

Safety, Operations & Maint. Manual

Cleanfix® **PowerDisc, R44-180, R44-Dual**



This unit is intended for commercial use

This manual is furnished with each new **Floor Machine of the type PowerDisc, R44-180, R44-Dual Speed**. It provides necessary operation and maintenance instructions.

READ AND FOLLOW ALL INSTRUCTIONS, WARNINGS AND CAUTIONS BEFORE AND WHEN USING THIS FLOOR MACHINE. THE MACHINE MAY ONLY BE USED BY PERSONS WHO HAVE BEEN INSTRUCTED IN ITS HANDLING AND EXPRESSLY ENTRUSTED WITH THE OPERATION THEREOF.

All information and specifications printed in this manual are current at the time of printing. However, because of Cleanfix' policy of continual product improvement, we reserve the right to make changes at any time without notice.

WHEN THE MACHINE IS DELIVERED

This floor machine will afford you many years of trouble-free operating satisfaction, provided it is given proper care. All parts are passed rigid quality control standards prior to their being assembled to the finished product. Prior to packaging, your floor machine was again inspected for assurance of flawless assembly.

This floor machine is protectively packed to prevent damage in shipment. When the machine is delivered carefully check the carton for signs of damage. Unpack the machine from the carton and inspect it for any possible damage.

Only a visual examination will reveal damage that may have occurred in transit. If damage is discovered, immediately notify the transportation company that delivered your floor machine and request an inspection. As a shipper we are unable to report any claim for damage. You must origin any claim within 5 days of delivery. Be sure to keep the carton, packing inserts, packing list and carrier's receipt until the inspector has verified your claim. Cleanfix' liability ceases when the shipment is picked up by the carrier. Cleanfix will furnish any information needed to expedite the claim process.

GENERAL PRECAUTIONS

FAILURE TO FOLLOW PRECAUTIONS AND WARNINGS MAY CAUSE SERIOUS INJURY TO THE OPERATOR AND CAUSE DAMAGE TO MACHINE, WHICH CAN VOID WARRANTY. TO REDUCE RISK OF FIRE, ELECTRIC SHOCK OR INJURY: READ ALL INSTRUCTIONS BEFORE AND WHEN USING THIS FLOOR MACHINE.

WARNING

To Avoid Electric Shock, Do Not Expose to Rain. Store Indoors.

- For 120 volt grounded outlet models. The unit must be plugged into a properly grounded outlet, check that the nominal voltage of the machines matches the local plug voltage before plugging it in. **Do not** operate the machine with a broken/missing grounding pin. Have a qualified service person replace the plug immediately.
- **Do not** leave the floor machine when plugged in. Unplug from outlet when not in use and before servicing.
- Turn **OFF** all the controls before unplugging the floor machine.
- This is **NOT** a toy. Close attention is necessary when used around or near children.
- Use only indoors and as described in this safety/operations manual. Use only manufacturer's recommended attachments and accessories.
- **Do not** use this floor machine with damaged cord or plug. If the floor machine is not working as it should, because it has been dropped, damaged, left outdoors or dropped into water, contact authorized service center or factory.
- **Do not** pull or carry floor machine by the cord, use cord as a handle, close a door on cord or pull cord around sharp edges and corners. **Do not** run floor machine over cord. **Keep cord away** from heated surfaces.
- **Do not** unplug the floor machine by pulling on the cord. To unplug, grasp the plug, not the cord.
- **Do not** handle the plug of the floor machine with wet hands.
- Store floor machine indoors in a dry area. **Do not** expose to freezing temperatures.
- **Do not** put any objects into openings. **Do not** use with any opening blocked. Keep free of dust, lint and hair.
- Keep hair, loose clothing, fingers and all parts of body away from openings and moving parts.

GENERAL PRECAUTIONS (cont.)

