

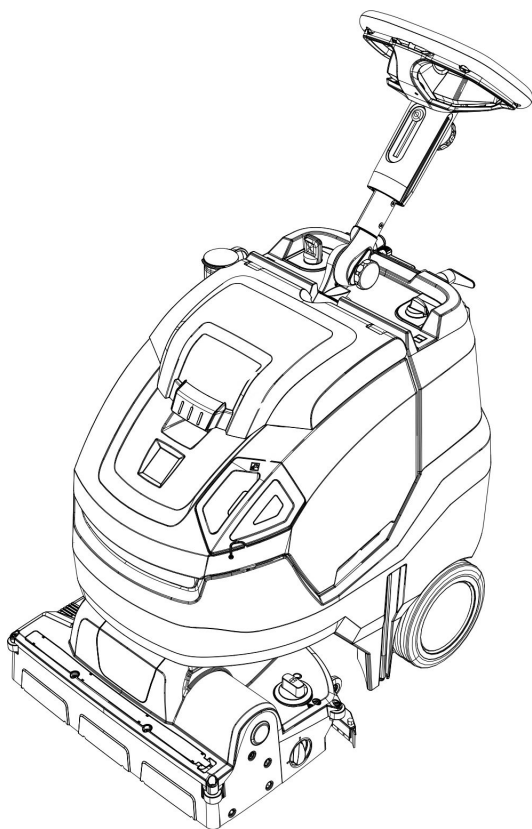


# exclusiva

## USER MANUAL HEFTER TURNADO® 45



PLEASE NOTE:  
Before use, carefully read  
the instructions for use.





## IMPORTANT SAFETY INSTRUCTIONS

### READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE

#### ⚠ **WARNING**

To reduce the risk of fire, electric shock, or injury:

- DO NOT LEAVE appliance unattended when plugged in. Unplug from outlet when not in use and before servicing.

#### ⚠ **WARNING**

- TO REDUCE THE RISK OF ELECTRIC SHOCK-USE INDOORS ONLY

- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not use with damaged cord or plug. If the unit is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- Do not pull or carry by the cord, do not use cord as a handle, do not close a door on the cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or appliance with wet hands.
- Do not put any object into openings. Do not use with any openings blocked; keep free of dust, lint, hair and anything that may reduce air flow.

- Keep hair, loose clothing, fingers and all parts of body away from openings and moving parts.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Connect to a properly grounded outlet only. See Grounding Instructions.
- Always disconnect cord from electrical outlet before servicing appliance.
- Never sweep off explosive liquids, combustible gases or undiluted acids and solvents. This includes petrol, paint thinner or heating oil which can generate explosive fumes or mixtures upon contact with the air. Acetone, undiluted acids and solvents must also be avoided as they can harm the materials on the machine.
- Do not vacuum up burning or smouldering objects!

### GROUNDING INSTRUCTIONS

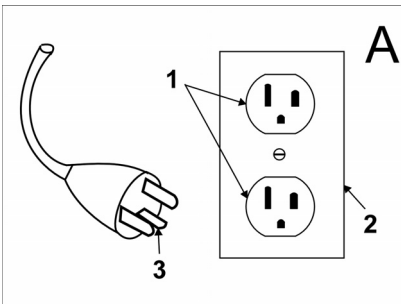
This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

## **⚠ DANGER**

*Improper connection of the equipment-grounding conductor can result in a risk of electrocution. Check with a qualified electrician or service personnel if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the product - if it will not fit the outlet, have a proper outlet installed by a qualified electrician. Do not use any type of adapter with this product.*

*This appliance is for use on a nominal 120-volt circuit and has a grounding attachment plug that looks like the plug illustrated in sketchpicture A. Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adaptor should be used with this appliance.*

### **CONNECT TO A PROPERLY GROUNDED OUTLET ONLY**



- 1 Grounded outlet
- 2 Grounded outlet box
- 3 Grounded pin

## **OPERATING SAFETY RULES AND PRACTICES**

### **Owner/User Responsibility**

The owner and/or user must have an understanding of the manufacturer's operating instructions and warnings before using this pressure washer.

Warning information should be emphasized and understood.

If the operator is not fluent in English, the manufacturer's instructions and warnings shall be read to and discussed with the operator in the operator's native language by the purchaser/owner, making sure that the operator comprehends its contents.

Owner and/or user must study and maintain for future reference the manufacturers' instructions.

### **General**

Before starting to operate the unit be in operating position.

Do not start or operate the unit, any of its functions or attachments, from any place other than from the designated operators position.

Before leaving the operator's position:

- A bring the unit to a complete stop;
- B if the unit must be on an incline, block the wheels.

Maintain a safe distance from the edge of ramps, platforms, and other similar working surfaces.

Do not add to, or modify the unit.

Do not block access to fire aisles, stairways or fire equipment.

