  
The company therefore reserves the right to make any modifications at any time to elements, details, or accessory supply, as considered necessary for reasons of improvement or manufacturing/commercial requirements.  
The company reserves the right to make any technical and/or supply modifications. The images are for reference purposes only and are not binding in terms of design and supply.

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This machine will provide you with excellent service. However, the best results will be obtained at minimum cost if:

- the machine is operated with reasonable care.
- the machine is maintained in accordance with the instructions provided.
- the machine is maintained with parts supplied by the manufacturer.

#### **PROTECTING THE ENVIRONMENT**

Please dispose of packaging materials, old machine parts such as batteries, dangerous liquids (including antifreeze and oil) in an environmentally friendly manner and in accordance with local waste disposal regulations.

Always remember to recycle.



Specifications and parts are subject to change without notice.

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## 2 SAFETY PRECAUTIONS

This scrubbing machine is designed for the professional cleaning of surfaces and floors in industrial, commercial and public environments. The machine is only suitable for use in an enclosed or at least covered location. Please use only recommended pads, brushes and commercially floor cleaners intended for use with the machine. The following warning alert symbol and the heading "FOR SAFETY" are used throughout this manual as indicated by their description.



**WARNING:**

to warn of dangers or unsafe practices which may result in serious injury or death.

**FOR SAFETY:**

Indicates actions that must be followed for the safe operation of the device.

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The following safety instructions indicate potential dangers for the operator or the device. They must be read, understood, and followed by all operators.



**WARNING: Fire and explosion hazard**

- Never use flammable liquids or operate the machine in or near flammable liquids, vapors or dusts.
- This machine is not equipped with explosion proof motors. The electric motors will produce sparks during start-up and operation which may cause a flash fire or explosion if the machine is used in an area where flammable vapors/liquids or combustible dusts are present.
- Do not vacuum flammable materials.
- Batteries release hydrogen gas, keep away from sparks and open flames. Keep the battery compartment open during charging.



**WARNING: Electrical Hazard**

- Disconnect the battery cables and charger plug before servicing the machine.
- Do not charge batteries with a damaged power cable. Do not modify the plug.

If the charger's power cord is damaged or broken, it must be replaced by the manufacturer or its service agent or a similarly qualified person to avoid a hazard.



**WARNING: Spinning brush**

Keep hands away. Switch off the power supply before working on the machine.

## FOR SAFETY

### 1. Do not operate the machine:

- With flammable liquids or near flammable vapors as an explosion or flash fire may occur.
- Unless trained and authorized.
- Unless the operating manual has been read and understood.
- If not in proper operating condition.

### 2. Before starting the machine:

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

### 3. When using the machine:

- Drive slowly on inclines and slippery surfaces.
- Wear non-slip shoes.
- Reduce speed when turning.
- Report any damage or malfunction of the machine immediately.
- Never allow children to play on or near the machine.
- Follow mixing and handling instructions on chemical containers.
- Do not operate on slopes exceeding 5% (3°)

### 4. Before leaving the machine or before maintenance work:

- Stop on a level surface.
- Switch off the machine.
- Remove the key.

### 5. When servicing the machine:

- Do not wear loose jackets, shirts or sleeves.
- Disconnect the battery cables and charger plug before working on the machine.

### 6. Wear protective gloves and eye protection when handling batteries and battery cables.

- Avoid contact with battery acid.
- Do not hose down the machine. Electrical malfunctions may occur.
- Use only spare parts supplied or approved by the manufacturer.
- All repairs must be carried out by a qualified service technician.
- Do not modify the machine from its original design.

### 7. When loading/unloading the machine:

- Empty tanks before loading.
- Remove the batteries before loading.
- Move the machine only with the help of other persons.
- Switch off the machine.
- Move brush head into lowered position.
- Secure the machine with tension belts.

### 3 SAFETY LABELS

The safety labels are located in the marked points on the machine. Missing, damaged or illegible signs must be replaced.

**WARNING LABEL-** are located on the lid of the dirty water tank.

	<p><b>Explosion, fire and electric shock hazard, risk of injury.</b></p>
	<p>Do not use or absorb flammable materials.</p>
	<p>Do not use near flammable liquids, vapors or combustible dusts. Disconnect battery cables and charging cable before servicing.</p>
	<p>Keep sparks and open flames away when charging batteries. Keep battery compartment open during charging.</p>



**Please read these instructions carefully before operating the device.**



**BRUSH LABELS**  
**WARNING:** Keep your hands away from the rotating brush; switch off the device before working on it.



