



EXCENTR 55-35 Single Disk Scrubbing Machine User Manual

[Home](#) » [EXCENTR](#) » EXCENTR 55-35 Single Disk Scrubbing Machine User Manual 



55-35 Single Disk Scrubbing Machine User Manual

Contents

- 1 EXCENTR 55-35 Single Disk Scrubbing Machine
- 2 INTRODUCTION
- 3 GENERAL DESCRIPTION
- 4 MACHINE OVERVIEW
- 5 INTENDED USE
- 6 TECHNICAL DATA
- 7 SAFETY
- 8 STORAGE
- 9 TRANSPORT
- 10 USE
- 11 MAINTENANCE
- 12 MALFUNCTIONS
- 13 GUARANTEE TERMS & CONDITIONS
- 14 REPAIR
- 15 END OF LIFE-SPAN
- 16 PARTS
- 17 EC CONFORMITY DECLARATION
- 18 Documents / Resources
 - 18.1 References



**GEBRUIKERSHANDLEIDING USER MANUAL
BEDIENUNGSANLEITUNG
EXCENTR 55-35**

Please read this manual carefully before using this product.

Specifications – Safety – Use – Maintenance

All people involved in commissioning, operation, maintenance and repair must be given –a copy of- these instructions!

Original user instructions in accordance with appendix 1, art.1.7.4. of the Machinery Directive 2006/42/EC.

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Excentr B.V. is a Dutch manufacturer of high-grade innovative floor preparation machines, products and concepts. Excentr B.V. is the developer of the Excentr method. The general terms of delivery and payment of Excentr B.V. are applicable to all our product and service deliveries.

ADDRESS

Design, Production, Sales en Service:
Excentr B.V.
Zinkstraat 59

PREFACE

This user manual has been compiled for all people involved in the machine's commissioning, operation and maintenance.

These people must:

- Possess the knowledge and qualifications needed to perform their tasks.
- Have read and understood this user manual.
- Comply with all stipulated safety instructions.
- If necessary, must possess sufficient, appropriate and good quality tools.

This user manual, the type plate and the safety stickers placed on the machine feature important safety-related information and are thus an integral part of the delivery. Store this user manual carefully and also supply it if the machine is sold to someone else.

INTRODUCTION

Congratulations on the purchase of this floor preparation machine that can be used to clean, strip, polish, sand and remove paint, coatings, glue residues, etc. You now possess a machine produced using the very latest technology, which you will be able to use for many years without malfunction, as long as you use it in the correct manner.

The purpose of this manual is to familiarize you with the operation, to instruct you on safe working practices, and to provide periodic maintenance guidelines. Make sure you are familiar with the contents of this user manual before you start working with the machine, so you can fully and safely use all of the machine's features.

This user manual, the type plate and the safety stickers placed on the machine feature important safety-related information and are thus an integral part of the delivery. If damaged or lost, they must be re-applied or supplied once again. These items can also be resupplied by your dealer.

The machine is delivered completely assembled and is ready to scrub/sand/polish. Make sure that you are experienced in doing these types of work before you start. Upon delivery you will get complete oral instructions on how to operate the machine, the safety instructions and the necessary maintenance. If this is not possible, then the buyer is responsible for the correct instruction.

The machine offers many possibilities to process a floor. Excentr offers various trainings to get the most out of the machine. Visit www.excentr.com for a training location near you.

GENERAL DESCRIPTION

The Excentr 55-35 is designed to easily clean edges, corners and smaller spaces. The 55-35 can also be used to strip or grind/polish parquet floors with the use of special pads (without use of chemicals!). The plastic bumpers on all sides enable you to accurately work in corners.