### **Travelling**

Yield the right of way to pedestrians and emergency vehicles such as ambulances and fire trucks.

Cross railroad tracks at an angle whenever possible. Do not park closer than 6 ft (1800 mm) to the nearest rail of a railroad track.

Keep a clear view of the path of travel and observe for other traffic, personnel, and safe clearances.

Under all travel conditions, operate the unit at a speed that will permit it to be brought to a stop in a safe manner.

Do not indulge in stunt driving or horse-play.

Slow down for wet and slippery floors. Before driving over a dockboard or bridge plate, be sure that it is properly secured. Drive carefully and slowly across the dockboard or bridge plate, and never exceed its rated capacity. When negotiating turns, reduce speed to a safe level consistent with the operating environment. Make the turns smoothly.

### **Operator care of the unit**

If the unit is found to be in need of repair or in any way unsafe, or contributes to an unsafe condition, the matter shall be reported immediately to the user's designated authority, and the unit shall not be operated until it has been restored to safe operating condition.

If during operation the unit becomes unsafe in any way, the matter shall be reported immediately to the user's designated authority, and the unit shall not be operated until it has been restored to safe operating condition.

Do not make repairs or adjustments unless specifically authorized to do so.

### **MAINTENANCE AND REBUILD PRACTICES**

Operation of the unit may be hazardous if maintenance is neglected or repairs, rebuilds, or adjustments are not performed in accordance with the manufacturer's design criteria. Therefore, maintenance facilities (on or off premises), trained personnel, and detailed procedures shall be provided.

Maintenance and inspection of the unit shall be performed in conformance with the following practices:

A a schedules planned maintenance, lubrication, and inspection system

shall be followed; consult the manufacturer's recommendations.

B Only trained and authorized persons shall be permitted to operate a powered floor scrubber. Operators of powered floor scrubbers shall be qualified as to visual, auditory, physical, and mental ability to operate the equipment safely.

Avoid fire hazards and have fire protection equipment present in the work area. Do not use open pans of fuel or flammable cleaning fluids for cleaning parts.

### **FIRE SAFETY STANDARD**

Any unit not in safe operating condition shall be removed from service.

Repairs shall not be made in Class I, Class II, and Class III locations.

**Fire Prevention.** The unit shall be kept in a clean condition and reasonably free of lint, excess oil, and grease.

Noncombustible agents are preferred for cleaning the unit. Flammable liquids [those having flash points at or above 100°F (37,8°C)] are not allowed. Precautions regarding toxicity, ventilation, and fire hazard shall be appropriate for the agent or solvent used.

**Nameplate Visibility.** The unit type designations as shown on the nameplate and the type markers shall not be covered over with paint so that their identification information is obscured.



Please read and comply with these original instructions prior to the initial operation of your appliance and store them for later use or subsequent owners.

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## Safety instructions

Before using the appliance for the first time, read and observe these operating instructions and the accompanying brochure: Safety information for brush cleaning units, 5.956-251.0.

### **⚠ WARNING**

*Do not use the appliance on inclines.*  
**The appliance may only be operated when the container and all lids are closed.**

### Hazard levels

#### **⚠ DANGER**

*Pointer to immediate danger, which leads to severe injuries or death.*

#### **⚠ WARNING**

*Pointer to a possibly dangerous situation, which can lead to severe injuries or death.*

#### **⚠ CAUTION**

*Pointer to a possibly dangerous situation, which can lead to minor injuries.*

#### **ATTENTION**

*Pointer to a possibly dangerous situation, which can lead to property damage.*

### Information on battery (accumulator) and charger

Lithium-ion batteries are installed in the appliance. These are subject to special criteria. The removal and the installation as well as the examination of defective batteries may only be performed by the aftersales service center or a specialist.

Information on storage and transport can be obtained from your aftersales service center

#### **⚠ DANGER**

- *Alterations and modifications on the appliance are prohibited.*
- **Do not open the battery**, as there is a risk of an electrical shock; also, irritating or caustic vapors can escape.
- **Do not expose the battery to direct sunlight, heat or fire**, there is a risk of explosion.
- *Do not operate the charger in explosive environment.*
- *Ensure sufficient ventilation during the charging process.*
- *Do not use the charger if dirty or wet.*
- *Do not work with open flames, generate sparks or smoke in the vicinity of a battery or a battery charging room. Danger of explosion.*

#### **⚠ WARNING**

- *Check the appliance and the power cable for damage prior to every use. Do not use damaged appliances and have damaged parts repaired by specialists only.*

*Keep children away from batteries and charger.*

*Do not charge damaged batteries. Have damaged batteries replaced by the aftersales service center.*

- *Do not discard defective batteries in the domestic waste, inform aftersales service center.*
- *Avoid contact with liquids oozing out of defective battery packs. Rinse thoroughly if you accidentally come in contact with the fluid. Also consult a doctor if the fluid comes in contact with your eyes.*

### **⚠ CAUTION**

- *These operating instructions must be observed unconditionally. Observe recommendations of the law-maker for handling batteries.*
- *The mains voltage must correspond with the voltage indicated on the type plate of the appliance.*
- *Use the charger only to charge approved battery packs.*
- *The accumulator may only be operated with this appliance. It is dangerous and prohibited to use it for other purposes.*

If the safety switch is released, the brush drive shuts off.