## 4 MACHINE COMPONENTS



1. Steering wheel with control panel
2. Main switch for switching on and off
3. Push button for horn
4. Brush lift-off
5. Suction nozzle lift-off
6. Dirty water tank cover
7. Warning light
8. Suction hose
9. Dirty water tank
10. Dirty water drain hose
11. Suction nozzle
12. Brush
13. Fresh water tank
14. Gas pedal
15. Fresh water level indicator
16. Filler neck for fresh water

## 5 SYMBOLS ON STEERING COLUMN AND CONTROL PANEL



Horn button to sound an audible alarm



Energy saving switch



Switch to direction selection - forward travel



Button: mounting / dropping the brush



Symbol: lifting the brush head / suction nozzle



Symbol: lowering the brush head / suction nozzle



Symbols of the suction nozzle on the steering column



Symbol of the brush head on the steering column



Symbol for the maximum water temperature (50°) that can be used without damaging the fresh water tank



## 6 PRE-INSTALLATION OF THE MACHINE

### Un-boxing the machine

1. Carefully check the transport box for any signs of damage. Report any damage to the carrier immediately.
2. Check the contents list. Contact the distributor if any items are missing

**Contents:**

- 150Ah batteries (deliveries to Switzerland are delivered without battery - optional 105Ah battery)
- 24 V Battery charger
- Suction nozzle
- 1 Driving disc, 1 brush

**Pads must be purchased additionally.**

3. The machine is packed in special packaging on a pallet for transport by forklift trucks. The packages must not be stacked on top of each other.
4. Before unpacking the machine, remove the fasteners and the straps that have secured the machine to the pallet. Carefully unload the machine with the help of other persons.

**WARNING: Do not push the machine off the pallet unless an access ramp is used, otherwise the machine may be damaged.**

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### INSTALLING BATTERIES

**⚠ WARNING: Risk of fire or explosion. Batteries release hydrogen gas. Keep away from sparks and open flames.**

Keep the battery cover open when charging. You must follow the manufacturer's instructions carefully, otherwise the manufacturer will not be responsible for the consequences.

**FOR SAFETY:** Wear protective gloves and eye protection when installing the machine. Avoid contact with with battery acids.

1. Place the machine on flat surface and check that the main switch is turned off.
2. Lock the machine by activating the electronic brake.
3. Ensure that the dirty water tank is empty, otherwise empty completely.
4. Carefully insert the batteries into the battery compartment. Arrange the batteries as illustrated (Figure 2).
5. Place the batteries in the compartment, with the red ones on + and the black once on -.



Figure 1

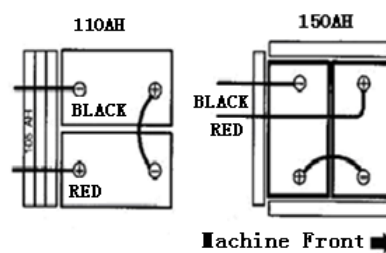



Figure 2

## Connecting the battery charger

**INFORMATION:** Before charging, ensure that the charger is properly set for your battery type, otherwise damage may occur.

Please check the battery label to ensure that the battery type is set correctly.

In order to avoid permanent damage to the batteries, it is important to avoid deep discharge. Check the charging process. If the flashing light "discharged batteries" lights up within a few minutes, contact your service centre.

 **WARNING:** Never allow the batteries to become completely discharged, even when the machine is not in use, and ensure that the charger is suitable for the installed batteries in terms of capacity and type.

**Attention!** When using the on-board charger, connect the charger plug to the power supply. The charger is working when the LED light is on.

 **WARNING:** Leave the dirty water tank open during charging to allow vapors to escape.

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## 7 MACHINE CLEANING

Water and detergent flow from the fresh water tank through a valve onto the floor. The brushes use the detergent and water to scrub the floor. As the machine moves forward, the suction nozzle sucks the dirt solution from the floor into the dirty water tank.

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## 8 INFORMATION ABOUT BRUSHES AND PADS

For best cleaning results, use the appropriate brush type for your cleaning application. For part numbers, refer to the Parts Manual.

The following brushes and driving discs are recommended.

**Scrubbing brush (53 cm) item number 566.059**

Recommended for cleaning coated floors without removing the varnish.

