



RA805 / RA905

Scrubber dryer



Operating Instruction

Operation, care and maintenance



Dear customer

Congratulations and thank you for purchasing your Cleanfix RA805 or RA905 ride-on machine. You have purchased a Swiss quality product, which manufactured with the greatest care.

Cleanfix Reinigungssysteme AG
Stettenstrasse 15
CH-9247 Henau
Tel. +41 58 329 45 45
info@cleanfix.com / www.cleanfix.com

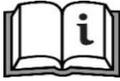
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2 Symbols



General mandatory sign



Study operating instructions

3 Read operating instructions

Before using the device for the first time, read these original operating and the safety instructions contained therein. Act accordingly. Keep these operating instructions for later use or for subsequent owners.

4 Intended use

The RA805 / 905 is an industrial/commercial floor cleaning machine for both rough and smooth hard surfaces (concrete, tile, stone, plastic, etc.). Typical applications include schools, hospitals/healthcare facilities, hotels, factories, stores, office buildings and retail centers. Do not use this machine on earth, grass, artificial turf or carpet. This machine is intended for indoor use only. Due to its design and construction, it complies with the relevant essential health and safety requirements of the EU Directives and therefore bears the CE mark.

The relevant EU directives according to which the device has been tested can be found in the Declaration of Conformity. This declaration becomes invalid if one or more modifications are made to the device that have not been approved by us. Operating the device in an improper condition before it has been repaired by authorized specialists is expressly prohibited. Cleanfix reserves the right for technical improvements within the scope of model maintenance. Therefore, the unit may differ in details from the information in the brochure and the pictures in this operating manual.

Only use this device as described in this user manual.

Please fill out the form during installation.

Model no.: _____

Serial no.: _____

Installation date: _____

5 Security



Warning

You will receive important instructions for the commissioning, use and maintenance of your machine. In addition to these instructions, the general safety and accident prevention regulations must be observed in general! In case of non-observance, the manufacturer excludes any liability! The operating instructions should always be kept within easy reach at your machine or at the machine location.



With a full freshwater tank and an empty wastewater tank, the device is only intended for cleaning applications with a maximum gradient of up to 12% or a maximum downward slope. During shifting travels without brush and suction insert, slopes / gradients of up to 15% can be mastered.

⚠ The brakes are not designed for larger slopes! Risk of accident!

On ramps and sloping surfaces, drive only at low speed.

The use on public ways or roads is prohibited.

The unit may never be used as a towing vehicle or means of transport and no persons may be carried along!

The suction motor must be switched off immediately in case of foam or liquid leakage!

Keep packaging foils away from children - danger of suffocation.

Operating personnel must be adequately instructed in the use of this device.

Never aspirate solvents, explosive gases or liquids. These include gasoline, paint thinner, fuel, oil, solvents, etc., which can form explosive vapors or mixtures by swirling with the suction air.

The use of waxes and dispersions will cause malfunctions and clogging of the pipes.

Use only brushes or accessories supplied or approved by Cleanfix. The use of other brushes or drive plate with pad may compromise safety and service life.

The manufacturer is not liable for any damage caused by improper use or incorrect operation.

If modifications are made to the device or the device is used improperly, the warranty becomes invalid.

The device must not be driven or operated by children or by persons with a physical, sensory or mental disability, or by persons without the necessary experience and knowledge. The device is not a child's toy. Cleaning and maintenance to be performed by the user must not be carried out by children without supervision.

Use the device only for cleaning indoors or of covered areas. The machine must not be used outdoors.

When working with the machine, take the local conditions into account and pay attention to third parties, especially children.

Do not use the device under any circumstances in potentially explosive environments.

Do not use for cleaning surfaces whose inclination exceeds the inclination specified on the appliance!

When cleaning and servicing your ride-on machine, when replacing accessories or changing over to other functions, the ride-on machine must be switched off, the ignition key removed and the parking brake applied.

The machine must not be parked on ramps.

The ride-on machine must always be disconnected from the battery during repairs and when replacing components!

Repairs may only be carried out by authorized service centers or specialists who are familiar with all the safety regulations relevant here.

This machine is not equipped with an explosion-proof motor. The motor will generate sparks during start-up and operation, which may result in a wildfire or explosion if the machine is used in an area where flammable vapors/liquids or combustible dusts are present.

- Exposed lead-acid batteries. Explosion or fire may result. Keep sparks and open flames away when charging.
- Disconnect the battery and charging cable before cleaning and servicing the machine.
- Do not charge batteries with a damaged cable. Do not tamper with plug.
- If the charger power cord is damaged or broken, it must be replaced by the manufacturer or its service representative or a similarly qualified person to avoid a danger.
- Machine filled with water must not be used and stored at temperatures in the frost range.
- Keep hands away from rotating pads and brushes.

Before use, all parts must be placed in the position specified in the operating instructions. (see picture)

To prevent unauthorized use of your machine, the ignition key must always be removed and the parking brake (pos. 7) locked.





Attention!

Destruction of the filters!

Never vacuum sharp objects such as glass splinters, nails, etc. Setting substances such as plaster or cement can also render filters unusable.

Damage to the device due to rain and dirt!

Never use and store the device outdoors!

Electric shock hazard charger!

Never touch the plug with wet hands.

Never pull the power plug out of the socket by the cable, but always directly by the plug.

The power cord must not be kinked, pinched, pulled or run over sharp edges and must not come into contact with heat sources.

If the power cord of this device is damaged, it must be replaced by the manufacturer, its customer service or a similarly qualified person in order to avoid danger.

Danger to life!

Do not operate the charger if there is any visible damage, if there is any suspicion of a defect (e.g. after a fall) or if the power cord is defective.

Do not use damaged extension cords.

6 Important safety instructions for handling batteries

Safety instructions!

Carry out maintenance according to manufacturer and follow instructions and regulations!

Only wet or maintenance-free batteries are permitted! Lithium batteries are not allowed!

- Overfilling the wet batteries will cause corrosion damage to the ride-on machine! We recommend maintenance-free batteries!
- Use only chargers recommended by the manufacturer for charging!
- Load the machine only in well-ventilated rooms!
- Explosion warning!



- If fluid leaks and comes into contact with your skin, flush immediately with plenty of water. If battery fluid gets into your eyes, wash them out with clean water and seek medical attention immediately!

Intended use

The user alone is liable for damage caused by improper use. Generally recognized accident prevention regulations and the safety instructions must be observed and followed.

Use

Charge the battery before use.

Do not recharge a fully charged battery.

Recharge the battery when the power drops.