- Any manner of working that represents a safety hazard must be refrained from.
- **Do not** use the floor machine in areas where flammable or combustible liquids such as gasoline may be present. **Do not** use it in areas where something is burning or smoking, such as cigarettes, matches or hot ashes.
- **Do not** use where anesthetics or oxygen is used.
- **Do not** use an extension cord unless absolutely necessary. If an extension cord is used, the wire size must be 14 ga. or larger and should not exceed 50 feet in length. The extension cord must be three-wire type to insure grounding protection.
- Replace damaged or worn parts immediately with genuine original equipment parts to maintain safety and to protect your limited warranty.
- **Do not** pressure-wash the floor machine, as it may cause a short circuit, damage to components and/or operator injury.
- **Never** drive over steps!
- **Never** drive over power cords! **Danger of electric shock!**
- Whilst operating, caution is to be exercised with respect to third parties, especially children.
- Wear sturdy footwear.
- When floor machine is in standstill the brush needs to be turned off immediately to prevent harm to the floor.
- When cleaning and servicing the machine, changing parts or converting to a different function, turn off the machine.
- Besides the operating instructions and the national rules for safety in the work place, we also recommend that the unwritten rules of safe working should be respected. Using the floor machine on public roads, paths and any other outdoor surface is prohibited.

TRANSPORT

- The applicable user and safety instructions/regulations, in particular for those pertaining to load-bearing capacity, must be observed.
- Exercise care when moving the machine over thresholds and landings – this may damage wheels.
- When transporting in elevators, their safety regulations and precautions are to be respected as well as the maximum load capacity of the elevator.

GRADIENTS, STEPS AND THRESHOLDS

- **NEVER** drive floor machine over steps.
- Always use extreme caution when moving the floor machine on ramps or inclines.
- **Do not** park the floor machine on inclines.
- Care should be taken when driving the machine over thresholds or sills as damage may occur to the brush/pad and wheels.

GENERAL PRECAUTIONS (cont.)

CLEANING CHEMICALS AND HAZARDOUS DUST/LIQUID

- Attention must be paid to the manufacturer's safety instructions when using cleaning and care chemicals. Wear safety glasses and clothing if necessary.
- The danger of using easily flammable, toxic, health-damaging, caustic or irritating substances is expressly pointed out.
- Do not use the floor machine for surfaces that can release dust and liquids that are hazardous to health.
- Only use non-flammable cleaning agents, which do not include hazardous components.

CARE OF FLOOR MACHINE

This floor machine is designed to be safe when used to perform cleaning functions as specified. Should damage occur to electrical parts, the unit should **NOT** be used until the damage is repaired by the manufacturer or an authorized service center. This will avoid further damage to the floor machine or injury to the operator.

These instructions are for your protection and information.

PLEASE READ CAREFULLY! Failure to follow instructions or precautions could result in injury or damage to the user and/or the floor machine.

GROUNDING INSTRUCTIONS - 120 VOLT

Electrical equipment must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electrical current to reduce the risk of electric shock.

The floor machine is equipped with a cord having equipment grounding conductor and grounding plug.

The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

If repair or replacement of the cord or plug is necessary, **DO NOT** connect the grounded wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

WARNING

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded.

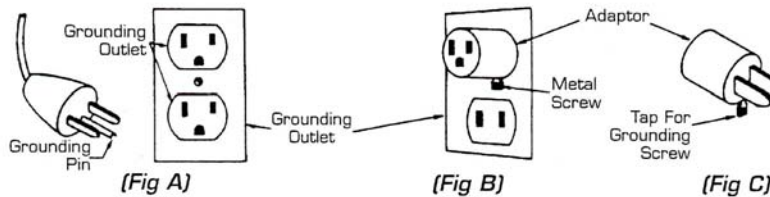
Do not modify the plug provided with the equipment. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

Note: In Canada, the use of a temporary adapter is not permitted by the Canadian Electrical Code.

GROUNDING METHODS

This electric equipment is for use on a nominal 120-volt circuit, and has a grounded plug that looks like the plug illustrated in (Fig. A). A temporary adaptor that looks like the adaptor illustrated in (Fig. B & C) may be used to connect this plug to a 2-pole receptacle as shown in (Fig. B) if a properly grounded outlet is not available.

The temporary adaptor should be used only until a properly grounded outlet (Fig. A) can be installed by a qualified electrician. The green color rigid ear, lug or the like extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by a metal screw (Fig. C).