**Driving disc (53 cm) item number 566.070**

To accommodate the pad.


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## 9 MACHINE PREPARATION

### Fresh water tank

The dirty water tank must be completely emptied each time the fresh water tank is filled. Remove the filler cap (1) on the right side of the machine and check that the filter is inserted correctly.



 **WARNING:** The dirty water tank must be completely emptied each time the fresh water tank is filled. Make sure that the filter lid (2), which is located under the fresh water tank at the front right of the machine, is properly closed.

### Filling the fresh water tank

The fresh water tank can be filled in two different ways:

Remove the filler cap (1) and fill the tank using the rubber hose located on the left side of the machine. Remove the filler cap (1) and fill with clean water at a temperature of max. 50°C. The quantity in the tank can be read from the level indicator on the right front of the seat. The fresh water tank has a maximum capacity of 65 liters. Add detergent to the tank in the concentration indicated on the detergent manufacturer's label. Use only as much detergent as necessary to avoid excessive foam which can damage the suction motor.



**⚠ WARNING: Only use detergents whose suitability for scrubbing machines is indicated on the manufacturer's label. Do not use acidic or alkaline products or solvents without this indication. Acidic or alkaline detergents can be used if they have a pH between four and ten and do not contain oxidizing agents, chlorine or bromine, formaldehyde, or mineral solvents.**

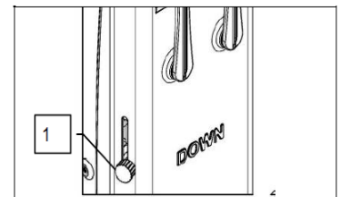
**⚠ WARNING: Always wear protective gloves before handling detergents or acid or alkaline solutions to avoid serious injury to hands.**

**WARNING: Always use low-foaming detergents. To avoid foaming, add a minimum amount of defoamer fluid to the dirty water tank before starting cleaning. Do not use pure acids.**

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### Regulation of the detergent

Open the ball valve completely with the lever (1) on the steering column. Check the first few meters, to see if the amount of solution is sufficient to wet the ground. The amount can be adjusted with the lever (1) by pushing it down to increase the flow or up to decrease it. Note that the correct amount of solution always depends on the condition of the ground, the degree of contamination and the driving speed.



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### Dirty water tank

Make sure that the dirty water tank is empty, otherwise empty it completely. Check that the lid of the drain hose (1) (on the back of the machine) is properly closed.

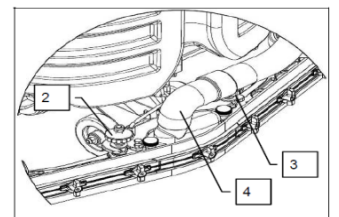
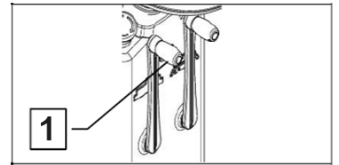


## Installation of the suction nozzle

The suction nozzle, which is delivered disassembled from the machine for packaging reasons, must be fitted when the machine is assembled.

Proceed as follows during assembly:

1. Lift the suction nozzle by turning the left lever (1) clockwise.
2. Turn the main switch key counterclockwise to turn off.
3. Pull the key off the dashboard.
4. Release star grips (2) and (3) from the suction nozzle holder.
5. Insert the left-hand suction nozzle pin into the left-hand slot of the suction nozzle connector and then tighten the star grip (2), making sure that the washer and spring adhere to the upper part of the suction nozzle holder.
6. Insert the right suction nozzle pin into the right slot of the suction nozzle connection, then tighten the star grip (3), making sure that the washer and spring are attached to the upper part of the suction nozzle holder.
7. Insert the suction hose (4) into the suction nozzle sleeve.

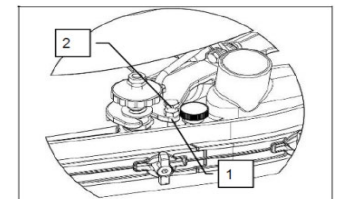


**ATTENTION:** This work must be carried out with protective gloves to avoid any contact with the edges or tips of metal objects.