The optimum storage temperature is between 20°C and 25°C. The permissible charging temperature is between 5°C and 40°C.

Batteries can go into deep discharge when not used for a long time and can then no longer be recharged! Therefore charge batteries every month!

Environmental protection

- Used batteries contain large quantities of valuable raw materials and plastics, which can also be fed into a recycling process.



- Batteries must not be disposed of with household waste!
- Return defective or used batteries to the dealer!
- Before disposal, secure the contacts against short-circuit (e.g. insulate with adhesive tape).
- Do not throw batteries into water!

7 Delivery

Unpack machine Carefully unpack the device and check the contents of the packaging for completeness (see scope of delivery). Should you notice any transport damage, contact your dealer immediately.

Scope of delivery	1a 1x Ride-on scrubber-dryer RA805 (alternative)	Item no.: 800.015
	1b 1x Ride-on scrubber-dryer RA905 (alternative)	Item no.: 910.015
	2 1x Suction nozzle completely preassembled	Item no.: 800.550
	3a 2x Scrub brushes Ø 38 cm for RA805 (alternative)	Item no.: 800.059
	3b 2x Scrub brushes Ø 43 cm for RA905 (alternative)	Item no.: 910.059
	4 1x Canister 5L (only for CADS version)	Item no.: 565.535

Accessories optional

RA805

Scrub brush Ø 38 cm PPN 0.6 (2 pcs. necessary)	Item no.: 800.059
Driving plate for pad (2 pcs. necessary)	Item no.: 800.070
Pad red Ø 38.1 cm (5 pcs.)	Item no.: 800.902.5
Pad blue Ø 38,1 cm (5 pcs.)	Item no.: 800.903.5
Pad brown Ø 38.1 cm (5 pcs.)	Item no.: 800.904.5
Washed concrete brush Ø 38 cm (2 pcs. needed)	Item no.: 800.573
Silicon carbide brush Ø 38 cm (2 pcs. needed)	Item no.: 800.476

RA905

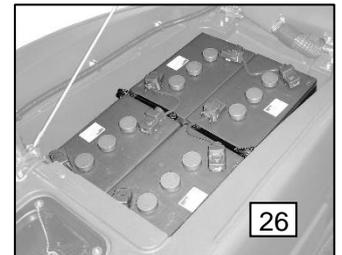
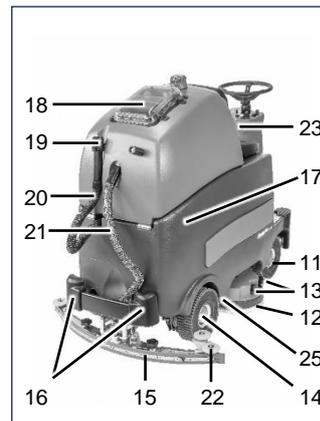
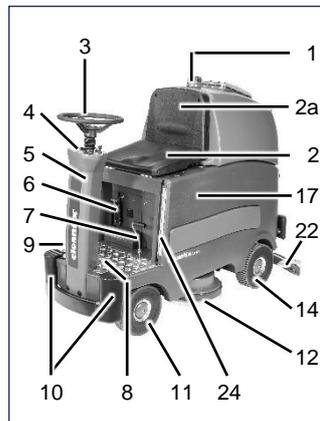
Scrub brush Ø 43 cm PPN 0.6 (2 pcs. needed)	Item no.: 910.059
Driving plate for pad (2 pcs. necessary)	Item no.: 910.070
Pad red Ø 43.2 cm (5 pcs.)	Item no.: 694.322.5
Pad blue Ø 43,2 cm (5 pcs.)	Item no.: 694.323.5
Pad brown Ø 43.2 cm (5 pcs.)	Item no.: 694.324.5
Washed concrete brush Ø 43 cm (2 pcs. needed)	Item no.: 910.573
Silicon carbide brush Ø 43 cm (2 pcs. needed)	Item no.: 910.476
Set of scraper blades Brush heads grease and oil resistant	Item no.: 910.072
Set of scraper blades Brush heads Standard	Item no.:
910.080LT	

RA805 und 905

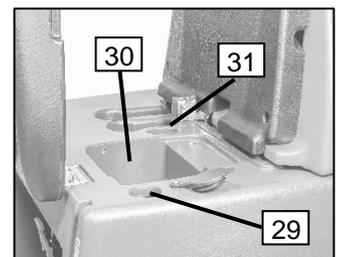
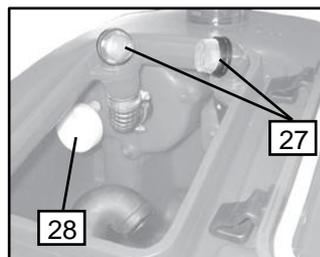
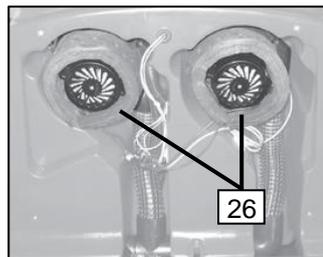
4x gel batteries 4x6V 240 Ah (312 x 182 x 359mm)	Item no.: 800.092
Fully automatic charger to gel batteries, 24V/35A	Item no.: 686.800
Fresh water filling hose 2m	Item no.: 681.000
Coarse dirt filter	Item no.: 800.640
Deflector roll large to suction nozzle	Item no.: 800.562
Scraper blade set grease and oil resistant blue	Item no.: 800.081
Scraper blade set standard red	Item no.:
800.080LT	
Set of street (rotating lamp incl. mounting. Rotating lamp yellow, Breakdown triangle with holder, frame to license plate, self-adhesive label speed 10 km/h, cat's eye)	Item no.: 800.925
Scraper blade set grease and oil resistant transparent	Item no.: 800.090
Water suction set	Item no.: 800.910

8 Structure and function

- | | |
|-------------------------------------|--------------------------------------|
| 1 Flashing light | 14 Rear wheel drive |
| 2 Driver's seat | 15 Suction nozzle |
| 2a Back cushion | 16 Rear bumper |
| 3 Steering wheel | 17 Fresh water tank |
| 4 Control panel | 18 Dirty water tank |
| 5 Steering column | 19 Hose holder |
| 6 Charging plug battery | 20 Drainage hose dirty water |
| 7 Parking brake | 21 Suction hose |
| 8 Brake pedal | 22 Deflection rollers Suction nozzle |
| 9 Drive pedal | 23 Emergency stop switch |
| 10 Front bumper | 24 Water level indicator |
| 11 Front wheels | 25 Drain fresh water |
| 12 Brushes or drive plates | 26 Batteries |
| 13 Deflection rollers Brush housing | |



- | |
|---|
| 26 Suction engine |
| 27 Suction air filter |
| 28 Level floater |
| 29 Fresh water tank filling hole |
| 30 Compartment for cleaning agent canister 5L (only for CADS version with function) |
| 31 Seat switch |



9 Commissioning



Warning

Never use a defective device!