DANGER:
Improper use of the
grounding plug can
result in a risk of
electrical shock.

INTENDED USE

- **Only use** for cleaning of water-resistant floor coverings in building interiors.
- **Do not** use the floor machine on public roadways.
- **Any other use is considered to be improper.** The manufacturer is not liable for any resulting damage; all risks are the responsibility of the user.
- The appropriate accident prevention rules, as well as other known regulations for health and safety in operation, must be respected.
- Use for intended purpose also includes adherence to the manufacturer's operating, service and maintenance regulations.
- Modifications made to the floor machine by the user releases Cleanfix from all liability for resulting damage.
- Floor coverings must be checked for suitability for this cleaning method before using the floor machine!
- Pay attention to surface pressure in case of point-elastic floors such as gymnasium floors. Check that the wheels will not damage the surface.
- Cleanfix does not accept liability for damage caused to the machine and floor covering being cleaned if wrong brush and chemicals have been used.

BEFORE USING THE FLOOR MACHINE

ASSEMBLY

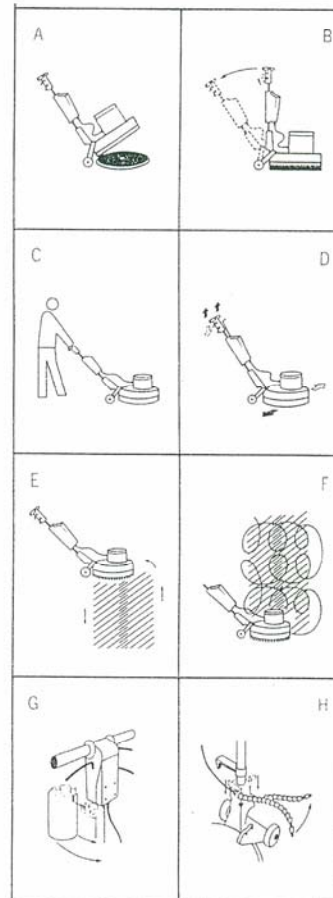
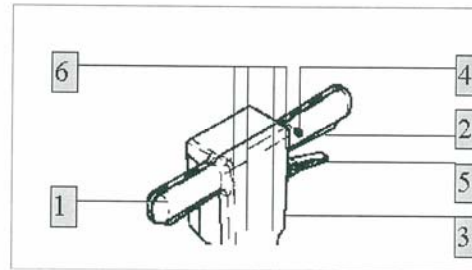
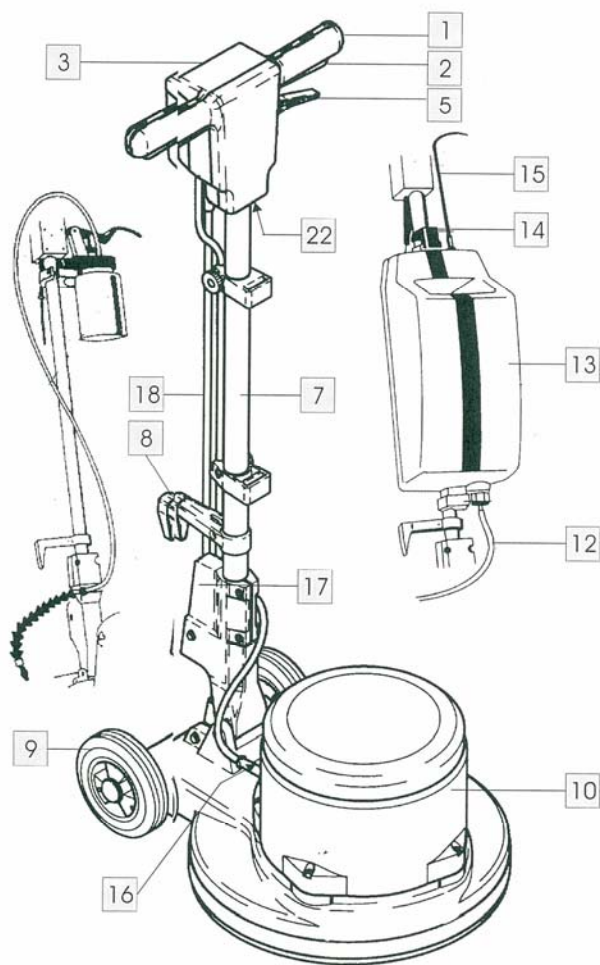
1. The motor head and handle are delivered separately packed.
2. First unscrew the hex screw in the shaft adjusting unit (17).
3. The feed to handle bar (7) gently as far as it will go into the shaft adjusting unit (17).
4. Align the handle (1) parallel with the wheels (9) so that the safety button on the housing on the handle (3) is facing to the rear.
5. Then tighten the hex screws again.
6. Wind the cord (18) around the cord wrap (8) and the handle.