## Adjusting the angle of the suction nozzle

During work, the rear rubber blade is evenly tilted slightly (approx. 5 mm) backwards along the entire length. If you want to increase the bending of the rubber blade in the middle part, you have to tilt the suction nozzle. To do this, proceed as follows:

1. Loosen lock nut (1).
2. Turn the screw (2) clockwise to increase the bend of the rubber blade in the middle part of the suction nozzle.
3. When the adjustment is complete, tighten the lock nut (1).

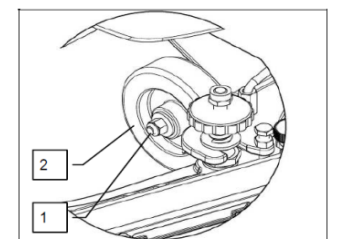


## Adjusting the height of the suction nozzle

The height of the suction nozzle must be adjusted according to the wear condition of the rubber blades.

Carry out the following steps for the adjustment:

1. Unscrew the lock nut (1).
2. Raise or lower the wheel (2) by sliding it in the slot of the holder.
3. Once the desired height is reached, secure by tightening the lock nut (1).

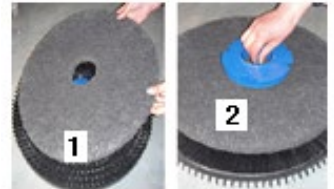
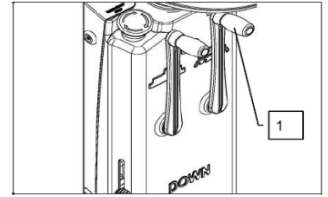


**ATTENTION:** To make the work easier, lower the suction nozzle completely and place a spacer of a few millimeters (2 to 4 mm depending on the type of rubber blade) under the wheel.

## Mounting the brushes / pads

**FOR SAFETY: Stop the machine on a flat surface before mounting the brushes or the driving disc.**

1. Check that the main switch is turned off.
2. Lift the brush head by turning the right lever (1) to move the brush head counterclockwise.
3. When the brush head is in the up position, insert the brushes into the housing of the plate under the brush head, switch on the machine, press the button on the control panel and the brush will be mounted automatically.
4. Fix the pad onto the driving disc (1). Secure with the centre lock (2).



**⚠ WARNING: It is recommended to always wear protective gloves to avoid the risk of hand injuries.**

**⚠ WARNING: Make sure that no persons or objects are near the brush during this process.**

**CAUTION: Make sure that the brush is inserted correctly. If it is not, the machine may move unevenly and suddenly.**

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## Flashing light

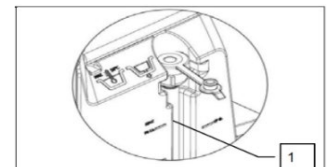
The machine is equipped with a flashing light that turns on automatically when the key in the main switch is turned on.



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## Fresh water tank

To check the amount of water in the fresh water tank, there is a level indicator tube (1) in front of the driver's seat.



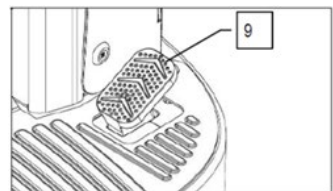
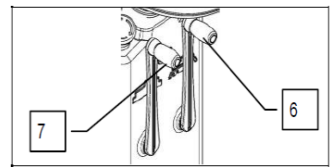
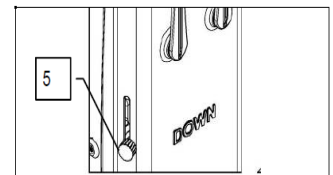
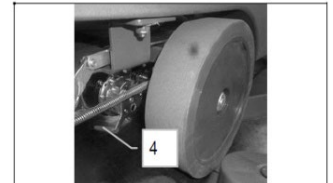
## 10 MACHINE OPERATION

For safety reasons: Do not operate the machine until you have read and understood this instruction manual.

**⚠ WARNING: Fire and explosion hazard. Do not vacuum flammable materials.**

### Before start-up

1. Check if the main switch is turned off.
  2. The display window of the control panel shows the battery level.
  3. Check the wear of the pad/brush.
  4. Check that the suction nozzle is correctly adjusted.
  5. Check that the dirty water tank is empty and that the big debris filter is installed and clean.
  6. Check that the electronic brake (4) is applied.
  7. Sit on the driver's seat.
  8. Move the fresh water regulator (5) down and set it to the desired amount of water.
  9. Lower the brush head by turning the right lever (6) clockwise and lower the suction nozzle by turning the left lever (7) counterclockwise.
- ⚠ WARNING: As soon as the gas pedal is pressed and the brush head is in its working position, the magnetic valve switches on and dispenses detergent. As soon as the suction nozzle is in its working position, the suction motor switches on and works.**
10. Engage forward gear with the switch (8) on the steering column.
  11. Press the gas pedal (9) to set the machine in motion.
- ⚠ WARNING: When reversing, the suction nozzle must be lifted off the ground. To do this, turn the lever (7) clockwise.**
12. To drive backwards, first press down the switch (8) and then the gas pedal (9).



