



ATTENTION!

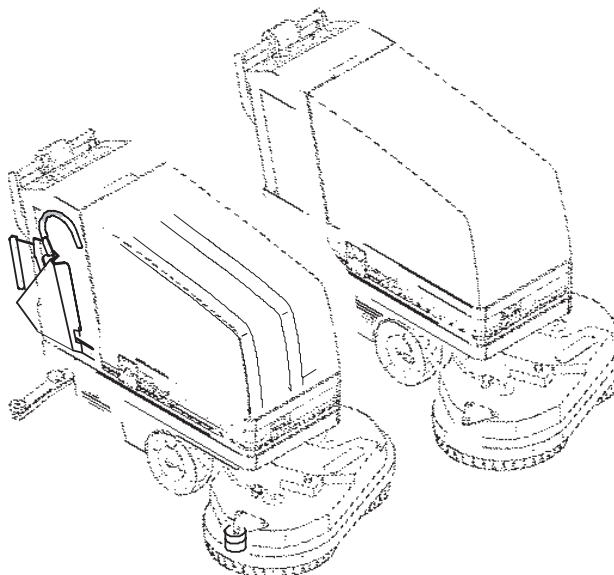
Do not use the machine, before you have read and understood the instructions of use.

Keep the instructions of use carefully in an easily accessible place so that they can be referred to at any time.



combimat 1400, 1500, 1600, 1700, 1800

Instructions of use



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Symbols



Marks all instructions which are relevant for safety.



Gives helpful information.



Action points.

Intended use of machinery

The scrubber dryer is used to clean hard floor surfaces according to these instructions of use.

The machine is suitable for floor cleaning applications in industrial and commercial areas such as hotels, schools, hospitals, factories, shopping centres, offices etc.

Safety instructions

Due to their design and construction, TASKI machines comply with health and safety requirements of the EC guidelines and therefore carry the CE sign.

Generally adhere to the accident prevention regulations!

By non-observance the manufacturer will not be held liable.

This machine may only be used by persons who have been properly trained to do so.

In order to avoid unauthorised use of the machine, the main switch key must always be removed and/or the machine must always be stored in an appropriate room.

Regularly check the electrical cabling for damage or ageing.



Caution:

Do not operate the machine if it is not in a faultless condition, and ensure its maintenance by expert personnel!

Repairs to electrical components may only be carried out by authorised TASKI customer service workshops or experts who are experienced in all aspects of the relevant security and safety regulations.

While operating the machine, take note of the surrounding area and pay particular attention to third parties and children.

Only use tools (brushes, pad drives) which are stipulated of the instructions of use. Use only tools the TASKI-technical specialist recommend (Page 38).

The use of other tools may impair the machine's safety and or cause damage to machine.



Only use the machine on level floors or inclines of maximum 2%.

This symbol on the machine indicates that it is not suitable for use on surfaces with greater inclines.

Turn off the machine before:

- cleaning it
- converting to another function (e.g. changing tool)
- carrying out maintenance
- replacing wear and tear parts
- leaving machine unattended

To do so, pull out the main key and stop the machine from rolling away (e.g. by fixing a wedge).

Do not use the machine in rooms where explosive and flammable substances (e.g. petrol, paint thinners, heating oil, solvents, etc.) are stored or processed.

The machine`s electrical parts or mechanical components could lead to the ignition of these substances.

Do not use this machine to vacuum toxic, poisonous, caustic or irritating substances (e.g. acids, alkalis, hazardous dusts, etc.).

The filter system cannot retain such substances sufficiently. This might negatively affect the health of the user and third parties.

This machine is not suitable for outside use.

Should foam or liquid leak from the machine, follow the instructions below:

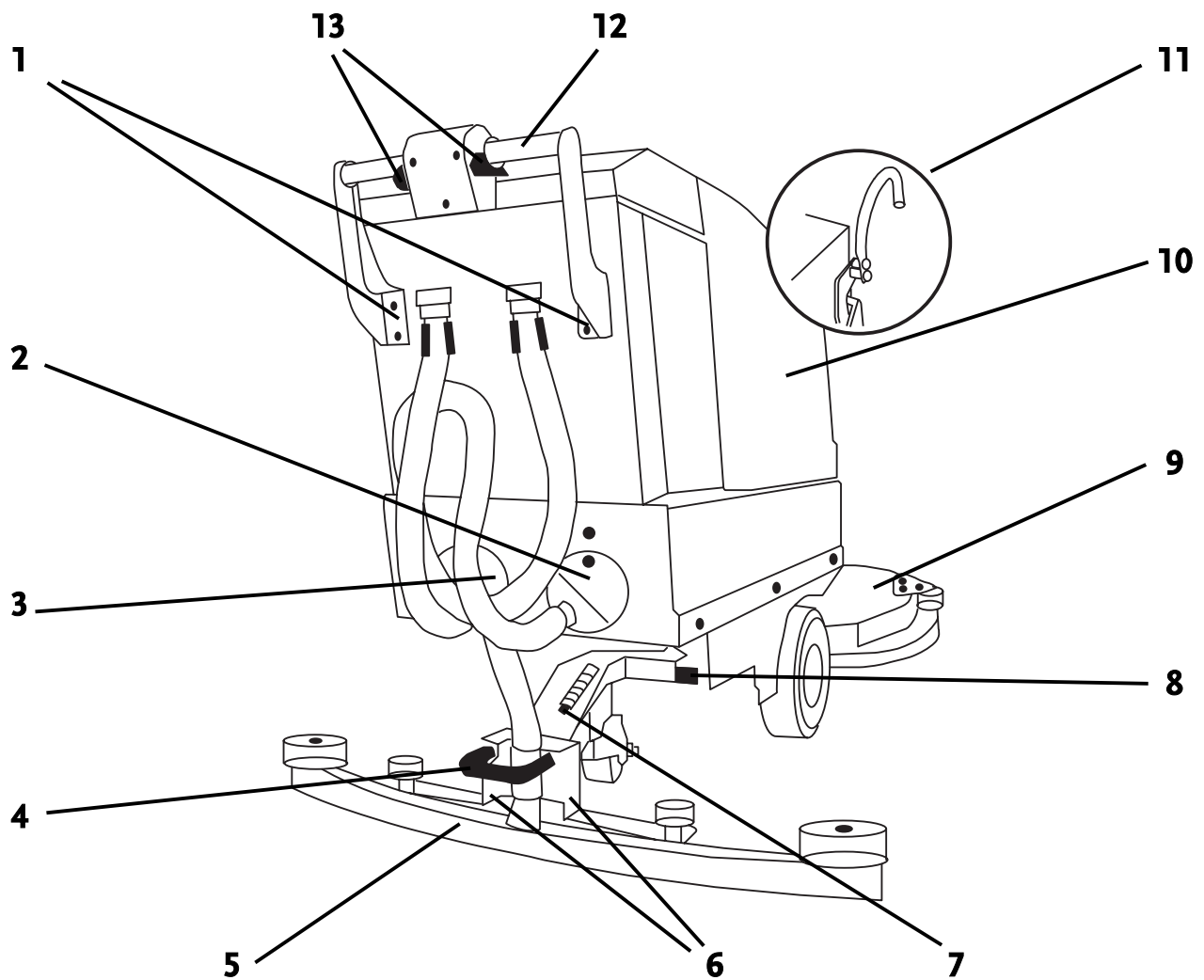
Check that the level probe is functioning correctly (page 33).

Remove the cause of the malfunction before continuing operation.