QUICKGUIDE

1. Check that the machine is in proper condition.
2. Remove obstacles, such as furniture etc. from the area to be cleaned. Large pieces can be removed to opposite end of the room from where you start cleaning.
3. Make sure all switches are in the **OFF** position.
4. All cords and connectors must have proper protection from spray water.
5. Check all cords for damage and signs of aging at regular intervals. The floor machine may only be used if the cord is in perfect condition.

FUNCTIONAL PARTS AND ACCESSORIES

- | | |
|---------------------------|------------------------------|
| 1. Handle | 10. Motor head |
| 2. Brush motor trigger | 12. Solution feed hose |
| 3. Housing of upper shaft | 13. Solution tank (optional) |
| 4. Dead-man switch | 14. Tank holder |
| 5. Handle adjusting lever | 15. Solution lever |
| 6. Screws of control box | 16. Water connector |
| 7. Shaft | 17. Shaft adjusting unit |
| 8. Cord wrap | 18. Cord |
| 9. Wheels | 22. Circuit breaker |



PREPARING AND OPERATING THE FLOOR MACHINE

PREPARATION OF MACHINE

- Grab the handle and tilt the machine backwards on its wheels (A).
- Wheel machine to place of work and plug in the power cord.
- Put the accessories, brush or pad driver with pad on the floor in front of the machine
- Tilt the machine backwards and move it over the brush or pad driver until the clutch plate and drive star are vertically aligned. Lower machine onto brush/pad driver.
- Squeeze the handle adjustment lever (5) and lower the handle (7) to a comfortable working position. Both arms should be extended comfortably (C).
- Align the machine horizontally over the brush/pad driver, press the dead man switch (4) and briefly press the brush motor trigger (2).
- The brush/pad driver automatically spins in place.

OPERATION OF MACHINE:

- Press the dead man switch (4) and briefly press the brush motor trigger (2). The motor starts.
- If you raise the handle slightly upwards, the machine moves to the right (D).
- If you lower the handle slightly, the machine moves to the left (D).
- If you keep the handle in its central position, the machine works on the spot and can also be moved straight forward or reverse

AFTER EACH USE:

- Squeeze the handle adjustment lever (5) and move the handle back into its vertical position.
- Then tilt the machine backwards onto its wheels (9). Remove brush / pad holder by rotating it clockwise.
- Unplug the power cord (18) and wind it around the handle (1) and cord wrap (8).

CLEANING with the solution tank

- For cleaning floors, the floor-machine can be equipped with the following accessories:
 - o Scrub brush or pad driver with pad
 - o Solution tank (13)
- Attach tank to handle (14).
- Slide the solution hose (12) onto the water connector (16).
- Fill the tank (13). Then attach the brush or pad driver with pad.
- Control the solution flow with the tank lever (15) by pulling the lever (15) upwards.
- Pick up the dirty solution with a wet/dry vacuum or auto-scrubber.

SHAMPOOING

- For cleaning floors, the floor-machine can be equipped with the following accessories:
 - o Solution tank (13)
 - o Shampoo brush or pad driver with respective pad
- The procedure is in principle the same as described under "Cleaning with the solution tank"
- Start the machine with a dry shampoo brush
- Meter a small amount of cleaning solution to the brush until the bristles are saturated with foam.