**⚠ For the first few meters, make sure that there is enough cleaning solution and that the suction nozzle dries perfectly.**

**The device now works at full power until the battery is empty or until the cleaning solution is used up.**

### Overflow device

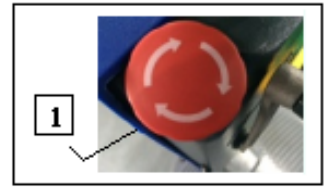
The machine is not equipped with an overflow safety device because the capacity of the dirty water tank is larger than that of the fresh water tank. In exceptional cases, there is a mechanical device (float) inside the dirty water tank, which, when the dirty water tank is full, cuts off the air supply to the intake of the suction motor in order to protect it; in this case, the noise of the suction motor will be deeper. In this case, lift the suction nozzle by turning the left lever clockwise. After about 15-25 seconds, switch off the suction motor by turning the key 1/4 turn counterclockwise. Turn the key clockwise by 1/4 turn and move the machine to the designated water drain area. Then empty the dirty water tank through the special drain hose (1).



**⚠ WARNING: Do not hold the gas pedal down when switching on the machine.**

## Emergency stop switch

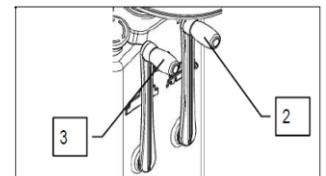
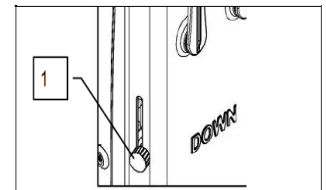
If problems occur during work, press the emergency stop switch under the control panel, the machine stops and the electric brake is released. To continue the work, the machine must be restarted.



## 11 AFTER COMPLETION OF THE WORK

After completion of the work and before carrying out maintenance work, the following work must be carried out:

1. Close the ball valve by pushing the fresh water control (1) upwards.
2. Lift the brush head by turning the right lever (2) counterclockwise, then lift the suction foot by turning the left lever (3) clockwise. The suction motor will automatically turn off after a few seconds.
3. Move the machine to the place intended for draining the water.
4. Turn off the device by turning the key 1/4 turn counterclockwise and pull it out of the control panel.



**⚠ WARNING: Before performing any maintenance, remove the keys from the control panel and disconnect the battery connector.**

5. Loosen the hose (4), unscrew the drain cap, and empty the dirty water tank.

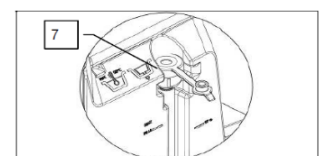
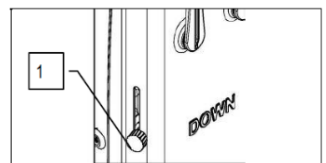
**⚠ WARNING: This procedure must be carried out with gloves to protect yourself from contact with dangerous solutions.**




6. Pull the suction hose (5) off the suction socket.
7. Remove the suction nozzle from the support arm by unscrewing the star grips (6).
8. Clean both the suction nozzle and the rubber blades well with water.
9. After cleaning the suction nozzle and the rubber blades, place the suction nozzle back on the original holder by first inserting the left pin of the suction nozzle into the left slot of the arm and then the right pin into the right slot, making sure that the spring and washer remain on the plate of the arm. This can be simplified by first loosening the star grip on the pin. Tighten the star grip to fix the suction nozzle.
10. Finally, insert the suction hose into the special sleeve.



11. To empty the fresh water tank, push the button (1) down.
12. Take the drain hose of the fresh water tank (7) and remove it from its holder on the fresh water tank on the right side of the machine.
13. Open the lid of the drain hose and empty the tank.
14. Close the lid of the drain hose.
15. Reinsert the drain hose (7) into its holder on the fresh water tank on the right side of the machine.
16. Sit on the driver's seat.
17. Insert the key into the ignition lock and drive the machine to a safe area after starting it.