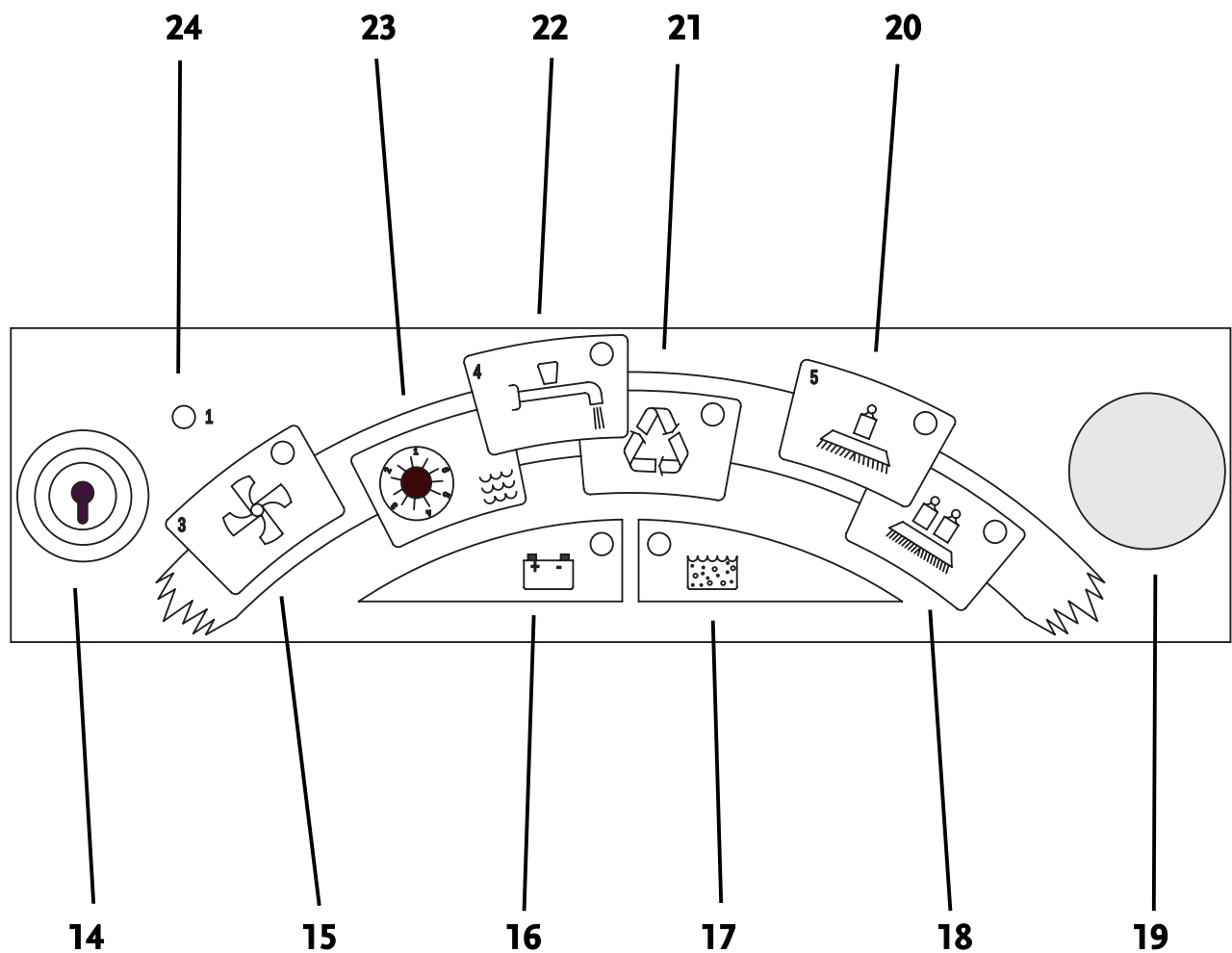
Close the machine hood and the tank cover/dosing cup, before you move the machine.

Store the machine in a dry, dust-free room with a corrosion-free atmosphere. The temperature should not fall below +10 °C, and not exceed +35 °C. Low temperatures, moisture and dust can greatly reduce the life on the rechargeable batteries and the electronics.

Overview



- | | |
|---|---|
| 1 Height adjustment for handle height | 8 Lever for reversing the air flow (only co 15/1700) |
| 2 Recovery tank maintenance opening (red mark) | 9 Brush unit |
| 3 Cleaning solution tank opening maintenance | 10 Machine hood |
| 4 Squeegee lowering device | 11 Lever brush unit (only co 14/16/1800) |
| 5 Squeegee | 12 Machine handle |
| 6 Squeegee adjustment | 13 Speed control |
| 7 Squeegee pressure adjustment | |



14 Main switch (key)

15 Vacuum on/off

16 Battery indicator (discharge)

17 Recovery tank full indicator

18 Brush pressure level 2 button
(only co 15/1700)

19 Emergency stop button (option: co
1400/1600/1800)

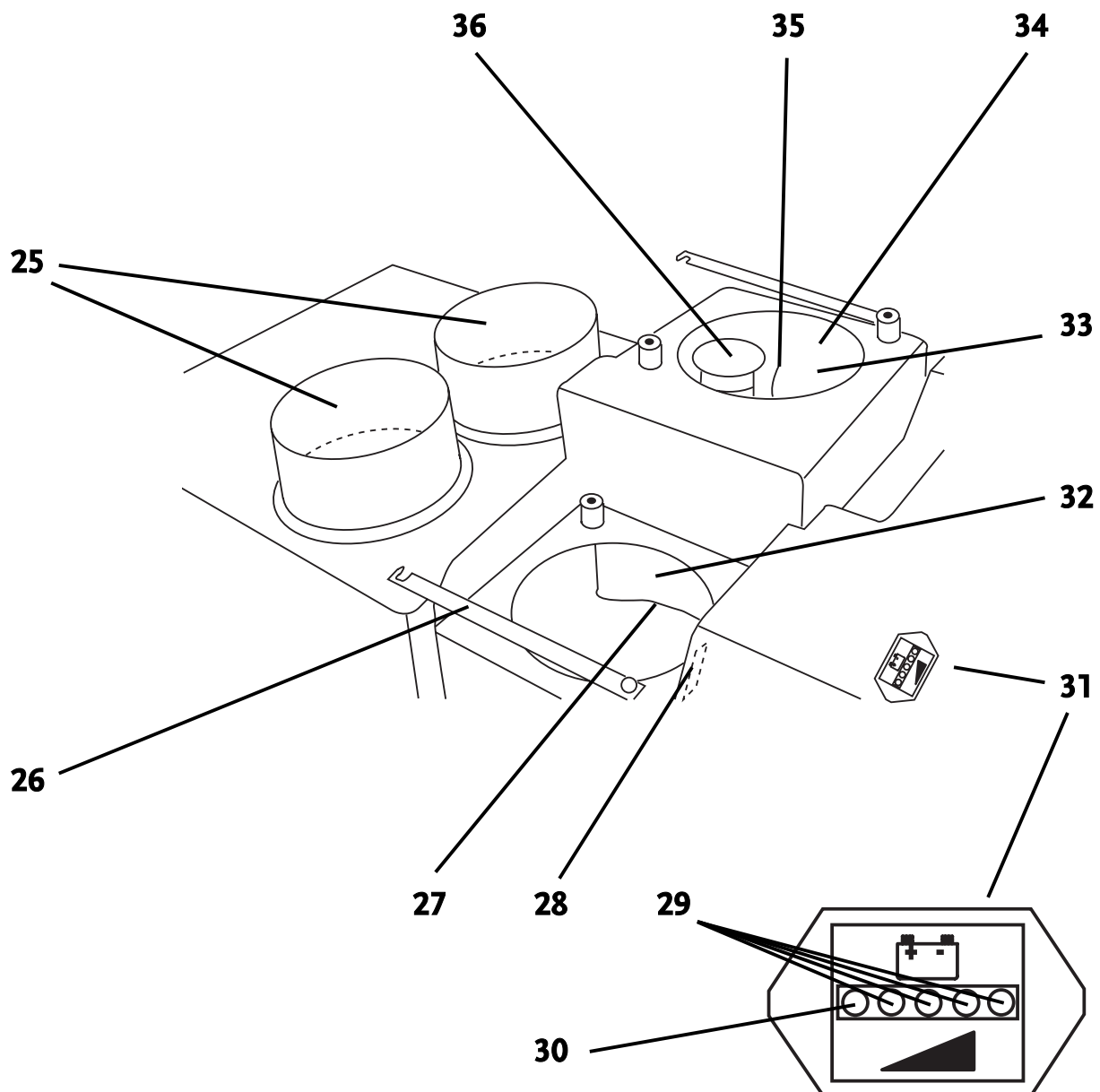
20 Brush pressure level 1 button
(only co 1500/1700)