## **Function**

The scrubbing vacuum cleaner is used for the wet cleaning of level floors.

It can be easily adjusted to the cleaning task by setting the water quantity. A working width of 450 mm and a capacity of 22 l in the fresh and waste water tank each enable effective cleaning with long working times.

The battery can be charged on a 110 V power outlet by means of the integrated charger.

## **Proper use**

Use this appliance only as directed in these operating instructions.

- This appliance is suited for the commercial use, e.g. in hotels, schools, hospitals, factories, shops, offices, and rental companies.
- The appliance should only be used for cleaning level floors that are not affected by moisture.
- This appliance is intended for inside use.
- The appliance is not suited for the cleaning of frozen grounds (e.g. in cold stores).
- The appliance may only be equipped with original accessories and spare parts.

## **Environmental protection**



The packaging material can be recycled. Please do not place the packaging into the ordinary refuse for disposal, but arrange for the proper recycling.



Old appliances contain valuable materials that can be recycled.

■ Please arrange for the proper recycling of old appliances. Please dispose your old appliances using appropriate collection systems.

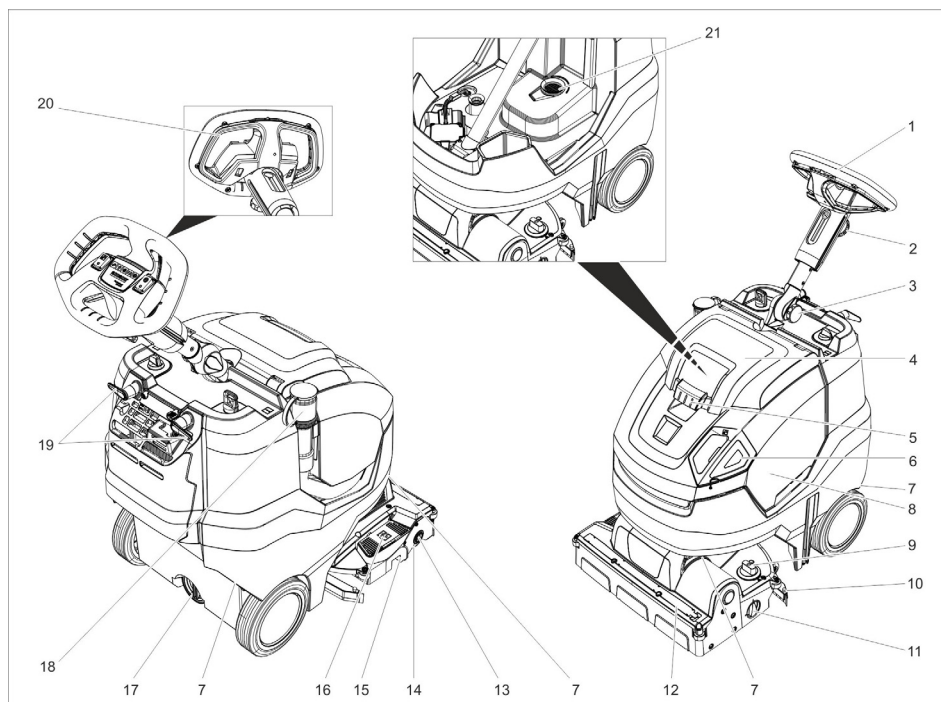
Electrical and electronic devices often contain components which could potentially pose a danger to human health and the environment if handled or disposed of incorrectly. However, these components are necessary for the proper operation of the device. Devices marked with this symbol must not be disposed of with regular household rubbish.

### **Information on ingredients (REACH)**

The latest information on ingredients can be found under:

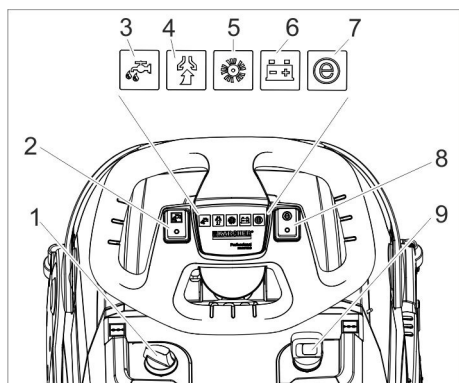
**[www.kaercher.de/REACH](http://www.kaercher.de/REACH)**