SHAMPOOING (cont.)

- Run the machine from right to left or vice-versa and back the other direction with an overlap of about a quarter of the strip already treated.
- Then run the machine in a spiral pattern over the shampooed area (both strips at the same time).
- During shampooing it is highly recommended to immediately remove the treated/ shampooed area a section at a time with an extractor.

ASSEMBLING THE SPRAYMASTER

- Attach the holder for the spray bottle to the handle (7) with the holder pointing upwards and to the left (view from the operator).
- Slide the spray can's tongue into the holder and turn the holder backwards until the ball catch engages.
- Then slide the spring clip over the handle.
- Attach the box on the right or left, as desired (H).
- Point the universal-jointed hose in the desired direction.

POLISHING WITH R44-450 / R44-DUAL-SPEED

- For polishing floors, the floor-machine can be equipped with the following accessories:
 - Pad driver with white pad for high speed polishing or buffing.
- Attach the pad driver with pad onto the machine.
- Start the machine.

STORAGE OF FLOOR MACHINE

This floor machine should be stored in an upright position. Objects should not be stored or stacked on top of unit.

Always store the floor machine in a dry, protected area at temperatures above freezing.

This unit should not be stored in vehicles or areas where extreme heat or cold occurs.

MAINTENANCE AND REPAIR

- Only do maintenance work described in this manual.
- Always use original spare parts.
- **WARNING!** Do not make any technical alterations to floor machine. This can put your safety at risk and will void the warranty.
- Always contact authorized service center or factory for other maintenance and repair work.

If you maintain the machine carefully it will stay in good working condition for a long period of time. Regularly check the machine for any wear and tear.

- Before cleaning or servicing the machine always turn off the brush motor and unplug the power cord.
- Don't damage the cord by driving over it, crushing or tugging it.
- Regularly check the power cord for signs of damage.
- When transporting the machine in elevators, always put the handle in straight-vertical position. The handle is automatically secured against recoil by the patented handle adjustment unit.
- Never use highly flammable, combustible, toxic, health-hazardous, corrosive or irritant substances.

WARNING

Always disconnect power cord before cleaning and maintaining the floor machine.

TROUBLESHOOTING

WARNING

Service and repairs should only be performed by authorized personnel.

Symptom: Machine does not run! No power to the machine!

Problem: Machine not plugged in.

Solution: *Plug machine into power outlet.*

Problem: Blown fuse/circuit breaker in the building / room has tripped.

Solution: *Replace fuse with the same rating. Reset circuit breaker. Make sure no other appliances are connected on the same circuit as the machine. The machine requires a dedicated 15 amp circuit.*

Problem: Power supply interrupted.

Solution: *Have power supply checked by authorized technician.*

Problem: Frayed cord, damaged plug or loose internal wiring.

Solution: *Have an authorized service technician check cord and replace if necessary. Have an authorized service technician open switch panel and check for loose wire connection.*

Symptom: Poor cleaning performance!

Problem: Worn brush or pad.

Solution: *Replace brush or pad.*

Problem: Improper chemical for cleaning job or improper dilution.

Solution: *Change chemical or adjust dilution.*

Symptom: Brush motors will not run!

Problem: Fuse blown or circuit breaker in the building / room tripped.

Solution: *Replace fuse with the same rating. Reset circuit breaker. Make sure no other appliances are connected on the same circuit as the machine. The machine requires a dedicated 15 amp circuit.*

Problem: Faulty dead-man switch or brush motor trigger.

Solution: *Have an authorized service technician replace switch or switches.*

Problem: Loose wiring.

Solution: *Have an authorized service technician trace and repair.*

Problem: Faulty motor.