21 Recycling programm button (option:
co 14/16/1800)

22 Solution dosing control

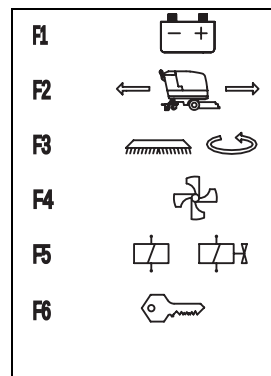
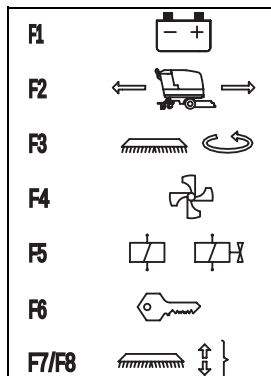
23 Cleaning solution dosing control

24 Indicator main switch



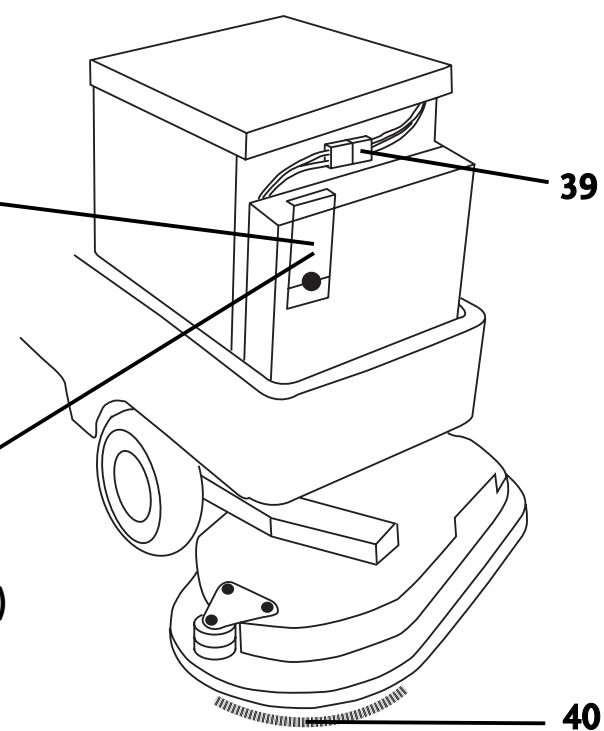
- 25** Tank cover/dosing cup 0,5-1%
- 26** Tank cover closing
- 27** Max. filling level
- 28** Hours counter
- 29** Charge state display ready (green)
- 30** Charge state display unloaded (red)

- 31** Option: Battery vacantness display
- 32** Solution tank
- 33** Recovery tank
- 34** Recycling filter (2 piece) inside tank
- 35** Level probe (full recovery tank)
- 36** Suction air filter



37 (co 1500/1700)

38 (co 1400/1600/1800)



37 Fuses co 1500/1700

38 Fuses co 1400/1600/1800

39 Battery plug / socket

40 Tools (brush, pad drive, etc.)

Machine installation

The machine is delivered ready for use. The set of batteries installed and connected by your TASKI service partner is, however, not fully charged.



Before using the machine for the first time, charge it for at least 24 hours, in order to ensure that you can use the batteries full capacity.

Charging batteries see page 30.

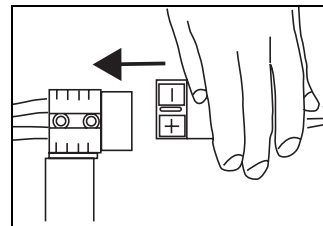
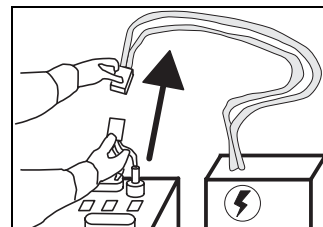
- Switch off charger.



Caution:

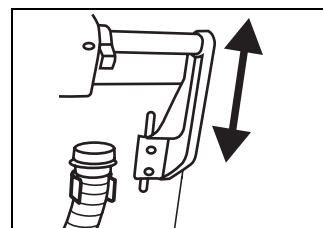
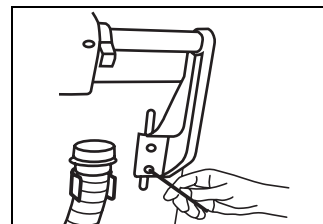
Please read the instruction of use of the battery charger carefully!

- Disconnect the charger plug.
- Return tank in position for charging.

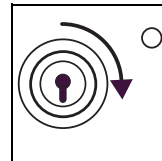


Get ready to drive

- Unscrew the hexagon socket in order to adjust the leading grip.
- Put the machine handle in a comfortable position.
- Screw the hexagon socket again.



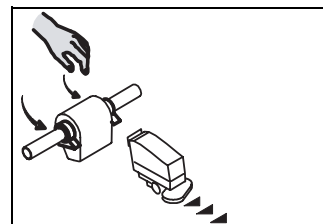
- ▶ Turn the machine on (main switch).
The indicators light up.



Transport

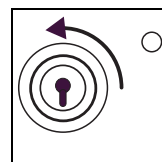
The control of drive and the speed can be controlled on the machine handle and the speed control. The speed is stepless variable.

By lightly pressing the speed control in the direction of drive, the machine is set in motion. Letting the speed control go stops the machine.



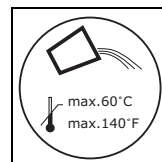
Fill the tank

- ▶ Turn off the machine (main switch).



- ▶ Open the machine hood.

This symbol indicates the solution tank.



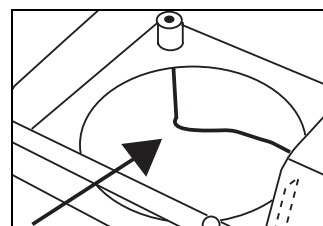
- ▶ Remove the tank cover closing.
- ▶ Open the tank cover/dosing cup.



Caution:

Maximum permissible water temperature 60 °C/140 F.

- ▶ Fill water into the solution tank.
The check mark indicates the max. fill level (page 7).



Caution:

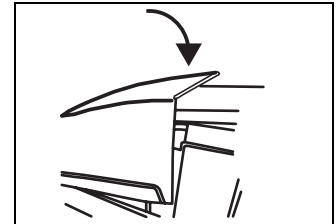
The solution should contain no solvents, chlorine, hydrochloric acid or hydrofluoric acid, since these would damage or destroy the machine.

- ▶ Pour the measured product with the tank cover/dosing cup in the solution tank.
- ▶ Close the tank with the tank cover and lock it.

Only use the recommended chemicals of page 39.

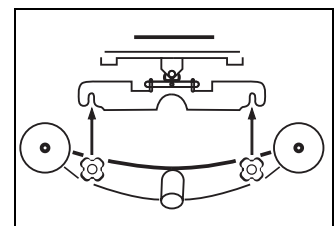
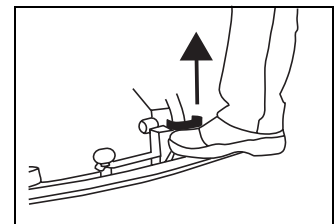
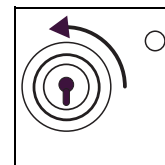
The correct dosage is recommended on the product's packaging and on the "TASKI Product Information Sheet".

- ▶ Close the machine hood.



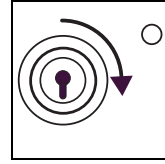
Attach squeegee

- ▶ Turn off the machine (main switch).
- ▶ Lift the squeegee lever with the foot.
- ▶ Loosen the fixation knobs on the squeegee.
- ▶ Assemble the squeegee and tighten the fixation knobs.
The washers must be positioned above the suction nozzle support.
- ▶ Attach the suction hose (squeegee) to the connector.



Fixing tools

- ▶ Turn the machine on (main switch).
The indicators light up.