18. Park the machine in a closed place where it cannot cause any damage to people or other objects but is also protected from falling objects.
19. Turn the ignition key counterclockwise (OFF position) and remove the key.
20. Lift the dirty water tank and disconnect the battery plug.

 **WARNING: Do not leave the machine unattended without first removing the key for the start switch and applying the parking brake. Also, do not park the machine in open places or on sloping floors.**

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## 12 CHARGING THE BATTERIES

**Caution: To extend the life of the batteries, charge the batteries only when the device has been used for a total of 30 minutes or more. Do not allow the batteries to discharge for a long period of time.**

 **WARNING: Fire or explosion hazard. The batteries give off hydrogen gas. Keep sparks and open flames away. Keep the battery compartment open when charging.**

**FOR SAFETY: Wear protective gloves when handling batteries and battery cables. When servicing batteries, please wear eye protection.**

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### Battery charger specifications

**Type:**

- For sealed (gel) batteries
- For wet batteries (lead acid)
- Output voltage: 24 V
- Output current: 11 A
- Automatic disconnection
- For charging deep cycle batteries



## 13 DAILY MAINTENANCE

To keep the machine in good working condition, it is important that the following maintenance operations are carried out regularly.

### Cleaning the dirty water tank

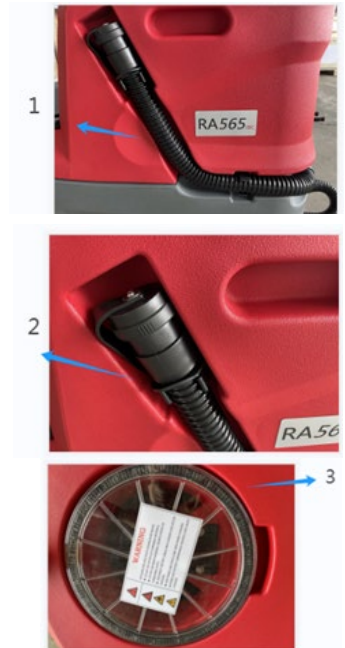
1. Loosen the hose (1), unscrew the lid, and empty the dirty water tank.
2. Grasp the handle (2) pressed into the dirty water tank and turn it as far as it will go.

**⚠ WARNING: Before performing any maintenance, remove the keys from the control panel and disconnect the battery connector.**

**WARNING: This operation must be performed wearing gloves to protect against contact with dangerous solutions.**

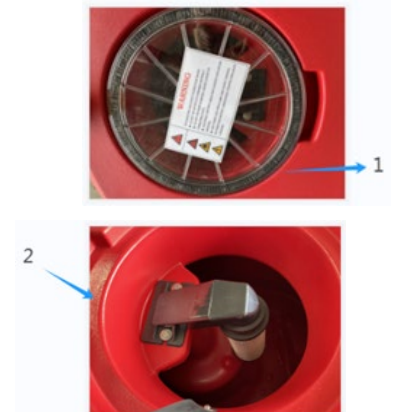
3. Remove the tank cap (3).
4. Clean and rinse the dirty water tank.
5. Reassemble all elements.

**⚠ WARNING: Be careful not to hit the float of the dirty water tank directly, otherwise water could enter the connected vacuum motor.**



### Cleaning the dirty water tank float

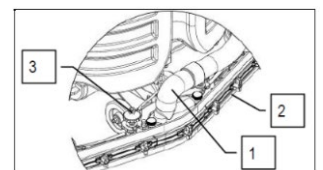
1. Remove the tank cap (1).
2. Remove the float (2) by pulling it downwards.
3. Clean the net and the float with water.
4. Reassemble all elements.



### Cleaning the suction nozzle

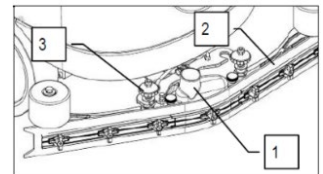
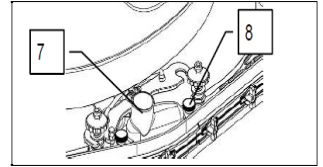
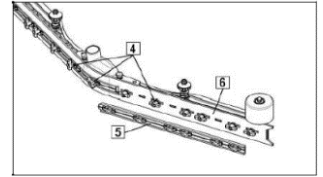
Careful cleaning of the suction nozzle ensures better cleaning and suction of the floor and longer life of the suction motor. Proceed as follows for cleaning:

1. Push the suction hose (1) out of the suction sleeve.
2. Remove the suction nozzle (2) from the support arm by unscrewing the star grip (3).
3. Use a damp cloth to clean the front and rear rubber blades and the vacuum chamber of the suction nozzle body.