## Control elements



- |   |   |
|---|---|
| 1 Steering wheel  | 15 Coarse dirt container                      |
| 2 Star knob, height adjustment of the steering wheel        | 16 Vacuum bar lift pedal                      |
| 3 Star knob, transport position of the steering wheel       | 17 Drain outlet fresh water tank              |
| 4 Cover dirt water reservoir                                | 18 Drain hose for wastewater with dosing unit |
| 5 Unlocking device, cover waste water tank                  | 19 Cable hook, rotating                       |
| 6 Fresh water tank dosing lid                               | 20 Safety button                              |
| 7 Transport handle to lift the appliance                    | 21 Fluff filter                               |
| 8 waste water tank  |   |
| 9 Rotating handle for brush contact pressure (1=min, 4=max) |   |
| 10 Vacuum bar   |   |
| 11 Transport chassis rotary knob                            |   |
| 12 Water distribution bar                                   |   |
| 13 Unlocking button for brush roller                        |   |
| 14 Brush roller   |   |





- 1 Dosage cleaning solution
- 2 Switch for detergent solution
- 3 Control lamp to apply detergent solution
- 4 Indicator lamp vacuuming  
Green: Suction turbine in operation  
Orange, flashing: Suction turbine overloaded
- 5 Indicator lamp brush drive  
Green: Brush is rotating  
Orange, flashing: Brush overloaded
- 6 Battery status display

#### **In operation:**

Green Battery charged  
Orange: Battery almost empty  
Red Appliance switches off: Load battery

#### **When charging the battery:**






Orange blinking: Battery is being charged.  
Green: Charging is complete.  
Red: Fault during charging process.

- 7 Indicator lamp Eco mode

Blue: Eco mode  
Off: Full power

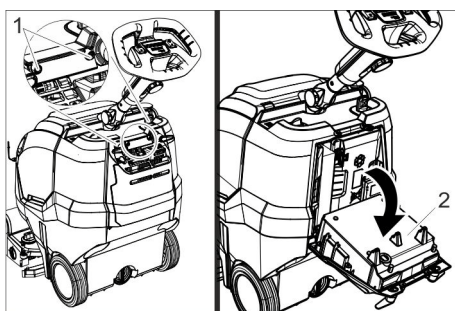
- 8 Switch Eco mode
- 9 Power switch

## **Symbols on the machine**

	Fresh water filler neck
	Pedal suction bar
	Transport chassis rotary knob
	Guide for tie down strap during transport in vehicles
	Contact pressure of the roller brush

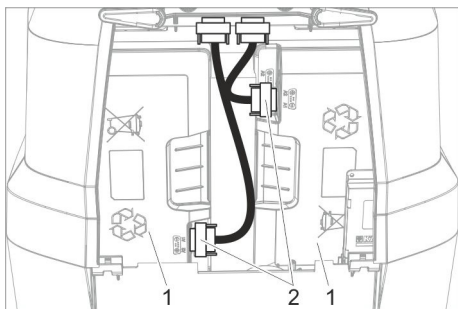
## **Before Startup**

### **Connecting the battery**



- 1 Screw
- 2 Charger

- ➔ Unscrew 2 screws.
- ➔ Swivel the charger down.



- 1 Battery
- 2 Plug

➔ Attach both plugs and tighten.

### Charging battery

#### Note:

The device is equipped with a safety mechanism to prevent total discharge, i.e. when the permissible minimum capacity is reached, the machine will be shut off.

The charging time takes approx. 4.5 hours.

The charger automatically switches off the charging process.

If necessary, the appliance can be used again before the battery has been fully charged.

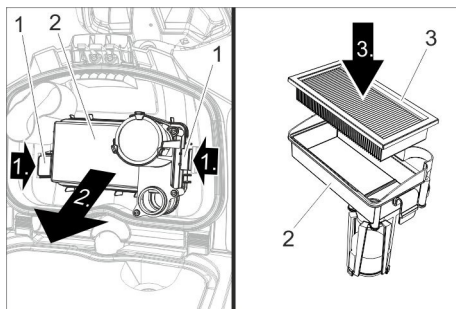
➔ Insert the mains plug into the socket.

### Operation

- ➔ Release the star knob for the transport position.
- ➔ Straighten the steering column.
- ➔ Tighten the star handle.

### Inserting the EPA filter (optional)

➔ Open the cover of the fresh water reservoir.



- 1 Locking
- 2 Filter casing
- 3 EPA filter

- ➔ Push in both locking mechanisms and remove the filter casing.
- ➔ Insert the EPA filter in the filter casing.
- ➔ Attach the filter casing on the cover of the waste water tank and engage the locking mechanism.
- ➔ Close the cover of the dirt water reservoir.