Caution:

Danger of injury due to sharp objects

Wear gloves to protect your hands from injuries!

Option brush button (co 1500/1700):

- ▶ To lift the brush unit press the button:

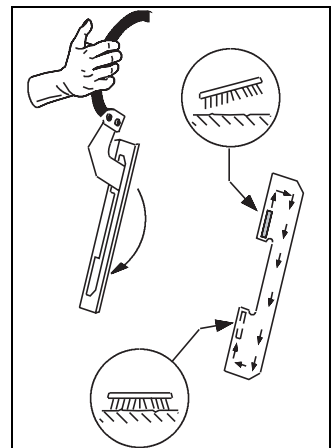


- ▶ or:

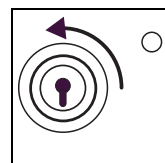


Option lever brush unit (co 1400/1600/1800):

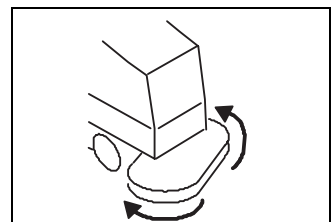
- ▶ To lift the brush unit, press the brush lever down, turn it to the right and push it up until the end of the guide, then turn it left to snap in.



- ▶ Turn off the machine (main switch).



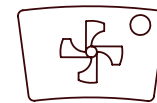
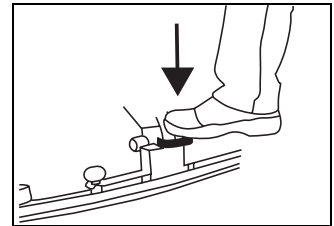
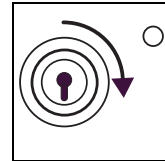
- ▶ Position the tool below the brush unit.
- ▶ Turn the left tool clockwise and the right tool counter clockwise into the lock.
This locks the tool into place.



Beginning work

Begin cleaning operation

- ▶ Turn the machine on (main switch).
The indicators light up.
- ▶ Press down the squeegee lowering device.
- ▶ Press the vacuum button.
The indicators light up.
- ▶ Press the solution button.
The indicators light up.
- ▶ Choose the amount of solution (min./max. 1-6).



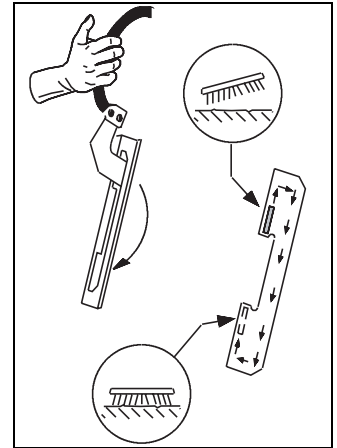
Option brush button (co 1500/1700):

- ▶ To lower the brush unit press the button:
The indicators light up.
- ▶ or:
The indicators light up.



Option lever brush unit (co 1400/1600/1800):

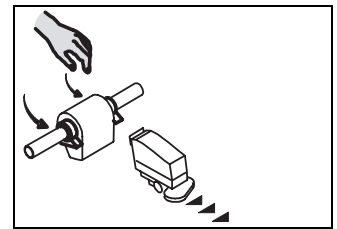
- Unlock the brush unit lever by treading on the lowering lever and slowly lower the unit.



- By gently pressing the speed control in driving direction, the machine is set in to motion.

The tools start to turn and the solution is fed through the middle of the tool.

If the battery control is blinking, stop cleaning and drive back to the battery charger.



Recycling mode (Option co 1400/1600/1800)



Caution:

The recycling system is not to use in areas with high hygienic demand e.g. Hospitals, Food-processing companies, Kitchens, etc.

The recycling system is recommended for low till middle congested areas only.

- Press the Recycling button Recycling only, when no solution is available anymore.

Indicators light up.

- Continue the cleaning operation.



Cleaning method

Direct method:

Scrubbing and Vacuuming in one pass.

Indirect working method:

Scrubbing and vacuuming in several passes.

Cleaning methods are described in detail in the "Method Card". You can obtain "Method Cards" from your TASKI partner or representative.

Refilling the solution tank

When the tools are no longer sufficiently fed by the solution, the tank containing the solution is empty.



Caution:

Do not clean without solution, as it could cause floor damage.

- ▶ Stop cleaning.
- ▶ Empty or refill the machine again (page 10/19).

End of operation

After cleaning

- ▶ Stop the flow of solution.



- ▶ Drive a further few metres to avoid subsequent „dripping”.

Very important when using contact pads!

Option brush button (co 1500/1700):

- ▶ To lift the brush unit press the button:

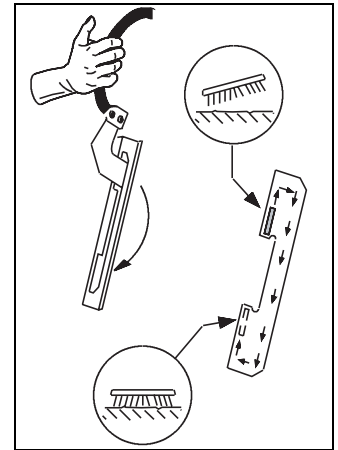


- ▶ or:

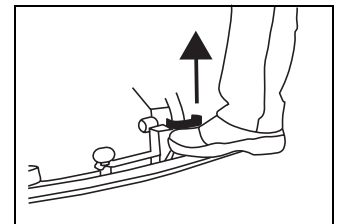


Option lever brush unit (co 1400/1600/1800):

- ▶ To lift the brush unit, press the brush lever down, turn it to the right and push it up until the end of the guide, then turn it left to snap in.



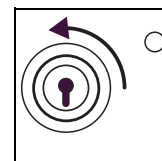
- ▶ Drive on a few metres further in order to pick up the remaining waste water.
- ▶ Lift the squeegee lever with the foot.



- ▶ Only now switch off the vacuum unit.



- ▶ Turn off the machine (main switch).



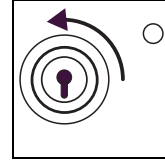
Empty and clean the recovery tank after every time you use the machine.
If soiled solution remains in the tank for long periods „an unpleasant smell“ develops.

Finishing work

Emptying soiled recovery tank

Recovered soiled solution must be disposed of according to national regulations.

- ▶ Turn off the machine (main switch).



- ▶ Take hose (red cap) off its fittings.
- ▶ Unscrew red cap.



Open the cap at the height of the handle and lower the hose end slowly to pour out the soiled solution.

- ▶ Conduct the emptying hose to a drain sink or a bucket.

Option co 1500/1700:

Emptying on a higher altitude or speed up the emptying process:

- ▶ Empty the recovery tank as described above.

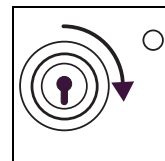


Caution:

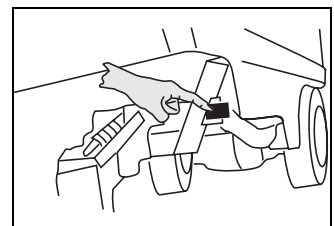
Make sure, the tank cover has been secured!

- ▶ Turn the machine on (main switch).

The indicators light up.



- ▶ Push the lever forward out flow of soiled water (page 5).



Caution:

Please follow the decal information!

Top air switch lever.

- ▶ Switch on the vacuum motor only now.
The indicators light up.
The soiled water is now pressed out of the recovery tank.
- ▶ Switch off the vacuum unit as soon the tank is empty.

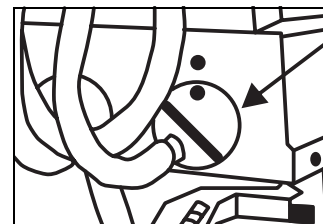
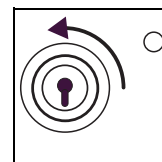


Caution:

Now pull back the lever into the work position (page 5).

Cleaning the recovery tank

- ▶ Turn off the machine (main switch).
- ▶ Empty the recovery tank (Page 17).
- ▶ Open the machine hood.
- ▶ Remove the tank cover closing.
- ▶ Take off the tank cover/dosing cup.
- ▶ Remove the of the maintenance opening lid (page 5).