- Unpack the device and check the delivery for completeness and transport damage.
- Install the batteries and connect them correctly. (Fig. 1)
- Charge the batteries of the machine using the charging cable. (Fig. 2)
- Mount the suction nozzle. (Fig. 4, page 11)
- Mount the two brushes or the drive plates with the pads (Fig. 6, page 11).
- Fill the freshwater tank as required, maximum up to the marking on the level indicator. (Fig. 7, page 11)
- Insert the ignition key (Fig. 5, page 11) into the lock and start the machine.

Installation battery

The machine is built for (DC) direct current 24V. Used are 4 pcs. 6 Volt batteries connected in series. (Picture 1)

This work may only be carried out by approved Cleanfix customer service centers or by qualified personnel.

Charging the batteries

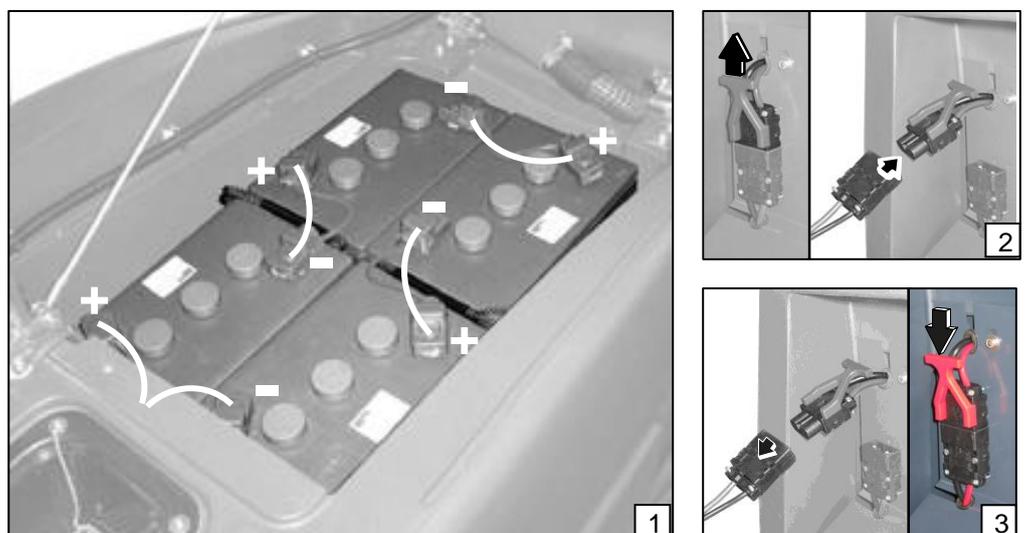
Disconnect the charging plug from the electrical interface and connect it to the charger plug. (Fig. 2)

Always pull on the plug housing, not on the cable. Charge according to the battery type and the manufacturer's instructions. Leave freshwater tank open for this.

Intermediate charging during operation is not recommended.

After charging, switch off the charger, disconnect the main plugs and reconnect the internal charging plug to the electrical interface of the machine. (Fig. 3)

If the machine is operated with wet batteries, charging may only take place in adequately ventilated rooms.



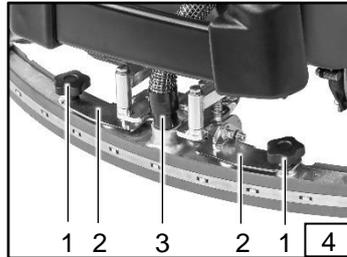
Mount suction nozzle

Loosen the star grips (1) on the suction nozzle until they can be pushed onto the nozzle carrier. (2, Fig. 4)

Ensure that the washer is located above the nozzle carrier!

Tighten star grips (1) hand tight.

Attach suction hose (3) to the suction nozzle.



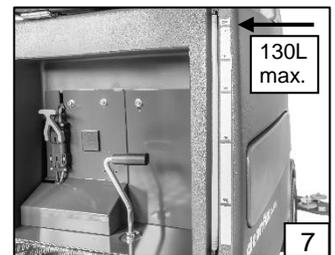
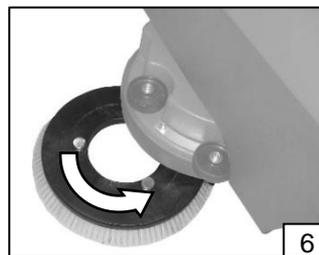
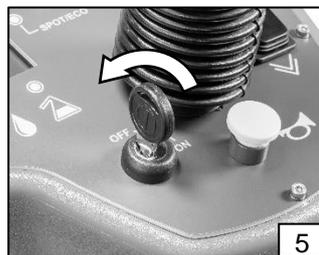
Mounting brushes / drive plates

Switch off the ride-on machine with the ignition key. (Fig. 5)

Push brushes or drive plates with centrally fixed pads under the brush drive, press upwards and turn in the opposite direction to the brush rotation until they engage. (Fig. 6)

The bristle length of the brushes and the thickness of the pads must not be less than 1cm. If the bristles are too short or the pads are too thin, the floor covering may be damaged. Check the brushes and pads regularly before starting to work!

Only the brushes, drive plates and pads intended for the unit may be used. The use of other cleaning tools may impair safety.



Filling fresh water

- Water temperature max. 60°C.
- Maximum fill level is 130 liters. See water level indicator. (Fig. 7)

Always add detergents after the water has been filled in order to avoid foam formation.