### Filling in detergents

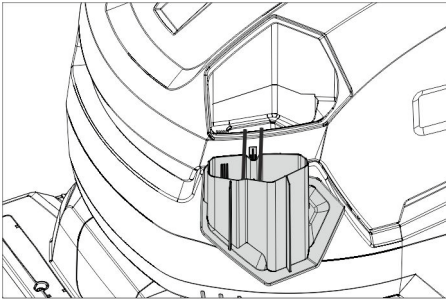
#### ⚠ WARNING

*Risk of damage. Only use the recommended detergents. With other detergents, the operator bears the increased risk regarding the operational safety, risk of accident and reduced service life of the appliance. Only use detergents that are free of solvents, hydrochloric acid and hydrofluoric acid. Follow the safety instructions for using detergents.*

#### Note:

Do not use highly foaming detergents. Observe the dosing notes.

- ➔ Remove dosing lid of the fresh water tank.
- ➔ Fill in fresh water (maximum 50 °C). Use the filler hose (accessories) if needed.



- ➔ Add detergent using the dosing lid.  
One capful corresponds to a 1% application.

Recommended detergents:

Application	Detergent
Regular cleaning (even for floors sensitive to alkalis)	RM 745 RM 746
Basic cleaning (stripping) of alkali-resistant hard coatings	RM 752
Basic cleaning (stripping) linoleum	RM 754
Base cleaner, acidic	RM 751
Disinfection cleaning	RM 732

Detergents are available in specialised stores.

- ➔ Close the dosing lid of the fresh water reservoir.

### Settings

- ➔ Release the star knob for the height adjustment of the steering wheel.
- ➔ Adjust the steering wheel to the desired height.
- ➔ Tighten the star handle.
- ➔ Adjust the dosing of the cleaning solution in accordance with the soiling and the type of the flooring material.
- ➔ Adjust the rotary handle of the brush contact pressure to the desired value.

Only adjust the brush contact pressure when the cleaning head is raised.

### Note:

If the appliance pulls forwards too strongly during operation, reduce the contact pressure.

- ➔ Bring the Eco mode switch into the desired position.

Normal operation: The appliance works at the maximum brush speed and the highest suction performance.

Eco: The appliance works at reduced brush speed and suction performance. This also reduces the energy consumption. The possible working time increases with one charging cycle.

### Park support

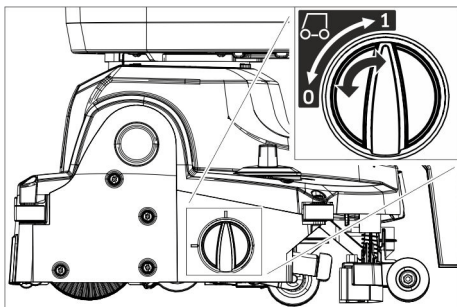
#### Lowering the park support

- ➔ Press the steering wheel downward so that the appliance lifts up towards the front.  
The park support swivels downwards.
- ➔ Release the steering wheel.  
The appliance is standing on the park support.  
The roller brush is unloaded and is protected from deforming.

#### Lifting the park support up

- ➔ Push the appliance forwards.  
The park support swivels upwards.

## Transport chassis



- 0 Transport chassis retracted
- 1 Transport chassis extended

### Extending the transport chassis

- Lower the park support.
- Turn the rotary knob to position 1 (transport chassis extended).

### Retracting the transport chassis

- Lower the park support.
- Turn the rotary knob to position 0 (transport chassis retracted).

## Cleaning

### ATTENTION

*Risk of damage to the floor covering. Do not operate the appliance on the spot.*

*Risk of damage. Lift the vacuum bar before pulling the appliance backwards over a longer distance.*

- Retract the transport chassis.
- Set the appliance switch to "I".
- Switch on "Detergent" button.
- Push down the pedal of the suction bar lifting device at the back to lower the suction bar and start suction.
- Pull the safety switch towards the steering wheel, the brush drive, the application of the cleaning solution and suction are switched on (if preset).
- Push the appliance forward until the parking stand folds up and the cleaning head touches the ground.

- Move the appliance over the surface to be cleaned.

### Note:

If the steering wheel is turned by 180°, the appliance also reverses.

### Operations stand-by

Standby mode goes off if the appliance is not used for 15 minutes with the power switch on.

### Restore standby mode:

- Set the appliance switch to "0".
- Wait for a while.
- Set the appliance switch to "I".

## Shutting Down the Appliance

- Release the safety switch.
- Drive the appliance forward for another 1-2 m to draw off residual water.
- Push down the pedal of the vacuum bar lifting device at the front to raise the vacuum bar.

### ATTENTION

*Vacuum lips and brush can be deformed permanently. Always park the appliance with the parking stand folded out.*

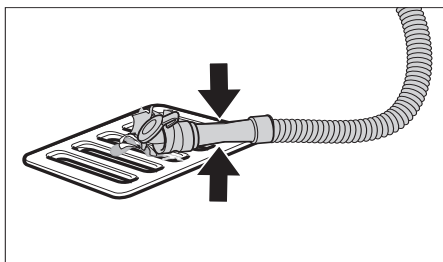
- Set the appliance switch to "0".
- Press the steering wheel downward so that the appliance lifts up towards the front.  
The park support swivels downwards.