- ▶ Clean the recovery tank thoroughly.

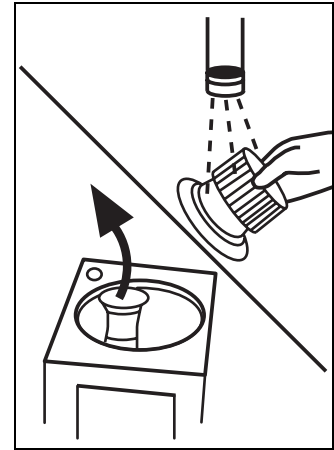


Caution:

Danger of injury due to sharp objects

Wear gloves to protect your hands from injuries!

- ▶ Take off the air suction filter and clean it if necessary (page 7).

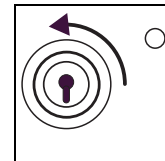


- ▶ After the tank is emptied and rinsed, close the tank.
- ▶ Once the tank is empty, put back the red cap and refix the hose to its fittings.

Emptying solution

Disposal of solution must be in accordance with the national regulations.

- ▶ Turn off the machine (main switch).



- ▶ Remove the tank cover closing.
- ▶ Take off the tank cover/dosing cup.
- ▶ Take off the hose (blue cap) from its fittings.
- ▶ Unscrew the blue cap.



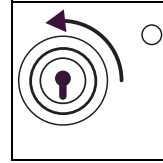
Open the cap at the height of the handle and lower the hose end slowly to pour out the soiled solution.

- ▶ Conduct the emptying hose to a drain sink or a bucket.

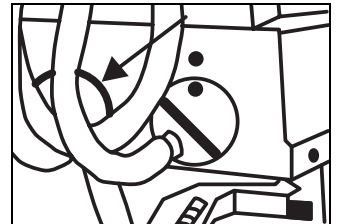
Clean the cleaning solution filter

Disposal of solution must be in accordance with the national regulations.

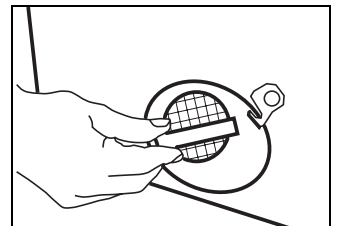
- ▶ Turn off the machine (main switch).



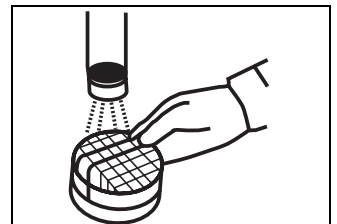
- ▶ Empty the solution tank (Page 19).
- ▶ Remove the of the maintenance opening lid (page 5).



- ▶ Open the tank cover/dosing cup.
- ▶ Take off the solution filter after each cleaning operation.



- ▶ Rinse the filter under running water.
If needed, descale the filter with a 10% lime scale soluble.



- ▶ Rinse the solution tank with plenty of fresh water.
- ▶ Refit the solution filter.
- ▶ Close the maintenance opening.

Cleaning recycling filter co 1500/1700 (option: co 1400/1600/1800)

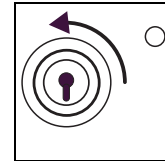


Caution:

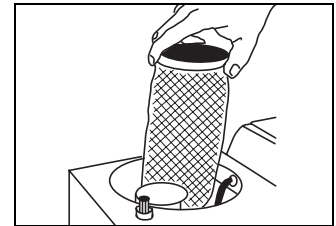
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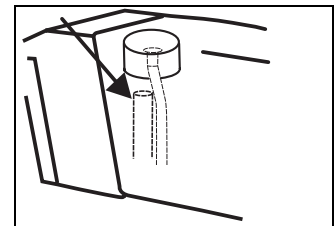
- ▶ Turn off the machine (main switch).



- ▶ Empty the recovery tank (Page 17).
- ▶ Remove the tank cover closing.
- ▶ Take off the tank cover/dosing cup.
- ▶ Remove the recycling filter of the recovery tank.



- ▶ Rinse the recycling standpipe of the filter thoroughly.

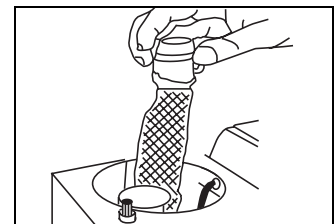


Caution:

Danger of injury due to sharp objects

Wear gloves to protect your hands from injuries!

- ▶ Remove the security filter of the recycling standpipe and clean it.



- ▶ Reassemble both filters to the recycling tube.



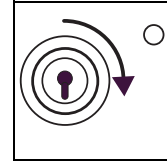
Caution:

Clogged filters reduce the flow of the cleaning solution. As a consequence you may damage the floor coating.

Cleaning the tools

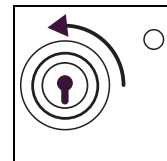
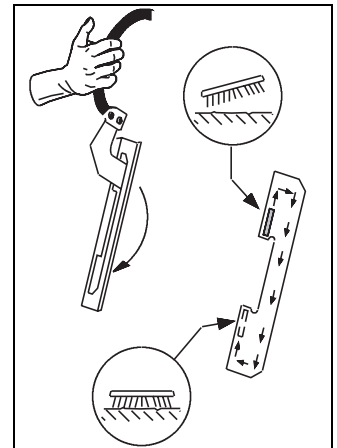
Option brush button (co 1500/1700):

- ▶ Turn the machine on (main switch).
The indicators light up.
- ▶ To lift the brush unit press the button:
- ▶ or:



Option lever brush unit (co 1400/1600/1800):

- ▶ To lift the brush unit, press the brush lever down, turn it to the right and push it up until the end of the guide, then turn it left to snap in.
- ▶ Turn off the machine (main switch).

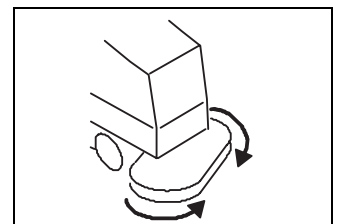


Caution:

Danger of injury due to sharp objects

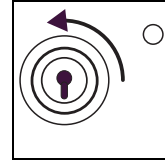
Wear gloves to protect your hands from injuries!

- ▶ Lift the tool lightly.
- ▶ Turn the left tool counter clockwise and the right tool clockwise out the lock.
- ▶ Clean the tools under running water.

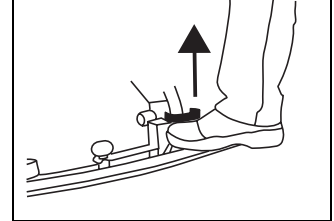


Removing and cleaning the squeegee

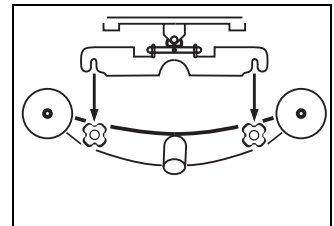
- ▶ Turn off the machine (main switch).



- ▶ Lift the squeegee lever with the foot.



- ▶ Remove the suction hose.
- ▶ Loosen the fixation knobs on the squeegee.
- ▶ Disassemble the squeegee.



- ▶ Clean the squeegee under running water with a brush.



Caution:

Danger of injury due to sharp objects

Wear gloves to protect your hands from injuries!

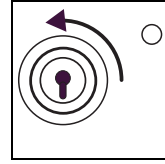
- ▶ Assemble the squeegee and tighten the fixation knobs.



Clean blades produce streak-free results!

Cleaning the machine

- ▶ Turn off the machine (main switch).



- ▶ Wipe down the machine with a moist cloth.



Caution:

Never clean the machine with a high water pressure or a water hose.

The ingress of water into the machine might cause considerable damage to mechanical or electrical parts.

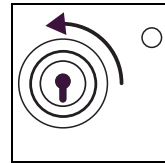
Charging batteries

Charging process page 30.

Store the machine

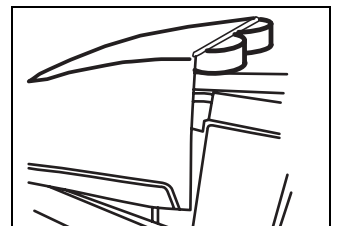
Never store the machines with closed tanks.