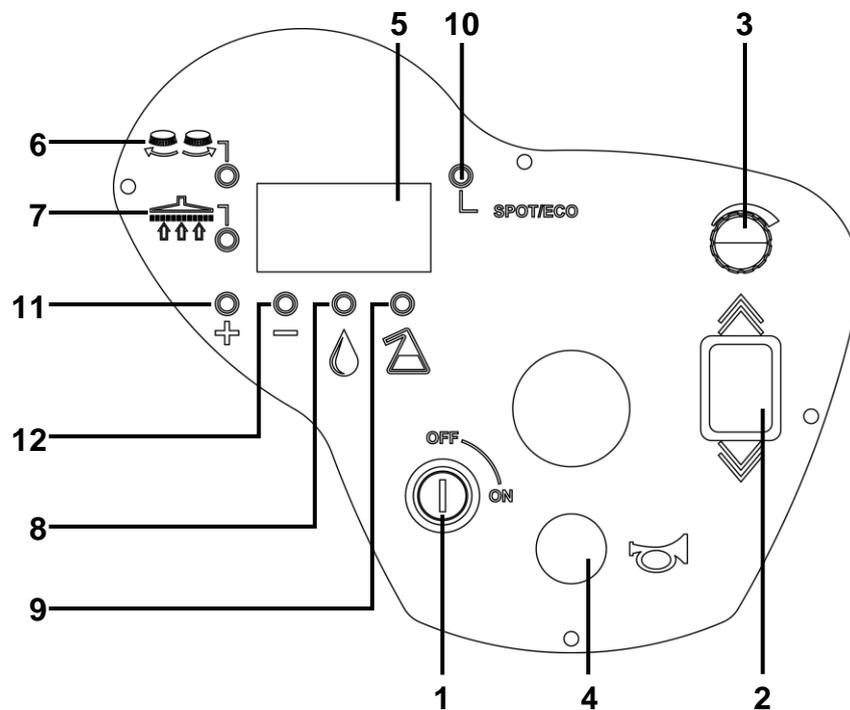
⚠ Do not fill above maximum!

Please refer to the manufacturer's instructions on the containers for the prescribed dosage of detergents.

You can find recommended products from Cleanfix detergents in our web shop.

10 Machine operation

Control / operating console



- | | |
|--|-----------------|
| 1 Ignition lock On / Off | 7 Suction |
| 2 direction of travel button (rocker switch) | 8 Water |
| 3 Speed controller stepless | 9 Detergent * |
| 4 Horn | 10 Spot / ECO |
| 5 Display | 11 Plus button |
| 6 Brushes / Drive plates | 12 Minus button |

* Only for version CADS with function

Functions control

The machine and control unit are ready for operation as soon as the battery symbol is visible in the display.

1. Ignition lock / ignition key

Switches the machine on or off. The machine switches itself off after 10 minutes, with the warning light remaining lit as a visual indicator.

2. Direction of travel button (rocker switch)

Serves to determine the direction of travel forwards or backwards. The machine is equipped with a reverse warning device. (Can be deactivated by service technician or dealer.)

3. Speed controller stepless

This controller can also be used to limit the maximum speed continuously while driving, which keeps the speed stable even with the foot pedal fully depressed. Adjustment of the slower desired speed takes place via the foot pedal.

4. Horn

Serves to warn people in the vicinity.

5. Display

5.1. Battery

State of charge display with 5 segments and percentage display.

5.2. Operating hours counter

Shows the total duty cycle of the machine.

(Counting starts as soon as ignition is set to "On")

5.3. Brush function

Indicates the current brush function. No display = brush deactivated, display present = brush activated. When using the Eco function, the brush symbol is supplemented with "Eco". (see point 6)

5.4. Suction function

Indicates the current suction function. No display = suction deactivated, display present = suction activated. When using the Eco function, the suction symbol is supplemented with "Eco". (see point 7)

5.5. Water quantity

Displays the set water quantity in 5 steps. In the case of automatic volume control, the symbol is supplemented with an "A".

In the case of manual flow control, the symbol is supplemented with an "M". When the function is deactivated, no symbol is shown in the display. (see point 8)

5.6. Quantity of cleaning agent (Only for CADS version with function)

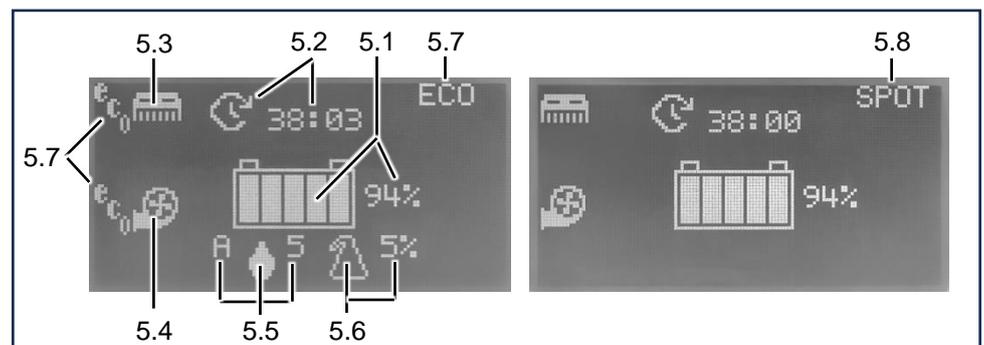
Displays the set detergent quantity and the mixing ratio in 5 percent steps. If the function is deactivated, no symbol is shown in the display. (see point 9)

5.7. ECO

Displays ECO mode. (see point 10)

5.8. SPOT

Displays SPOT mode. (see point 10)



6. Brushes

Switches on the brush function and brushes are lowered to just above the ground. When the machine is started, forwards or backwards, the brushes are lowered completely. When the machine is stopped, the brushes raise again slightly so as not to leave any marks on the ground. (No deformation of the bristles)

7. Suction

7.1. Short keystroke

Switches on the suction function and the suction nozzle lowers completely. When starting up, the two suction fans are switched on. When the machine is stopped, the suction fans run for 20 seconds, so that residual water in the hose is sucked in and the suction nozzle is automatically raised.

7.2. Long keystroke (> 3 seconds)

Switches on the suction function even when the machine is at a standstill; the driver's seat does not have to be occupied. With this function, an optionally available manual suction set can be attached to the suction nozzle to manually suck up standing water in inaccessible areas.

The suction nozzle lifts automatically when reversing.

8. Water

8.1. Short keystroke

Switches the water pump on or off. The plus and minus keys can be used to regulate the water quantity in 5 steps.

8.2. Long keystroke (> 3 seconds)

Activates the "Water dosing setting" submenu, in which plus and minus can be used to switch between the following 2 modes "AUTO" and "MANUAL". The selected setting is retained when the machine is restarted.

8.3. AUTO

In AUTO mode, the water quantity is metered depending on the speed. (faster = more water - slower = less water)

8.4. MANUAL

In manual mode, the water volume remains constant regardless of speed.

9. Detergent dosing (Only for version with CADS with function)

9.1. Short keystroke

Switches the pump for dosing the cleaning agent on and off. Switching on / off is only possible if the water function is also switched on.

9.2. Long keystroke (> 3 seconds)

Activates the submenu "Detergent dosage setting", where plus and minus can be used to switch between the following 5 modes "0.25% / 0.5% / 1% / 3% and 5%". The selected setting is retained when the machine is restarted.