## Emptying the waste Water tank

### △ CAUTION

*Health hazard due to improperly disposed of waste water. Please observe the local provisions regarding the wastewater treatment.*

- Retract the transport chassis.
- Lift the park support.
- Take the water discharge hose from the support and lower above a suited collection device.



- ➔ Crush or bend the dosing equipment.
- ➔ Open the lid of the dosing equipment.
- ➔ Drain off the dirt water - regulate the water quantity by pressing or bending.
- ➔ Rinse the dirt water reservoir with clear water.

### Emptying the Fresh Water Tank

#### **⚠ WARNING**

*Please observe the local provisions regarding the wastewater treatment.*

- ➔ Unscrew the cover from the drain opening of the fresh water tank and let the cleaning solution drain.

### Frost protection

In case of danger of frost:

- ➔ Empty the fresh and waste water tank.
- ➔ Store the appliance in a frost-protected room.

### Folding down the steering column

To reduce the space requirements for transport and storage, the steering column can be folded down.

- ➔ Release the star knob for the transport position.
- ➔ Swivel the steering wheel forwards.
- ➔ Tighten the star handle.

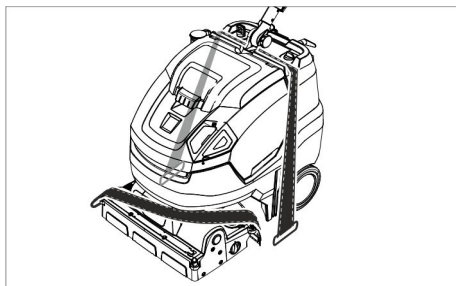
### Transport

#### **⚠ CAUTION**

*Risk of personal injury or damage! Mind the weight of the appliance during transport.*

- ➔ Remove the brush to avoid damage to the brushes.

- ➔ Lift the appliance using the transport handles.



- ➔ When transporting in vehicles, secure the appliance according to the guidelines from slipping and tipping over.

### Shutting down

- ➔ Completely charge the battery prior to longer operational breaks extending over several weeks.
- ➔ Set the appliance switch to "0".

#### **ATTENTION**

*Risk of damage to the battery due to total discharge.*

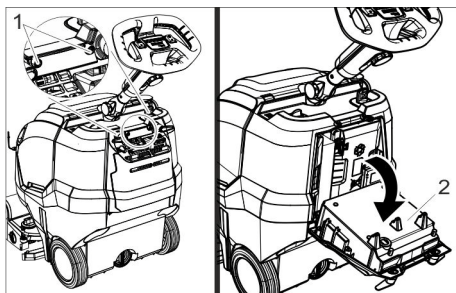
*Always switch the power switch to "0" during operational breaks.*

### Additional for appliance with fleet

#### **ATTENTION**

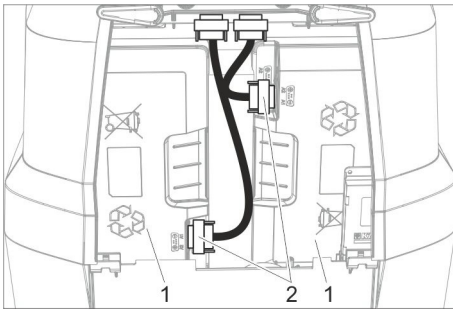
*Risk of damage to the battery due to total discharge.*

- ➔ Disconnect for operational breaks exceeding 4 months.



- 1 Screw
  - 2 Charger
- ➔ Unscrew 2 screws.

→ Swivel the charger down.



1 Battery

2 Plug

→ Undo both plugs and disconnect.

## Storage

### ⚠ CAUTION

*Risk of personal injury or damage!  
Consider the weight of the appliance  
when storing it.*

This appliance must only be stored in interior rooms.

## Care and maintenance

### ⚠ DANGER

*Risk of injury. Turn the appliance  
switch to "0" and pull the mains plug of  
the charger prior to performing any  
work on the appliance.*

### ATTENTION

*Risk of damage for the appliance due  
to leaking water. Drain the wastewater  
and remaining fresh water prior to per-  
forming tasks on the appliance.*

→ Park the machine on an even surface.

## Maintenance schedule

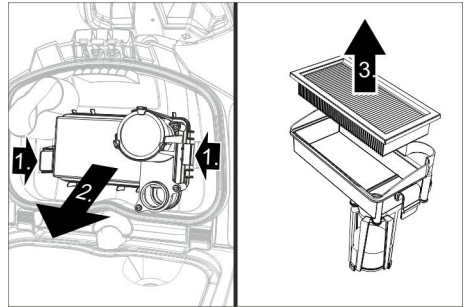
### After the work

### ATTENTION

*Risk of damage. Do not sluice the ap-  
pliance with water and do not use ag-  
gressive detergents.*

→ Drain off dirt water.