Solution: *Have an authorized service technician replace motor.*

Konformitätserklärung
R44 - 180 / 450

Declaration of Conformity
R44 - 180 / 450

Déclaration de Conformité
R44 - 180 / 450

Wir Cleanfix Reinigungssysteme AG Stettenstrasse CH-9247 Henau	We Cleanfix Reinigungssysteme AG Stettenstrasse CH-9247 Henau	Nous Cleanfix Reinigungssysteme AG Stettenstrasse CH-9247 Henau
erklären in alleiniger Verantwortung dass das Produkt,	declare under our sole responsibility that the product	déclarons sous notre seule responsabilité que le produit
Einscheibenmaschine	Single disc abliance	Monobrosse
Cleanfix R 44-180 / R 44-450	Cleanfix R 44-180 / R 44-450	Cleanfix R 44-180 / R 44-450
ab Seriecode Nr 7808 und folgende (Bezeichnung, Typ, Seriennummer)	from serial code No. 7808 and following (name,type, serial number)	de No. de code de serie 7808 et suivantes (nom, type, no. de serie.)
auf das sich diese Erklärung bezieht mit der/den fogenden Norm(en) oder normativen Dokument(en) übereinstimmt.	to which this declaration relates is in conformity with the following standard(s) or other normative document(s)	auquel se réfère cette déclaration est conforme à la (aux) norme(s) ou autre(s) document(s) normatif(s)
EN 60 335-2/67 1994 ; EN 60 335-1.2/1988 EN 55104/1995; EN 55 014/1995; EN 60355-2-10/82 (Titel und/oder Nummer sowie Ausgabedatum der Norm(en))	EN 60 335-2/67 1994 ; EN 60 335-1.2/1988 EN 55104/1995; EN 55 014/1995; EN 60355-2-10/82 (title and/or number and date of issue of the standard(s))	EN 60 335-2/67 1994 ; EN 60 335-1.2/1988 EN 55104/1995; EN 55 014/1995; EN 60355-2-10/82 (titre et/ou no. et date de publication de la (des) norme(s))
Gemäss den Bestimmungen der Richtlinien: 73/23/EWG 89/336/EWG 89/392	following the provisions of Directive 73/23/EWG 89/336/EWG 89/392	conformément aux dispositions de Directive 73/23/EWG 89/336/EWG 89/392
Henau 20.02.98 (Ort und Datum der Ausstellung) Roland Flück Cleanfix Reinigungssysteme AG CH-9247 Henau (Name und Unterschrift)	Henau 20.02.98 (Place and date of issue) Roland Flück Cleanfix Reinigungssysteme AG CH-9247 Henau (name and signature)	Henau 20.02.98 (Lieu et date) Roland Flück Cleanfix Reinigungssysteme AG CH-9247 Henau (nom et signature)

Konformitätserklärung
R44 - Duo-Speed

Declaration of Conformity
R44 - Duo-Speed

Déclaration de Conformité
R44 - Duo-Speed

Wir Cleanfix Reinigungssysteme AG Stettenstrasse CH-9247 Henau	We Cleanfix Reinigungssysteme AG Stettenstrasse CH-9247 Henau	Nous Cleanfix Reinigungssysteme AG Stettenstrasse CH-9247 Henau
erklären in alleiniger Verantwortung dass das Produkt,	declare under our sole responsibility that the product	déclarons sous notre seule responsabilité que le produit
Einscheibenmaschine	Single disc abliance	Monobrosse
Duo Speed	Duo Speed	Duo Speed
ab Seriecode Nr 7944 und folgende (Bezeichnung, Typ, Seriennummer)	from serial code No. 7944 and following (name,type, serial number)	de No. de code de serie 7944 et suivantes (nom, type, no. de serie.)
auf das sich diese Erklärung bezieht mit der/den fogenden Norm(en) oder normativen Dokument(en) übereinstimmt.	to which this declaration relates is in conformity with the following standard(s) or other normative document(s)	auquel se réfère cette déclaration est conforme à la (aux) norme(s) ou autre(s) document(s) normatif(s)
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KONFORMITÄTSERKLAERUNG