9.3. Simultaneous keystroke water and detergent dosing

If the water and detergent dosing key are pressed simultaneously, the rinsing function cleans the detergent system. For this purpose, the cleaning agent must be replaced by clean water.

The brush and suction function must be switched off for this!

10. SPOT / ECO

10.1. Short keystroke

Switches on the SPOT mode. In this setting, the maximum amount of water is dispensed for 10 seconds and the travel speed is reduced (advantageous for locally heavier contamination). Afterwards, the settings are reset to the original values. SPOT mode can also be activated when ECO mode is active.

10.2. Long keystroke (> 3 seconds)

Switches on the noise-reduced ECO mode. In this setting, the suction power is reduced depending on the set water volume.

11. Plus Button +

To increase the flow control. (water / detergent)

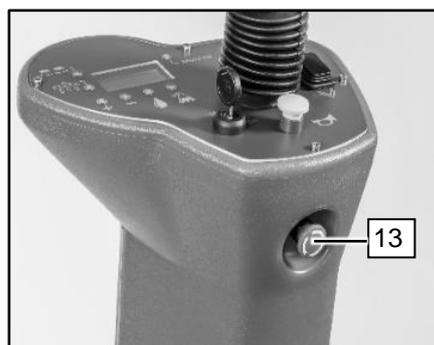
12. Minus Button -

To minimize volume regulation. (water / detergent)

13. Emergency stop switch

Press red button in case of emergency or maintenance. On-board power supply and battery are disconnected, the machine stops.

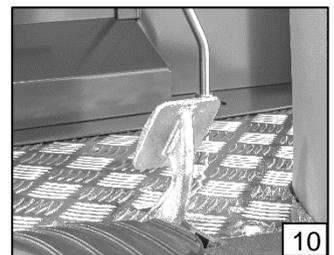
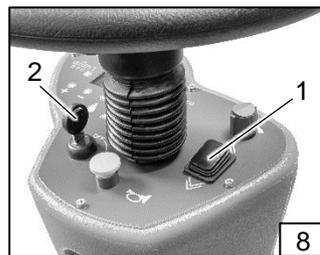
The emergency stop switch has no influence on the foot brake or parking brake!



Drive **No persons are allowed to be carried!**

- Use the travel direction key (1) to select the desired travel direction forwards or backwards. (Fig. 8)
- Turn ignition key (2) and switch machine on. (Fig. 8) The machine is not ready for operation until the battery indicator appears in the display.
- Release the parking brake by lifting and turning slightly. (Fig. 9)
- Slowly press down the accelerator pedal with the right foot and drive the machine to the destination. (Fig. 10)
- At the destination, stop the ride-on machine with the foot brake and secure it with the parking brake by pulling it up. (Fig. 9)
- Switch off ride-on machine with ignition key (2). (Fig. 8)

The machine has a seat switch, which must be loaded with enough weight!



11 Working methods

Preparation

The surface to be cleaned must first be swept off coarse and loose dirt. Otherwise, foreign bodies will get caught under the blades of the suction nozzle, the brushes or the pads, which could result in scratches in the floor covering.

Light soiling

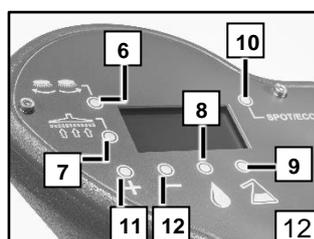
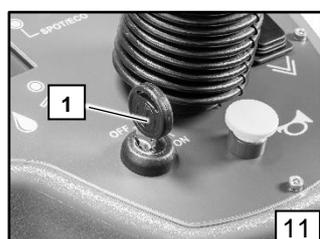
Switch on the unit using the ignition key (1, Fig. 11), switch on the brush drive (6, Fig. 12) and suction nozzle (7, Fig. 12) by pressing the buttons lightly, these will now lower automatically - brushes, however, only to just above the floor. Press the Water (8) or Detergent (9) buttons before adjusting the amount with Plus + (11) or Minus - (12) (Fig. 12). **Cleaning agent (5) can only be added and regulated in the CADS version!**

Release the parking brake (Fig. 13) and slowly press the accelerator pedal down; the brushes will now automatically lower completely. The travel speed can be increased by pressing the pedal. The function of the steering wheel is comparable to that of the car, use the brake pedal for braking.

⚠ Attention, keep in mind the pivoting/swivel range!

Heavy soiling

In case of heavy soiling, the SPOT mode (10, Fig. 12) can be switched on, whereby the maximum amount of water is dispensed for 10 seconds and the travel speed is reduced.



Drainage wastewater

Emptying is necessary when the dirt water monitor responds.

A level monitor (5, Fig. 14) is installed in the dirty water tank, which switches off the suction motor when the tank is full or overfoaming, it switches off the suction motor and thus protects it from damage.

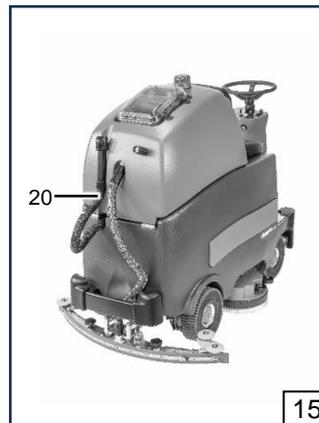
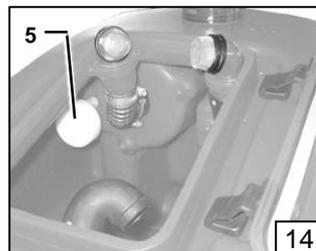
Move the ride-on machine to a suitable discharge point. Beneficially into a sink with sewer connection.

- Switch off ride-on machine with ignition key and remove ignition key.
- Uncouple the drain hose (20, Fig. 15), hold it up, unscrew the cap and bend the hose at the cap.
- Lower the drainage hose to the drainage point, loosen the kinked hose and empty wastewater tank.

When emptying into buckets, this can be interrupted by lifting the emptying hose in good time or by kinking the hose. After emptying, screw the lid back on tightly and put the emptying hose back into the hose holder.

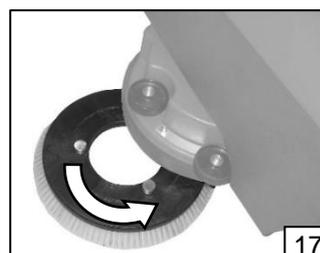
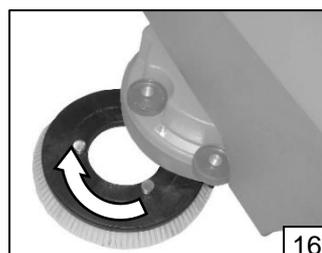
⚠ In the event of foam and/or water escaping below the tank or tank cap, the machine must be switched off and emptied immediately.