→ Open the cover of the fresh water  
reservoir.



→ Remove the EPA filter (optional)  
and allow it to dry outside of the ap-  
pliance.

→ Rinse the inside of the cover and  
the float with water.

→ Rinse the waste water tank with  
clear water.

→ Clean the vacuum bar.

→ Remove bulk waste container and  
empty it.

→ Clean the outside of the appliance  
with a damp cloth which has been  
soaked in mild detergent.

→ Clean the vacuum lips, check for  
wear and replace them if required.

→ Clean brush.

→ Check the brush for wear and replace  
if required (see "Maintenance tasks").

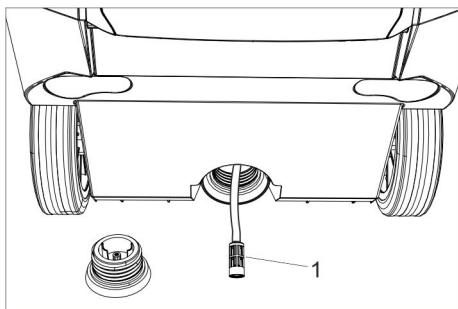
→ Charge battery if required.

## Weekly

→ Remove the water distribution bar  
on the cleaning head and clean the  
water channel.

→ Clean the fluff filter.





#### 1 Fresh water filter

- Unscrew the cover from the drain opening of the fresh water tank.
- Take out the fresh water filter and rinse with clean water.

### Monthly

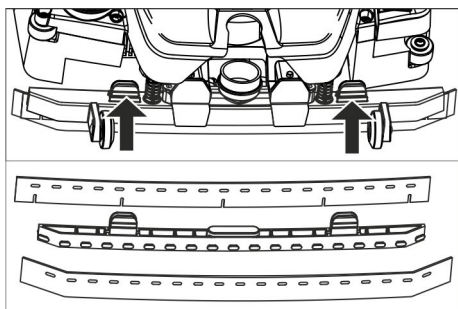
- Check the condition of the seals between waste water tank and cover, replace if required.

### Yearly

- Have the prescribed inspection carried out by the customer service.

## Maintenance Works

### Replacing the suction lips



- Compress the fastening devices and pull the vacuum lips out of the vacuum bar towards the bottom.
- Remove the vacuum lips from the holder.

### Note:

Thanks to the perforation pattern the vacuum lips cannot be mixed up. They cannot be turned and reinstalled.

- Replace vacuum lips.
- Insert the holder with the vacuum lips into the vacuum bar and snap into place.

### Replacing the brush roller

#### ⚠ WARNING

*Risk of crushing due to the park support folding in during brush replacement. Turn the steering wheel 45° to the left before commencing brush replacement.*

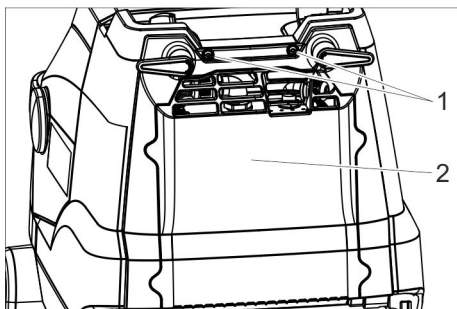
- Press the release button for the brush roller and swivel the brush roller toward the bottom and pull it off the driver.
- Place the new brush roller on the driver and lock into place on the opposite side.

## Disposal

### Removing the batteries

#### ⚠ DANGER

*The removal of the batteries may only be performed by a specialist. Classification as whether the batteries are damaged is done by an authorised Customer Service technician. The Chapter "Safety instructions" for handling accumulators must be observed unconditionally.*



- 1 Screw
- 2 Cover

- ➔ Unscrew 2 screws.
- ➔ Swivel the lid downwards.
- ➔ Loosen and remove the battery plug.
- ➔ Remove the left-hand battery.
- ➔ Remove the right-hand battery.
- ➔ Dispose of the used batteries according to the local provisions.

## Faults

### **⚠ DANGER**

*Risk of injury. Turn the appliance switch to "0" and pull the mains plug of the charger prior to performing any work on the appliance.*

### **ATTENTION**

*Risk of damage for the appliance due to leaking water. Drain the wastewater and remaining fresh water prior to performing tasks on the appliance.*

In case of faults that cannot be remedied using the table below please contact the customer service.

### Faults with display

Display	Fault	Remedy
The brush drive indicator lamp blinking orange	Control is overheated	Switch off the power switch, wait a few minutes, switch on the power switch again.
	Brush is blocked.	Check if foreign matters are blocking the brush roller; remove foreign matter if required.
The suction indicator lamp blinking orange	Control is overheated	Switch off the power switch, wait a few minutes, switch on the power switch again.
Batter status display blinking red	Fault during charging process.	Disconnect the power cord plug of the charger. Wait for 10 seconds. Plug in the power cord plug. If the error message appears again: Call customer service.
Eco mode indicator lamp blinking blue	Battery capacity nearly exhausted, appliance working at reduced power.	Charge battery.