DECLARATION OF CONFORMITY

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Einscheibenmaschine	Single disc appliance	Monobrosse
Powerdisc / Powerdisc 400	Powerdisc / Powerdisc 400	Powerdisc / Powerdisc 400
ab Seriencode Nr 8410 und folgende (Bezeichnung, Typ, Seriennummer)	from serial code No. 8410 and following (name, type, serial number)	de No. de code de serie 8410 et suivantes (nom, type, no. de serie.)
auf das sich diese Erklärung bezieht mit der/den folgenden Norm(en) oder normativen Dokument(en) übereinstimmt.	to which this declaration relates is in conformity with the following standard(s) or other normative document(s)	auquel se réfère cette déclaration est conforme à la (aux) norme(s) ou autre(s) document(s) normatif(s)
EN 60335-1 (ed.3);am1;am2, 60334-2-67(ed2);am1 EN60355-1:94+A1:96+A12:96+A13:98+A14: 98+A15:00+A2:00+A16:01,EN60355-2-67:98+A1:00 EMC:CISPR 14-1:00+A1:01,CISPR 14-2:01, ICE61000-3-2:00,IEC61000-3-3:94+A1:01, EN55014-1:00+A1:01,EN 55014-2:97+A1:01, EN61000-3-2:00, EN 61000-3-3:95+A1:01	EN 60335-1 (ed.3);am1;am2, 60334-2-67(ed2);am1 EN60355-1:94+A1:96+A12:96+A13:98+A14: 98+A15:00+A2:00+A16:01,EN60355-2-67:98+A1:00 EMC:CISPR 14-1:00+A1:01,CISPR 14-2:01, ICE61000-3-2:00,IEC61000-3-3:94+A1:01, EN55014-1:00+A1:01,EN 55014-2:97+A1:01, EN61000-3-2:00, EN 61000-3-3:95+A1:01	EN 60335-1 (ed.3);am1;am2, 60334-2-67(ed2);am1 EN60355-1:94+A1:96+A12:96+A13:98+A14: 98+A15:00+A2:00+A16:01,EN60355-2-67:98+A1:00 EMC:CISPR 14-1:00+A1:01,CISPR 14-2:01, ICE61000-3-2:00,IEC61000-3-3:94+A1:01, EN55014-1:00+A1:01,EN 55014-2:97+A1:01, EN61000-3-2:00, EN 61000-3-3:95+A1:01
(Titel und/oder Nummer sowie Ausgabedatum der Norm(en))	(title and/or number and date of issue of the standard(s))	(titre et/ou no. et date de publication de la (des) norme(s))
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Henau 20.02.98	Henau 20.02.98	Henau 20.02.98
(Ort und Datum der Ausstellung)	(Place and date of issue)	(Lieu et date)
Roland Flück Cleanfix Reinigungssysteme AG CH-9247 Henau	Roland Flück Cleanfix Reinigungssysteme AG CH-9247 Henau	Roland Flück Cleanfix Reinigungssysteme AG CH-9247 Henau

New Machine Warranty



1. Limited Warranty. These terms and conditions of the New Machine Warranty are a material part of the agreement between Buyer and Cleanfix Cleaning Systems Inc., a New Jersey-based corporation (hereinafter "Cleanfix"), and supersede warranty terms and conditions in documentation submitted by Buyer to Cleanfix. Cleanfix warrants new machines of its manufacture against defects in material and workmanship under normal use and service to the original end-user purchaser. No person, agent, representative or distributor is authorized to give any warranties on behalf of Cleanfix, or to assume any other liability for Cleanfix in connection with any Cleanfix machine. Cleanfix reserves the right to make changes to its equipment without notice. The warranty coverage is subject to the conditions below.

2. Registration of Warranty. The warranty commences on the date of purchase by the original end-user from an authorized Cleanfix distributor or agent, subject to proof of purchase. The warranty commences latest, however, after six (6) months of the purchase date by the authorized distributor or agent of Cleanfix. Any new Cleanfix machine must be registered immediately with Cleanfix by the original end-user customer by fully completing and returning the warranty registration form to Cleanfix. If proof of purchase cannot be identified through a completed and returned warranty registration form, the warranty commences from the date of sale to the authorized Cleanfix distributor.

3. Warranty Coverage. Subject to conditions outlined below, Cleanfix warrants rotationally molded PE housings and tanks on all of its machines to be free from defects in material and workmanship, under normal use and service for ten (10) years to the original end-user.