⚠ Observe national regulations for the disposal of wastewater. The compliance is the unrestricted responsibility of the user!



Brush or drive plate change

- Switch off the ride-on machine with the ignition key (2). (Fig. 8)
- Turn and lower the brushes or drive plate with centrally fixed pad in the direction of brush rotation - The brush or drive plate disengages. (Fig. 16)
- Push new brushes or drive plates with centrally fixed pads under the brush drive, press upwards and turn in the opposite direction to the brush rotation until they engage. (Fig. 17)

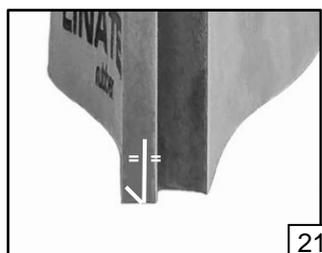
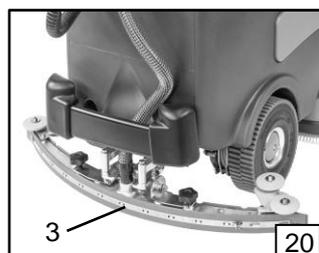
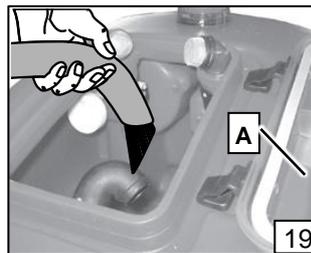
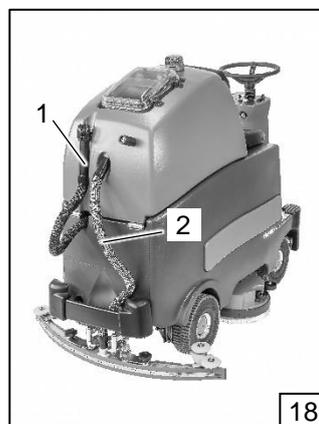


12 Maintenance and cleaning

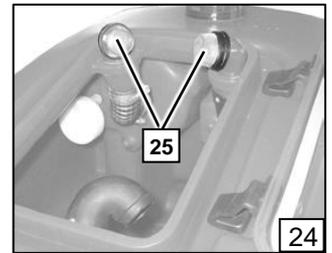
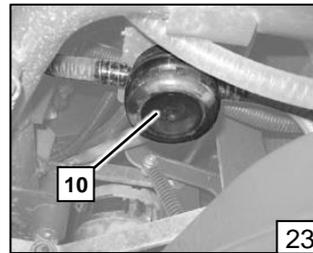


- Switch off the ride-on machine before maintenance and cleaning, remove the ignition key and apply the parking brake firmly.
- Cleaning the ride-on machine with a high-pressure cleaner or a water hose can lead to considerable damage and is therefore prohibited.
- Maintenance and repairs on mechanics and brakes may only be carried out by authorized service centers!
- Clean the outside of the device with a sponge or cloth.
- Empty the wastewater tank using the emptying hose (1). (Fig. 18)
- Thoroughly rinse the dirty water tank with a hose. (Fig. 19) Leave the tank lid (A) open to dry out so that bad odors can be avoided.
- Remove the suction nozzle (3, Fig. 20) and clean it under running water with a brush or sponge. While doing so, check the fins for wear and replace them if necessary. Make sure that the suction lips are not worn beyond their center. Only in this way is it possible to use them 4x by reassembling them the other way round. (Fig. 21)
- Loosen the suction hose at the top (2, Fig. 18) and rinse it from above. If necessary, empty the freshwater tank (see page 19)

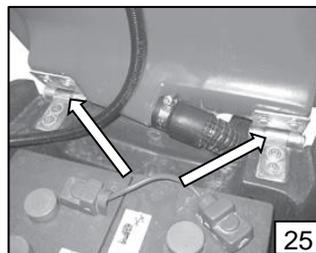
⚠ Clean nozzles and fins with gloves - risk of injury!



- Remove the brushes or driving discs with pads and check them for foreign bodies such as metal parts, screws, wood splinters, stones, etc. and remove them so that they cannot cause damage to the floor coverings. Regularly check the wear of the pads and brush bristles. If they are too worn, this can cause damage to the floor covering.
- Empty the freshwater tank regularly as well. Fresh water that has been standing for a long time can also develop unpleasant odors. To do this, remove the screw cap on the underside, right in front of the rear wheel (Fig. 22). So that there is no vacuum occurring in the tank and the water can run out quickly, the cap of the filler neck should also be opened.
- In case of daily use, check the freshwater filter (10, Fig. 23) once a week for contamination and clean it if necessary.
- In case of daily use, the suction air filter (25, Fig. 24) must be checked for contamination and cleaned each time it is used.



- Twice a year you should lubricate the hinges on the freshwater tank and the seat cushion. (Image 25)
- Check monthly whether the wheel bolts are still tight. (Fig. 26)
- In case of repair, please contact your specialist dealer or one of the authorized service workshops. You will be served quickly and professionally.
- Our products have been tested for safety at the factory.



13 Battery maintenance

Wet batteries

- out maintenance according to the manufacturer and follow the instructions and regulations.
- Overfilling the batteries will cause corrosion damage to the ride-on machine.
- We recommend maintenance-free batteries.
- Use only chargers recommended by the manufacturer for charging.
- Only load the machine when it is open and in a well-ventilated area.



Explosion warning!

Maintenance free batteries

- Carry out maintenance according to the manufacturer and follow the instructions and regulations.
- Use only chargers recommended by the manufacturer for charging.

Lithium-ion batteries

- **Are not allowed due to the lack of battery management system.**



Forced disconnection of the battery may cause to a system failure.
Danger of accident!

14 Fuse



Warning

Attention, before changing the fuse, disconnect the battery via the charging plug of the ride-on machine (risk of short circuit)!

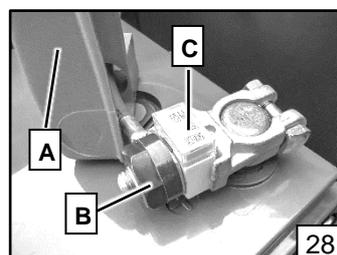
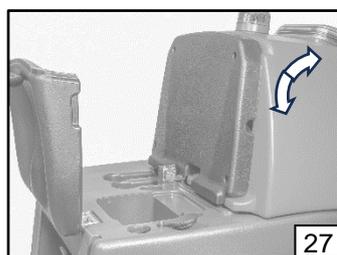
The circuit of the ride-on machine is protected by a main fuse (C, Fig. 28).