## Faults without display

Fault	Remedy
Appliance cannot be started	Switch on the appliance switch, wait 3 seconds, check charge condition of the battery.
Insufficient water quantity	Check fresh water level, refill tank if necessary.
	Switch on "Detergent" button.
	Clean the fresh water filter.
	Remove the water distribution bar on the cleaning head and clean the water channel.
Insufficient vacuum performance	Lower the vacuum bar.
	Empty the waste water tank.
	Clean the seals between waste water tank and cover and check for tightness, replace if required.
	Clean the vacuum lips on the vacuum bar, turn or replace if required
	Check if the suction hose and vacuum bar are chocked, clean if required
	Check the suction hose for tightness; replace if required.
	EPA filter (optional) soiled, replace.
Insufficient cleaning result	Retract the transport chassis.
	Check/set the brush contact pressure.
	Check the brush type and the detergent for their suitability.
	Check the brushes for wear, replace if required.
Brush does not turn	Pull the safety switch towards the steering wheel.
	Check if foreign matters are blocking the brush roller; remove foreign matter if required. Switch off the switch for the brush drive, wait for a short period of time, switch the switch back on.

## Accessories

The appliance can be equipped with various accessories depending on the cleaning task. Please request our catalogue or visit us on the Internet at [www.kaercher.com](http://www.kaercher.com).

Description	Part no.:	Description
Brush roller, white (soft)	4.762-405.0	For polishing floors.
Brush roller, red (medium, standard)	4.762-392.0	For cleaning slightly dirtied or sensitive floors.
Brush roller, green (hard)	4.762-407.0	For cleaning heavily dirtied floors.
Brush roller, orange (high/ low)	4.762-406.0	For scrubbing structured floors (safety tiles, etc.).
Microfibre roller	4.037-093.0	Cleaning brush made of microfibres with especially high cleaning performance, especially for fine stone tiles.
Pad roller shaft	4.762-413.0	For intake of roller pads.
Roller pad, red (medium)	6.367-107.0	For cleaning slightly dirtied floors.
Roller pad, green (hard)	6.367-106.0	For cleaning normal to heavily dirtied floors.
Roller pad, yellow (soft)	6.367-105.0	For polishing floors.
Fill hose	6.680-124.0	For filling the fresh water tank
Suction lip kit	4.037-094.0	As replacement
EPA filter	6.414-631.0	

## Technical specifications

### Power

Nominal voltage	V	25.9
Battery capacity	Ah (5h)	44
Battery type	--	Li-ion
Mean power consumption Power/Eco	W	650/350
Type of protection	--	IPX3
Protective class	--	1
Suction engine output	W	280
Brush engine output	W	185
Operating temperature range	°C (°F)	2...40 (36...104)
Max. water temperature	°C (°F)	50 (122)

### Vacuuuming

Suction performance, air quantity Power/Eco	l/s (cfm)	20/15 (42/30)
Suction performance, vacuum Power/Eco	kPa (psi)	8/5 (1.2/0.7)

### Cleaning brushes

Working width	mm (in)	450 (17.7)
Brush diameter	mm (in)	96 (3.8)
Brush speed Power/Eco	1/min	1050/750

### Charger

Voltage	V/Hz	100...120/50-60
Current pickup, max.	A	4

### Dimensions and weights

Theoretical surface cleaning performance	m <sup>2</sup> /h (ft <sup>2</sup> /h)	1800 (19400)
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Fresh/waste water tank volume	l (gal)	22 (5.8)
Permissible overall weight	kg (lbs)	70 (154)
Transport weight	kg (lbs)	48 (106)
Length x width x height	mm (in)	970 x 530 x 1115 (38.2 x 20.9 x 43.9)
Length x width x height Transport	mm (in)	780 x 530 x 815 (30.7 x 20.9 x 32.1)

### Values determined as per EN 60335-2-72

Total oscillation value	m/s <sup>2</sup>	<2.5
Uncertainty K	m/s <sup>2</sup>	0.2
Sound pressure level L <sub>pA</sub>	dB(A)	66.5
Uncertainty K <sub>pA</sub>	dB(A)	2
Sound power level L <sub>WA</sub> + Uncertainty K <sub>WA</sub>	dB(A)	87

## Warranty

The warranty terms published by our competent sales company are applicable in each country. We will repair potential failures of your accessory within the warranty period free of charge, provided that such failure is caused by faulty material or defects in fabrication. In the event of a warranty claim please contact your dealer or the nearest authorized Customer Service center. Please submit the proof of purchase.

## Spare parts

Only use original accessories and spare parts, they ensure the safe and trouble-free operation of the device. For information about accessories and spare parts, please visit [www.kaercher.com](http://www.kaercher.com).



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