Subject to conditions outlined below, Cleanfix warrants fiberglass housings and tanks on all of its machines to be free from defects in material and workmanship, under normal use and service for three (3) years to the original end-user.

Under this warranty Cleanfix warrants the performance of non-polyethylene and non-fiberglass components to be free from defects and workmanship for up to one (1) year to the original end-user. Parts replaced or repaired under this warranty are warranted for the remainder of the original warranty period. (See table below)

Rotationally molded PE housings and tanks	10 years
Fiberglass housings and tanks	3 years
Vacuum motors, brush motors, pump motors, boards and electronics	1 year
Battery and battery charger*	1 year

* The 1 year period warranty commences with the purchase date by the authorized distributor or agent of Cleanfix.

Service labor charges are covered for up to one (1) year from the date of purchase through an authorized Cleanfix service provider. A total maximum of one (1) hour travel time - equal to one (1) hour labor rate - is covered for large machines, namely Falcon, Raven, Eagle and larger for 90 days. No coverage is extended for diagnosis time.

4. Product Exceptions and Exclusions. ALL vacuum cleaners and air movers are warranted for one (1) year. No warranty is extended for wear items, accessories and attachments including, but not limited to, belts, brushes, pad holders, capacitors, carbon brushes, wheels, casters, glides, clutches, cords, filters, filter bags, gaskets, hoses, rectifiers, switches, float switches, valves, squeegees, bearings, pulleys, relays, actuating cables, wheels, tires, vacuum cleaner attachments.

The purchaser is assured that meticulous care has been exercised in the selection, assembling and testing of these parts and components before shipping. No warranty is extended for machine finish, labels and other cosmetic parts or features.

5. Stated Warranties. Stated warranties are in lieu of all other warranties, expressed or implied. Any statutory implied warranties, including any warranty of merchantability or fitness for a particular purpose, are expressly limited to the duration of the written warranty. Cleanfix will not be liable for any other damages, including but not limited to incidental, indirect or special consequential damages arising out of or in connection with the furnishing, performance, use or inability to use the machine, including damages to persons or property. This remedy shall be the exclusive remedy of the buyer. The warranty is limited to the warranty.

6. Warranty is null and void for the following.

- Damage, defects, malfunction or other failures caused by not using the electric current indicated on the spec plate, including the use of improper extension cords.
- Damage or defect caused by accident, misuse, neglect, abuse, fire etc., including use of incompatible or corrosive chemicals or overloading of capacity.
- Failure caused by lack of proper maintenance and care, including proper machine clean-up after use, proper charging procedures for batteries.
- Failure caused by loss, damage or removal of protective components, including, but not limited to, filters and filter screens, tank covers and lids, skirts and bumpers, float shut-off assemblies.
- Freezing of any water or chemical related components (this will void all warranties on water or chemical related components, internal or external, of the product).
- Deposits and buildup in any water or chemical related systems due to hardness in water (this will void all warranties on affected systems).
- Any design alterations, adjustments and/or repairs performed on the equipment by an organization not authorized or specified by Cleanfix.
- Use of any parts not approved by Cleanfix, including, but not limited to, batteries, battery charger, filter bags, belts, electric components, motors.
- Use of machine for a purpose other than which it was designed and intended, and use of machine in excess of design duration.
- Damage in transit.

7. Warranty Claim Procedure. If a difficulty develops during the specified warranty period, contact the authorized Cleanfix distributor/partner from whom the machine was originally purchased. Do not return any products to Cleanfix unless explicitly authorized by Cleanfix. Cleanfix may elect to require the return of the machine or component(s) to validate the claim. Any defective machine or component to be returned must be shipped freight pre-paid to an authorized Cleanfix distributor/service center.

Cleanfix will provide and charge for replacement parts, including shipping and handling, to the original purchaser through an authorized service center. If the part is returned within 30 days and is found defective, the purchaser will be credited for the cost of the replacement part including shipping and handling.

8. Term. This warranty is valid for all products sold after January 1, 2006. A product sold before that date will be covered by the limited warranty in effect at the date of sale to the original purchaser.