- ▶ Turn off the machine (main switch).



- ▶ Open the machine hood.
- ▶ Put the tank covers above the tanks.
- ▶ Close the hood until it lies on the tank covers.

The tank cover/dosing cup holds the hood slightly open.



In this way the tank can dry out. Unpleasant smells and the occurrence of mould will be reduced.

Service, maintenance and care

Service intervals

TASKI machines are build to the highest quality standards . This is supported by internationally regonized quality control procedures. Electrical and mechanical parts are subject to wear or aging if used for long periods of time.

- To maintain functional safety and operational readiness, a service must be carried out after 500 working hours or at least once a year.

Under rough or special conditions and / or insufficient maintenance, shorter clearences are needed.

Only original TASKI spare parts must be used. Otherwise safety operational readiness may be impaired.

Service centre

Should you contact us due to a malfunction or for placing an order, please always state the type, description and the serial number of your machine.

This information can be found of the rating plate on your machine.

On the last page of these instructions of use, you can find the address of your nearest TASKI partner.

Maintenance



Caution:

During repairs or during replacement of parts, the machine must be disconnected from the batteries and the power supply!

Repairs to mechanical or electrical parts of the machine must only be undertaken by JohnsonDiversey authorised customer service workshops or experts who are experienced in all relevant safety regulations.



Caution:

Only original spare parts must be used, otherwise Warranties and liabilities will be omitted!

The machine's maintenance is a pre-condition for trouble-free running and a long life.

Symbols:

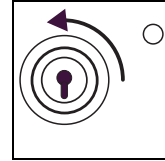
◇ = After use, ◇◇ = Every week, ◇◇◇ = Every month, ⊗ = Service intervals

Activity	◇	◇◇	◇◇◇	⊗	page
Recharge batteries	●				30
Refill distilled water (wet batteries) Please adhere the monitoring booklet!		●			32
Drain and clean the recovery tank	●				17
Clean suction air filter	●				18
Cleaning recycling machine	●				21
Check the solution filter and clean or descale it if necessary		●			20
Empty solution tank and rinse with fresh water		●			19
Cleaning tools (brush, pad drive, etc.)	●				22
Clean squeegee, check whether the blades are worn and replace if necessary	●				23
Wipe down the machine with a moist cloth	●				24
Clean the tank covers, check the seal for cracks and replace it, if necessary		●			
Check that the brush unit tool fittings sit correctly and check for wear. Replace if necessary			●		
Maintenance programs by TASKI service made by TASKI technician				●	

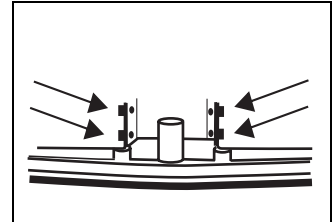
Squeegee adjustment

If the squeegee dries unevenly on a level floor the squeegee must be adjusted.

- ▶ Turn off the machine (main switch).



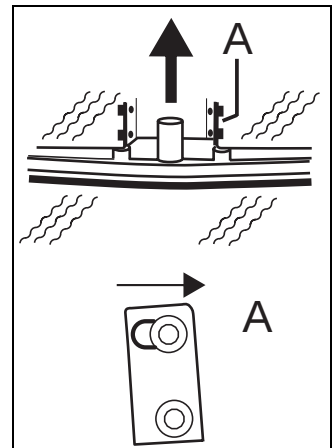
- ▶ Loosen the hexagon bolt (6 mm spanner) of the squeegee adjustment.



- ▶ Adjust the squeegee according to the drawing on the right side.

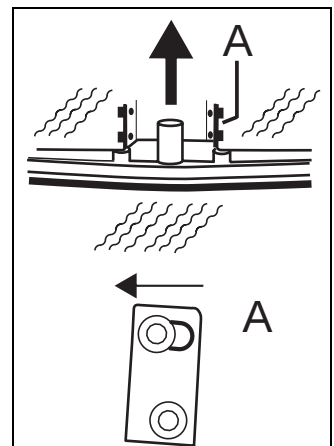
Insufficient suction result on the outer end of the squeegee:

- ▶ Adjust according to the drawing on the right side:



Insufficient suction result on the middle part of the squeegee:

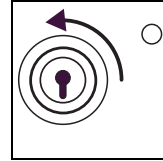
- ▶ Adjust according to the drawing on the right side:



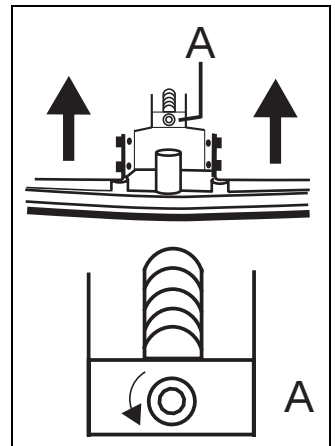
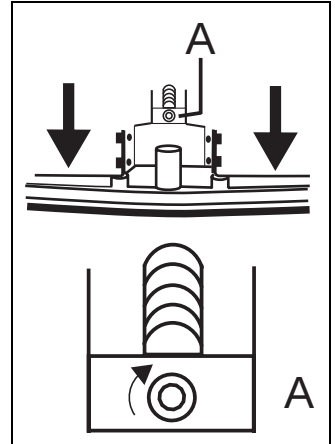
Squeegee pressure adjustment

If by modifying the above mentioned screws, no success is achieved, please see the following description.

- ▶ Turn off the machine (main switch).
- ▶ Adjust according to the drawing on the right side:

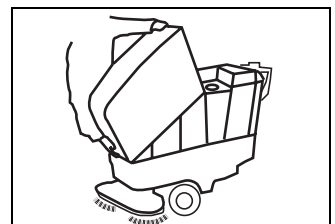
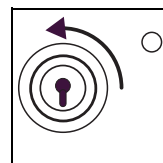


- ▶ Adjust according to the drawing on the right side:

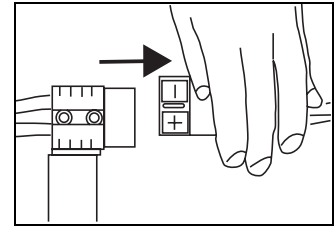


Replace fuses

- ▶ Turn off the machine (main switch).
- ▶ Open the machine hood (ca.45°), then take off the hood.



- ▶ Disconnect battery plug with external battery charger.



Caution:

Use fuses with the correct value only!

False fuses can cause damages on the machine.

Replace fuses F1 to F4:

- ▶ Loosen the knurled nut and remove cover.
- ▶ Replace fuses F1 to F4, loosen the nuts with a key and remove the defective fuse.
- ▶ Lay the fuse between the U-disc and securely screw-in the fuse.
- ▶ Then replace the cover on the holder.

F1 - F4

Fuse ratings:

co 1400/1500/1600/1700/1800

F1=	80A Main fuse
F2=	30A Drive motor
F3=	30A Brush motor
F4=	30A Vacuum motor

Replace fuses F5 to F7:

- ▶ Pull the cover from the holder.
- ▶ Replace fuses F5 to F7, pull the defective fuse from the holder.
- ▶ Insert the new fuse in the holder and check for proper and secure positioning.
- ▶ Then replace the cover on the holder.

F5 - F7

Fuse ratings:

co 1400/1500/1600/1700/1800

F5=	5A Valve and relays KM2 + KM3
F6=	5A Elektronik + KM1
F7=	25A Brush lift (only co 1500/1700)

Safety automation of Brush lift F8:

- ▶ Press this button to reset the breakdown on the brush lowering.

F8

Fuse ratings:

co 1400/1500/1600/1700/1800

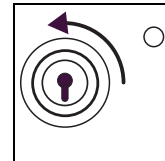
F8=

Safety automation Brush lowering
(only co 1500/1700)

Recharge batteries

Regularly check the electrical cabling for damage or ageing.

- ▶ Check whether the machine is turned off by turning of ignition key.