The fuse responds immediately in the event of a prolonged overload or short circuit. If the fuse responds more frequently or responds immediately after replacement, there is a technical defect.

Contact your service center immediately!

To replace the fuse (C, Fig. 28), lift the dirt water tank (Fig. 27). Lift the red cover cap (A) on the positive pole of the battery, unscrew the nut (B) from the fuse switch, remove the defective fuse, insert the new fuse and fasten the nut again (Figure 28). Replace positive terminal cover and lower dirt water tank again. Check the machine functions.

Use only fuses with the prescribed value (125A)!



15 Service intervals

Cleanfix ride-on machines are high-quality machines, which have been tested in the factory also for safety by our Q&A team and by authorized inspectors. Electrical and mechanical components are naturally subject to wear or aging after a long period of use. To maintain operational safety and readiness for use, the following service intervals are specified:

Every year or after 300 hours of work.

In case of rough or special operating conditions and/or insufficient maintenance, shorter intervals are required. Service, maintenance and repairs may only be carried out by authorized Cleanfix service centers or by specialists who are familiar with all relevant safety regulations.

An overview of Cleanfix contact persons can be found at www.cleanfix.com.

16 Help in case of malfunctions

Dear customer,

our products are subject to strict quality control. If this device still does not work properly, we are very sorry. Before contacting our customer service, please check whether one of the errors listed below is present.



Warning

Switch off the device and remove the ignition key when troubleshooting the electrical or mechanical system. This will prevent the unit from being switched on accidentally. (Risk of injury)

Error	Possible cause	Resolution
Machine has no function	Ignition key to OFF	Turn ignition key to ON
	Emergency stop switch pressed	Pull out emergency stop switch
	Machine is being loaded	End charging process after full charge and connect plug with device
	Battery discharged	Charging the battery (p. 10)
	Fuse 125A defective	Change fuse (p. 20)
	Automatic switch-off after 10 min.	Turn ignition key to ON
	Battery connector not plugged in	Plug in battery connector

Error	Possible cause	Resolution
No suction	Suction hose not inserted in suction nozzle	Plug in suction hose
	Suction nozzle or suction hose clogged	Clean suction nozzle and suction hose
	Level float dirt	Clean level float
	Suction motor not switched on	Switch on the suction motor on the display
	Suction motor switched on, but suction motor does not suck.	Dirt water tank full, empty tank.
	Suction air filter clogged	Clean suction air filter
	Suction motor still does not suck	Call service center
Poor suction	Dirt water tank lid does not seal properly	Check seal and seat
	Cover drain hose loose	Tighten cover
	Suction lips on suction nozzle worn out	Turn over suction lips or mount new suction lips
	Suction air filter clogged	Clean suction air filter
	Foreign body in suction nozzle or suction hose	Clean suction nozzle and suction hose
	No suction nozzle in nozzle holder	Installing the suction nozzle in the nozzle holder (p. 11) Tighten star grips
Brush / drive plate does not rotate	Brush drive not switched on	Brush drive on display switch on
	Motor rotates, brush or drive plate does not	Call service center
No or too little cleaning solution	Freshwater tank empty	Fill freshwater tank
	Freshwater filter clogged	Clean freshwater filter
	Pump defective	Call service center
<u>CADS-Version</u> No or too little cleaning agent	Too little cleaning solution	Regulate dosing with key (p. 14) Only for CADS version
	Detergent canister empty	Fill or replace
	Hose system clogged	Rinse hose system
	Pump defective	Call service center
Brush- or suction-motor cannot be switched off	Defect	Switch off ride-on machine and call service center
Batteries not charged	Charger or connection cable defective	Call service center
	Wet batteries	Measure acid density according to manufacturer's instructions, replace if necessary
	Wrong charger to battery type	Clarify, replace if necessary
	Charging plug machine or plug on charger defective or has bad contact	Check, replace if necessary or call service center

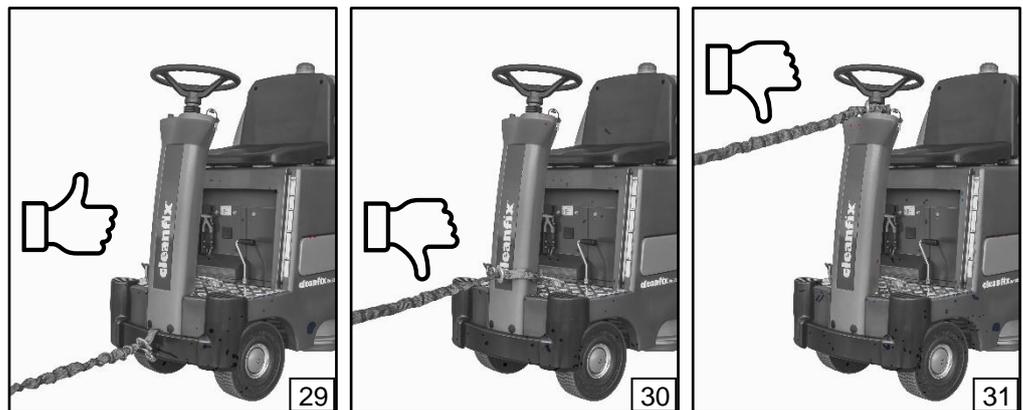
17 Error code list

Error Code	Description
1	Drive switched off - low battery charge
2	Brushes switched off - low battery charge
3	Suction fan switched off - low battery charge
4	General overtemperature
5	Battery voltage >32V
8	Limite suction fan
9	Limite brush drive
10	Dirty water tank full
11	Release the foot pedal when switching on
12	General communication error
13	Limitation of drive motor current
14	Brush motor current limitation
15	Suction motor flow limitation
16	Batteries Minimum voltage reached
21	Overcurrent Time limit for drive motor reached
23	Overcurrent Brush motor time limit reached
27	Motor not connected
28	Overvoltage batteries
29	Undervoltage batteries
32	Undervoltage drive motor
38	Suction motor overcurrent time limit reached
42	Short circuit on the brush motor
43	Short circuit on the suction motor
48	CADS inactive

18 Towing in case of malfunction

 If the unit has to be towed, the tow rope must NEVER be attached around the steering (Fig. 31) or the steering column (Fig. 30)!