**CAUTION: This procedure must be carried out with gloves to protect yourself from contact with dangerous solutions.**

4. Check the wear of the rubber blades. If the edge of the rubber blades is badly damaged, the rear rubber blade (6) can be rotated on all four edges. If the rubber blades are completely worn, replace them. To remove the rubber blades, turn the wing nuts (4) to a horizontal position, remove the star grip (5), and then remove the rubber blades to rotate or replace them.
5. Clean the suction sleeve (7). To do this, turn the star knobs (8) counterclockwise and remove the nozzle from the suction nozzle housing.
6. Place the suction sleeve back on the suction nozzle body.
7. After cleaning, place the suction nozzle (2) back on the original holder by first inserting the left pin of the suction nozzle into the left slot of the arm and then the right pin into the right slot, making sure that the spring and washer remain on the plate of the arm. This can be simplified by first loosening the handwheel (3) on the pin. Then tighten the star knob (3) to lock the suction nozzle and insert the suction hose into the corresponding suction sleeve (1).



## 14 WEEKLY MAINTENANCE

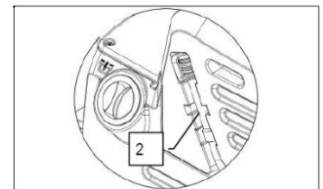
### Cleaning the suction hose

If the suction is not satisfactory, check that the suction hose is not clogged. If necessary, clean with water as follows:

1. Make sure that the dirty water tank is empty, otherwise empty it completely.
2. Check that the main switch is turned off.
3. Pull the suction hose off the suction nozzle (1).

**⚠ WARNING: This procedure must be carried out with gloves to protect yourself from contact with dangerous solutions.**

4. Disconnect the suction hose from the receptacle on the dirty water tank (2).
5. Clean it with water from the side where it is connected to the tank.
6. Reassemble all the elements.



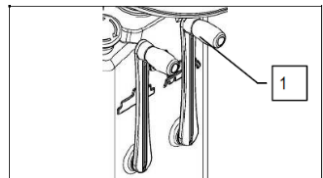
### Cleaning the brush

Thorough cleaning of the brush guarantees better working performance. When cleaning, follow these steps:

1. Check that the main switch is turned off.
2. Lift the brush head by turning the right lever (1) counterclockwise.
3. Press the release button (2), the brush will be automatically ejected.

**⚠ WARNING: During this process, make sure that there are no persons or objects near the brush.**

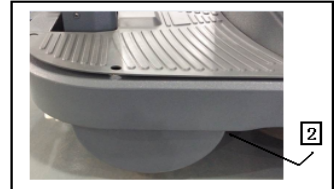
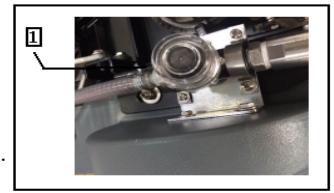
4. Take the brush and clean it under running water.
5. Place the brush back on the brush head.



## Cleaning the fresh water tank filter

Careful cleaning of the fresh water filter ensures better working performance. Proceed as follows for cleaning:

1. Check that the main switch is turned off.
2. Unscrew the filler cap (1).
3. Remove the filter screen and rinse everything thoroughly under running water.
4. Reassemble all the elements.
5. The filter is located under the machine (2).



## 15 ADDITIONAL MAINTENANCE

### Replacing the front rubber blade

When the front rubber blade is worn, the suction performance is poor and the machine does not suck perfectly. To replace it, proceed as follows:

1. Check that the main switch is turned off.
  2. Disconnect the suction nozzle by loosening the star grips (1)
- ⚠ WARNING: Before performing any maintenance, remove the keys from the control panel and disconnect the battery connector.**
3. Turn the wing nuts (2) to the horizontal position.
  4. remove the front pushers.
  5. Remove the rubber blade and replace the new one.
  6. Reassemble all the elements in reverse order.