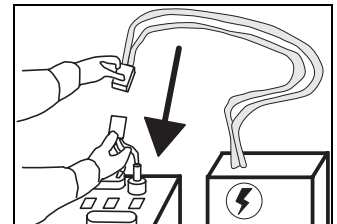
- ▶ Open the machine hood.



Caution:

Battery compartment must be open during charging.

- ▶ Open the battery cover.
- ▶ Disconnect battery plug with external battery charger.
- ▶ Connect battery plug with the external battery charger.

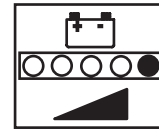


Please follow the instructions of the battery manufacturer.

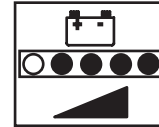
Charge state display (optional)

The charge state display shows the current battery charge state.

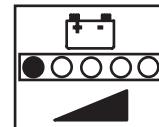
When the charging process is complete, the green indicator lights up.



The charge state displays show you the operating readiness of the machine.



If the red LED is highlighted, the batteries must be recharged.



If the red LED flashes, the machine can be used for another minutes only.



Safety measures when working with batteries

Never come near the batterie, with open flames or glowing objects since this could cause an explosion due to the oxyhydrogen gas within the batteries!

The battery surface must always be clean and dry. Do not place any metal objects on the batteries.

Attention sulphuric acid! Caustic. Do not ingest. Avoid skin and eye contact. Always wear eye protection when working with batteries.

After end of charching:

- ▶ Switch off charger.
- ▶ Disconnect the charger plug.

Maintenance of batteries (only wet batteries)

Please follow the instructions of the battery manufacturer.

Daily, after charging:

- ▶ Measure the acidity in 3 or 4 cells.

It should be approx. 30° Bé.

The batteries are discharged when the acidity is reduced to approx. 18° Bé.

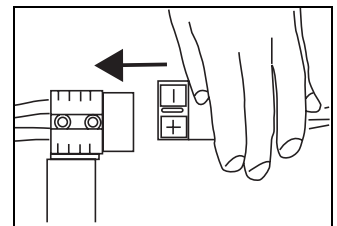
- ▶ Please enlist the measurements into the booklet.
- ▶ Please check the electrolyte, and if needed, fill it with distilled or desalinated water up to 10mm above the separators.

Monthly, after charging:

- ▶ Measure the acidity in every cell.
- ▶ Please enlist the measurements into the booklet.
- ▶ Check:
 - Connectors, cable, cable connections and the poles are screwed-in tightly.

Preparation for use after charging:

- ▶ Return tank in position for charging.



Closing battery compartment:

- ▶ Close the battery cover.
- ▶ Close the machine hood.

Malfunctions

Malfunction	Possible causes	Troubleshooting	page
Machine does not run	Main switch switched off	► or main switch (key)	6
	Activated emergency stop button (option: co1400/1600/1800)	► Release the emergency stop button by turning it in direction the arrows show. Afterwards turn the main switch on and off	6
	Battery – machine is disconnected	► Connect the battery plug with the machine	8
	Batteries discharged	► Charging batteries	30
	Fuses F1 or F2 defective	► Replace fuses	28
	Main switch on: The battery control lamp starts to flash (After 10 min. the machine switches off automatically!)	► Recharge the battery	30
Machine does not move	Immobiliser is activated	► Bring speed control to neutral position	5
Batteries not or not sufficiently charged	Charger or connecting cable defective	► Call for technical service <i>On the last page of these instructions of use</i>	
	Mains supply was switched off overnight	► Ensure power supply at night	
	Batteries defective	► Call for technical service <i>On the last page of these instructions of use</i>	
	Wrong charger type for batteries	► Clarify and, if necessary, replace	
Brush does not turn	Fuses F3 defective	► Replace fuses	28
	Motor runs but not tool	► Drive belt torn ► Call for technical service <i>On the last page of these instructions of use</i>	
Poor vacuum performance Floor remains wet Soiled solution not picked up	Hose or nozzle blocked (e.g. by pieces of wood, fabric)	► Remove the blockage	

Malfunction	Possible causes	Troubleshooting	page
Poor vacuum performance Floor remains wet Soiled solution not picked up	Squeegee not on the floor	▶ Clean the squeegee ▶ Check that the squeegee up/down mechanism is functioning correctly	
	Worn blades	▶ Replace blades	
	Suction air filter clogged	▶ Knock the suction air filter (e.g. into a bucket) and rinse it under running water	18
	Suction hose not connected	▶ Suction hose connect	11
	Vacuum motor not activated	▶ Vacuum motor switch on	6
	Indicator is lightning but vacuum motor does not work	▶ Check fuse F4 vacuum motor and replace if necessary ▶ If the fuse is not defective, call for technical service <i>On the last page of these instructions of use</i>	28
	Tank cover/dosing cup does not seal properly	▶ Check seal and positioning	
	Recovery tank draining hose cap not tight or missing	▶ Tighten hose cap or replace	
	Squeegee pressure incorrect	▶ Readjust	27
	Squeegee pressure adjustment incorrect	▶ Readjust or adjust	28
Vacuum switched off	Lever for reversing the air flow in wrong position	▶ Put the lever for reversing the air flow in the right position	17
	Recovery tank full	▶ Empty recovery tank ▶ Check the fuses ▶ Check the battery indicator	
	Probe soiled	▶ Check or cleaning the level probe (page 7)	

Malfunction	Possible causes	Troubleshooting	page
Insufficient outflow of cleaning solution.	Cleaning solution tank empty	► Check the cleaning solution tank and fill if necessary	
	Cleaning solution filter blocked	► Clean the cleaning solution filter	20
	Deficiency in quantity chosen	► Choose the volume of solution with the control knob (min./max. 1-6)	6
	Solution dosing control switched off	► Solution dosing control switched on	6
	Cleaning solution-conveying pipe is clogged	► Remove the blockage	

Technical data

Typ	1400	1500	1600	
Theoretical performance area operation width x drive speed (4) x 1000	2750	2750	3500	m ² /h
Working width	550	550	700	mm
Squeegee width	850	850	990	mm
Cleaning solution tank / recovery tank	85	85	85	l
Machine speed forward / backwards	5/3	5/3	5/3	km/h
Machine weight / for operation (max.)	151/396	151/396	155/430	kg
Rated voltage	24V	24V	24V	dc
Tools	2 x 280	2 x 280	2 x 350	mm
Brush rpm	197	195	152	min-1
Brush pressure	34	31/43	42	kg
Dimensions (L x W x H)	141 x 59	141 x 59	156 x 77	x 100 mm
Rated power	1300	1300	1500	W
Splash water protection	IPX3	IPX3	IPX3	
Assessed sound level LPA according to EN 60704-1	<70	<70	<70	dB(A)
The assessed effective acceleration value according to ISO 5349	0.141	0.141	0.141	m /s ²
Electrical protection class	III	III	III	
CSD (Cleaning Solution Dosing)	yes	yes	yes	
Recycling	option	yes	option	

Typ	1700	1800	
Theoretical performance area operation width x drive speed (4) x 1000	3500	4250	m ² /h
Working width	700	850	mm
Squeegee width	990	1150	mm
Cleaning solution tank / recovery tank	85	85	l
Machine speed forward / backwards	5/3	5/3	km/h
Machine weight / for operation (max.)	155/430	157/480	kg
Rated voltage	24V	24V	dc
Tools	2 x 350	2 x 430	mm
Brush rpm	150	133	min-1
Brush pressure	42/61	60	kg
Dimensions (L x W x H)	156 x 77	169 x 90	x 100 mm
Rated power	1500	1700	W
Splash water protection	IPX3	IPX3	
Assessed sound level LPA according to EN 60704-1	<70	<70	dB(A)
The assessed effective acceleration value according to ISO 5349	0.184	0.184	m /s ²
Electrical protection class	III	III	
CSD (Cleaning Solution Dosing)	yes	yes	
Recycling	yes	option	

Accessories

Article	1400	1500	1600	1700	1800
Scrubbing brush for washed concret 28cm	X	X			
Scrubbing brush 28cm nylon	X	X			
Scrubbing brush abrasive 28cm	X	X			
Driving disc Instalok 28cm	X	X			
Scrubbing brush for washed concret 35cm			X	X	
Scrubbing brush 35cm nylon			X	X	
Scrubbing brush abrasive 35cm			X	X	
Driving disc Instalok 35cm			X	X	
Scrubbing brush for washed concret 43cm					X
Scrubbing brush 43cm nylon					X
Scrubbing brush abrasive 43cm					X
Driving disc Instalok 43cm					X
Filling hose with universal water coupling	X	X	X	X	X
Chassis protection	X	X	X	X	X
For specific applications, there are different tyre equipments available	X	X	X	X	X
Different pads (Polyester brown, blue, red, fibre pad and contact pad)	X	X	X	X	X

Recommended chemicals

Please use the recommended TASKI chemical products only.