Be sure to attach the tow rope around the bumper! (picture 29)



19 In case of prolonged non-use and storage

If the machine is not used for a longer period of time, then:

- the batteries need to be charged 1x per month. (defect due to deep discharge).
- If necessary, completely disassemble the batteries and store them in a dry place at 20°C to 25°C.
- The fresh and dirt water tanks are emptied and cleaned.
- The regular maintenance is carried out.
- All filters are cleaned.
- be stored in a dry, dust-protected and frost-proof place.
- The room temperature should not fall below +4°C or exceed +50°C.

20 Storage

After decommissioning, the machine must be:

- dry
- dust-protected and
- stored frost-proof

21 Transportation

- Empty the machine completely.
- Remove ignition key for transport.
- Disconnect battery charging plug so that the ride-on machine is not started by mistake.
- Apply the parking brake.
- Wedge the machine and secure it with suitable lashing straps via the checker plate at the front and the suspension bumper at the rear.

The machine must generally be transported upright and adequately lashed down. Leaking battery acid can cause considerable damage up to total failure of the machine!

22 Technical data

	RA805	RA905
Item number	800.015	910.015
Total power max.	2150 Watt	2150 Watt
Rated voltage	24 Volt DC 240 Ah	24 Volt DC 240 Ah
Splash water protection	IPX 3	IPX 3
Empty weight incl. batteries	480 kg	500 kg
Fresh- / dirt water tank	135 L / 130 L	135 L / 130 L
Suction width	105 cm	105 cm
Working width	76 cm	86 cm
Disc brushes	2 x 38 cm	2 x 43 cm
Turning circle	210 cm	210 cm
Dimensions L/W/H	172 / 72 / 132 cm	172 / 90 / 132 cm
Theoretical area output	6400 m ²	7200 m ²
Runtime	Approx. 4 hrs.	Approx. 4 hrs.

23 Environmental protection



When disposing of the device, please remember that the packaging materials are recyclable. Please do not dispose of the packaging in the household waste, but recycle it.



Waste equipment contains valuable recyclable materials that should be sent for recycling. Batteries, plastics and similar materials must not be released into the environment. Therefore, please dispose of old devices via suitable collection systems. Use the collection point set up in your place of residence for the return and recycling of old electrical and electronic devices, as well as for the return and recycling of rechargeable batteries.

- Batteries must be disposed of separately!
- Contact your local authority or dealer for more information.
- Store the used device and the rechargeable batteries in a childproof place until disposal!

24 Disposal

The packaging and unused cleaning agents must be disposed of in accordance with national regulations. Your Cleanfix partner can assist you with this by arrangement. The disposal of absorbed dirt water must be carried out in accordance with the national regulations. The user is fully responsible for compliance. After being taken out of service, machines must be returned to the dealer according to the fitted symbols or to be disposed of properly in accordance with national regulations. Your Cleanfix partner can assist you with this after consultation.

The battery must be removed from the machine before it is disposed of properly. Used batteries must be disposed of in accordance with EU-guidelines 91/157/EWG to be disposed of in an environmentally friendly way.

25 Warranty

In each country, the warranty conditions issued by our responsible sales company apply. We will repair any faults in your device free of charge within the warranty period if the cause is a material or manufacturing defect. If modifications are made to the device or the device is used improperly, the warranty will be terminated. In the event of a warranty claim, please contact your dealer or the nearest authorized customer service center with proof of purchase.

26 CE Declaration of Conformity

We hereby declare that the machine described below complies with the relevant basic health and safety requirements of the EU directives due to its design and construction and in the version placed on the market by us. In the event of a modification of the machine not agreed with us, this declaration loses its validity.

Hard floor cleaning machine RA805 / RA905

We,
Cleanfix Reinigungssysteme AG
Stettenstrasse 15 | CH-9247 Henau

declare under their sole responsibility that the product, Hard floor cleaning machine RA805 / RA905, to which this declaration refers, is in conformity with the following standards or normative documents.

Low voltage, machinery:

EN 60335-1 (ed.3); am1; am 2; EN 60335-2-72 (ed.2); am1

Emission:

EN 55014-1:00+A1:01+A2:02; CISPR 14-1:05 (ed.5)

Immunity:

EN 55014-2-97+A1:01; CISPR 14-2:97+A1:01(Cons. ed. 1.1) EN 61000-6-2:05; IEC 61000-6-2:05 (ed.2)

EMF:

EN 50366:03+A1:06; IEC 62233:05:05(ed.1)

Harmonics:

EN 61000-3-2:06; IEC 61000-3-2:05(ed.3);

Voltage fluctuations:

EN 61000-3-3:95+A1:01+A2:05; IEC 61000-3-3:94 +A1:01+A2:05 (Cons. ed. 1.2)
(Title and/or number and date of issue of the standard(s))

According to the provisions of the guidelines:
2011/65/EU - 2006/42/EC - 98/37/EC - 2004/108/EC

Henau, 01.09.2023



Daniel Stutz
Leiter Entwicklung
Cleanfix Reinigungssysteme AG
Stettenstrasse 15
CH-9247 Henau

Tel. +41 58 329 45 45
info@cleanfix.com / www.cleanfix.com

**- UKCA CONFORMITY DECLARATION -
ACCORDING TO SUPPLY OF MACHINERY (SAFETY) REGULATIONS 2008**

The manufacturer / distributor

Cleanfix Reinigungssysteme AG, Stettenstrasse 15, 9247 Henau, Switzerland

hereby declares that the product:

RA805, RA805 CADS, RA905, RA905 CADS

Identification number: 800.015, 800.020, 910.015, 910.020

Complies with the requirements of the above mentioned directive.

Other applied standards and directives:

Low voltage, machinery:

EN 60335-1 (ed.3); am1; am 2; EN 60335-2-72 (ed.2); am1

Emission:

EN 55014-1:00+A1:01+A2:02; CISPR 14-1:05 (ed.5)

Immunity:

EN 55014-2-97+A1:01; CISPR 14-2:97+A1:01(Cons. ed. 1.1) EN 61000-6-2:05;

IEC 61000-6-2:05 (ed.2)

EMF:

EN 50366:03+A1:06; IEC 62233:05:05(ed.1)

Harmonics:

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(Title and/or number and date of issue of the standard(s))

In accordance with the provisions of the guidelines:

2011/65/EU - 2006/42/EC - 98/37/EC - 2004/108/EC

This declaration loses its validity if the machine is modified without our agreement.

Authorised representative for compiling the technical documentation:

Cleanfix Reinigungssysteme AG, Stettenstrasse 15, 9247 Henau, Switzerland

Henau, 04.03.2024



Daniel Stutz

Head of Development

Cleanfix Reinigungssysteme AG

Stettenstrasse 15

CH-9247 Henau

Tel. +41 58 329 45 45

info@cleanfix.com / www.cleanfix.com