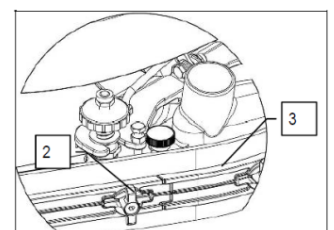
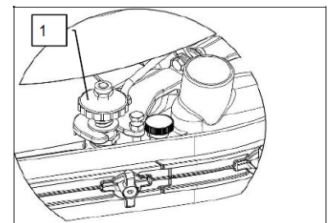


**⚠ WARNING: This work must be carried out wearing gloves to avoid contact with dangerous detergent.**

### Replacing the rear rubber blade

If the rear rubber blade is worn out and no longer sucks well, the rubber blade can be rotated or replaced. To do this, proceed as follows:

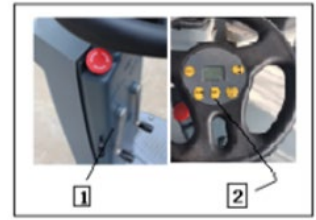
1. Check that the main switch is turned off.
  2. Disconnect the suction nozzle by loosening the star grips (1)
- ⚠ WARNING: Before performing any maintenance, remove the keys from the control panel and disconnect the battery connector.**
3. Turn the wing nuts (2) to the horizontal position.
  4. Remove the rear pushers (3) and then the rubber blade to turn it over or replace it.
  5. Reassemble all the elements in reverse order.
  6. If necessary, adjust the height of the rubber blade again.



**⚠ WARNING: This work must be carried out wearing gloves to avoid contact with dangerous detergent.**

## Replacing the brush

1. Check that the main switch is turned off.
2. Lift the brush head by turning the right lever (1) counterclockwise.
3. Press the release button (2), the brush will be automatically ejected.
4. Pick up the brush and replace it with the new one.



## Motor maintenance

Contact an authorized Cleanfix Service Center for carbon brush replacement.

**⚠ WARNING: Electrical Hazard. Disconnect the battery cables before servicing the machine.**

Carbon brush replacement	Hours
Drive motor	750
Suction motor	750
Brush motor	750

## 16 TROUBLESHOOTING

Problem	Solution
The machine does not start	Check if the batteries are charged. Make sure that the plug of the electrical system is connected to the plug of the battery. Check if the key switch is in ON/OFF position.
Too little water on the brushes	Check whether there is water in the fresh water tank. Check whether the ball valve for water regulation is open. Clean the fresh water filter on the front of the device.
The suction nozzle does not suck perfectly	Check that the suction nozzle is clean. Check the settings of the suction nozzle (see "Preparing the machine"). Clean the entire suction nozzle (see "Weekly maintenance"). Replace the rubber blades when they are worn.
The machine does not clean well	Check the wear condition of the brushes and replace them if necessary. The brushes should be replaced when the bristles are about 15 mm long. To replace the brushes, see "Replacing the brush". Working with excessively worn brushes can damage the floor. Use a brush other than the standard one. For cleaning floors with particularly stubborn dirt, we recommend using special brushes supplied on request and as required (see "Information on brushes and pads").
Excessive foaming	Check whether a low-foaming detergent has been used. If necessary, add a small amount of antifoam to the dirty water tank.
The suction engine does not work	Check whether the dirty water tank is full and empty it if necessary. Check the float for in the tank (see also "Cleaning the dirty water tank" in the "Daily maintenance" section).
The brush motor does not work (ATTENTION: To avoid damaging the floor, the motor starts only when the machine is moved forward).	Check that the brush lift is lowered when starting up. The operator must be properly seated in the travel position. Check that no thermal protection device intervenes.

## 17 TECHNICAL DATA

<b>Item number</b>	<b>566.000</b>
Power supply battery	105 Ah / 150 Ah
Power brush motor	24 V / 500 W
Power suction motor	24 V / 350 W
Power drive motor	24 V / 300 W
Vacuum	700 mbar
Brush revolutions	140 1/min
Brush pressure max.	15 kg
Working width	56 cm
Vacuum width	80 cm
Turning circle	200 cm
Fresh water tank	65 l
Dirty water tank	75 l
Productivity rate theoretical	2800 m <sup>2</sup> /h
Operation time	Up to 3 h
Speed max.	5 km/h
Grade level max.	8%
Weight	115 kg
Measurements l / w / h	126x50x105 cm