Caution:
Using other chemicals (e.g. chemicals containing solvents, chlorine, hydrochloric acid and hydrofluoric acid) can damage or destroy the machine.

Dosage:

The mark „Max“ indicates the max. filling level of the tank cover/dosing cup (page 7).

Dosing examples (The concentration is product dependent)

Instructions on the product’s packaging		Tank capacity	The volume per tank filling
1%	100ml to 10l water	85l	850ml = 0,85l
2%	200ml to 10l water	85l	1700ml = 1,70l
3%	300ml on 10l water	85l	2550ml = 2,55l

Transport

- ▶ Open the battery cover.
- ▶ Disconnect battery plug with external battery charger.
- ▶ Close the machine hood.

Transport the machine in upright position or disassemble the batteries for transportation.

Make sure that the machine is tightly secured in the transportation vehicle so that the batteries cannot fall over in any way.

Disposal

When placed out of service, the machine and its accessories must be disposed of according to the national regulations. Your TASKI partner can support you with proper disposal upon notification.

Batteries

The batteries must be removed from the machine before being disposed of properly.

Used batteries must be disposed of in an environmentally appropriate way according to EU guidelines 91/157/EEC.

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EU Declaration of Conformity

We

JohnsonDiversey Switzerland
CH-9542 Münchwilen

hereby declare that the product described below both in this basic design and construction and in the version marketed by us conforms to the relevant safety- and health-related requirements of the appropriate EU Directive.

This declaration shall cease to be valid if modifications are made to the product without our approval.

Product:	scrubber dryer
Name:	combimat 1400/1500/1600/1700/1800
Model:	co 1400/1600/1800 - co 1700/1800
Technical Data:	24Vdc 1300/1500/1700W - 1300/1500W

Applicable EU Directives:

Machinery Directive (98/37/EEC) in version 98/79/EEC

EMC (Electro Magnetic Compatibility) (89/336/EEC) in version 98/13/EEC

Harmonised standards applied:

EN 60 335-1;94/EN 60 335-1-A1;96/EN 60 335-1-A2;00/EN 60 335-1-A11;95/
EN 60 335-1-A12;96/EN 60 335-1-A13;98/EN 60 335-1-A14;98/EN 60 335-1-A15;00/
EN 60 335-1-A16;01/ EN 60 335-2-72;98/ EN 60 335-2-72-A1;00/ EN 55014-1;00/
EN 61 000-4-2;95/ EN 61 000-4-2-A1;98/ EN 61 000-4-2-A2;01/EN 61 000-4-3;96/
EN 61 000-4-3-A1;98/ EN 61 000-4-3-A2;01

It is ensured through internal measures that series-production units conform at all times to the requirements of current EU Directives and relevant standards



Dipl. Ing. (FH) D. Windmeisser



Dipl. Ing. (FH) P. König

The signatories act on behalf of company management and with full power of attorney.

AT	JohnsonDiversey Austria Trading GmbH Guglgasse 7-9 1030 Wien Tel (43) 1 605 57 0 Fax (43) 1 605 57 1908	BE	JohnsonDiversey Haachtsesteenweg 672 1910 Kampenhout Tel (32) 16 617 802 Fax (32) 16 605 395	CH	JohnsonDiversey Eschlikonerstrasse 9542 Münchwilen Tel (41) 71 969 27 27 Fax (41) 71 969 22 53
CZ	JohnsonDiversey Ceska republika, s.r.o K Hájum 2 155 00 Praha 5 - Stodulky Tel (420) 296 357 460 Fax (420) 296 357 112	DE	JohnsonDiversey Deutschland GmbH & Co. OHG Mallaustrasse 50-56 68219 Mannheim Tel (49) 621 875 73 73 Fax (49) 621 875 73 11	DK	JohnsonDiversey 10, Teglbuen 2990 Nivaa Tel (45) 70 10 66 11 Fax (45) 70 10 66 10
ES	JohnsonDiversey S.A. C/San Gabriel 43-45 08950 Esplugues de Llobregat Tel (34) 93 474 98 73 Fax (34) 93 474 98 07	FI	JohnsonDiversey Valuraudankuja 3 00700 Helsinki Tel (358) 20 747 42 00 Fax (358) 20 747 42 01	FR	JohnsonDiversey (France) SAS. 9/11, avenue du Val de Fontenay 94133 Fontenay sous Bois Cédex Tel (33) 1 45 14 76 76 Fax (33) 1 45 14 77 99
GB	JohnsonDiversey Weston Favell Centre NN3 8PD Northampton Tel (44) 1604 405 311 M (44) 796 76 94 383	GR	JohnsonDiversey 5 Chimaras St 15125 Marousi Tel (30) 210 638 59 00 Fax (30) 210 638 59 01	HU	JohnsonDiversey Magyarország Kft. Puskás Tivadar u. 6. 2040 Budaörs Tel (36) 23 509 100 Fax (36) 23 501 700
IE	JohnsonDiversey Ltd. Ballyfermot office Westlink industrial estate Kylemore road Dublin 10 Tel (353) 1 626 11 82 Fax (353) 1 626 20 13	IT	JohnsonDiversey S.p.A. Via Meucci 40 20128 Milano Tel (39) 02 25 80 32 33 Fax (39) 02 25 92 255	MT	Forestals (Appliances) Ltd. The Strand SLM 07 Sliema Tel (356) 21 344 700-7 Fax (356) 21 344 709
NL	JohnsonDiversey B.V. Maarssebroeksedijk 2 P.O. Box: 40441 3504 AE Utrecht Tel (31) 30 247 69 11 Fax (31) 30 247 63 17	NO	Lileborg Storforbrukere Postbooks 4236 - Nydalen 0401 Oslo Tel (47) 22 89 50 00 Fax (47) 22 89 50 80	PL	JohnsonDiversey Polska Sp. z.o.o. Al. St. Zjednoczonych 61A 04-028 Warsaw Tel (48) 22 516 30 00 Fax (48) 22 516 30 01

PT	JohnsonDiversey Z. Ind. Abrunheira 2714-505 Sintra Tel (351) 2 191 57 000 Fax (351) 2 192 50 615	RO	JohnsonDiversey Romania s.r.l. Baneasa Business Center, Etaj 5 Sos. Bucuresti - Ploiesti 17-21 Sector 1, Bucuresti Tel (40) 21 233 3894 Fax (40) 21 233 3896	RU	JohnsonDiversey Zvenigorodskaya 2-aya ul.,13, bld. 15 123022 Moscow Tel (7) 095 970 17 97 Fax (7) 095 970 17 98
SE	JohnsonDiversey AB Liljeholmsvägen 18 Box 47313 10074 Stockholm Tel (46) 877 99 300 Fax (46) 877 99 399	SI	JohnsonDiversey d.o.o. Trzaska cesta 37a 2000 Maribor Tel (386) 2 320 7000 Fax (386) 2 320 7071	SK	JohnsonDiversey Slovensko s.r.o Trnavska cesta 33 831 04 Bratislava Tel (421) 2 4445 4895 Fax (421) 2 4445 4896
TR	JohnsonDiversey Degirmenyolu caddesi Huzur Hoca sokak No: 84 Unilever Binasi Kat: 18 34572 Icerenköy / ISTANBUL Tel (90) 216 57 86 400 Fax (90) 216 57 86 401				