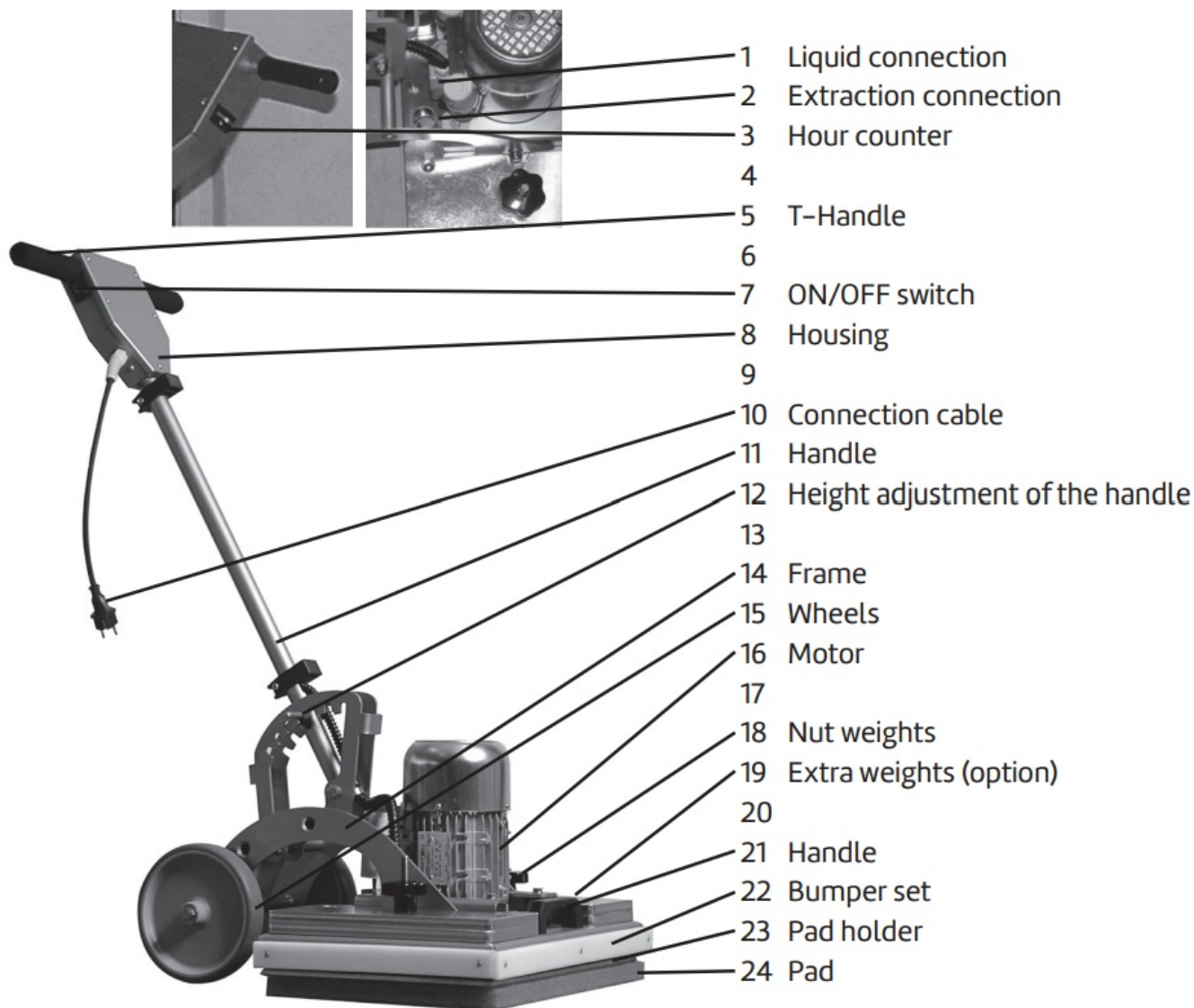
What makes the 55-35 unique is the so-called Excentr method: the high velocity of 2800 movements per minute. This results in an unmatched operation of the pad. The machine gives you the feeling that it 'floats' across the floor, which makes it easy and relaxed to handle the machine during operation.

The base of the machine is a robust stainless steel frame with a set of wheels to which the pad holder with vibrating rubbers is attached. A robust eccentric electro motor is attached to the frame and drives the pad holder. Extra weights have been applied on the machine to keep sufficient pressure on the pad.

To operate, a stainless steel handle with T-handlebar is installed on the frame and can be adjusted in 7 different positions, so the handle can be set to the correct height for each height requirement.

Two sturdy wheels have been installed as such that the lever action of the handle can tilt the machine backwards for easy movement.

MACHINE OVERVIEW



INTENDED USE

The Excentr 55-35 floor preparation machine is developed for:

- Cleaning
- Stripping
- Polishing
- Sanding
- Leveling
- Grinding

small and medium-size hard and watertight floor surfaces, with the use of the exchangeable pads and/or accessories that are applicable for a task. The duty cycle is 100% under normal use and in case of good workmanship. Manufactured in accordance with IP54 for use with (scrub) water.



WARNING!

Any use other than that mentioned above will relieve EXCENTR BV of all its responsibilities!

Use for other purposes has not been examined (yet) by Excentr. When considering other applications, please contact Excentr IN ADVANCE to discuss whether the machine is actually suitable.

During operation the person stands BEHIND the machine with both hands (loosely) on the T-handlebar.



WARNING!

The machine does NOT comply with the ATEX directive and this version may NOT be used in any such environment!

TECHNICAL DATA

5.1 Sizes and weights

Height:	1,25 m
Width:	0,70 m
Depth:	0,55 m
Weight:	ca 45 kg, basis machine (gene ballast)
Ballast:	standard 1 set (=12kg)max 6 sets (=72kg)
Voltage:	220V-240VAC @ 50Hz
Current:	max 8A (input)
Power:	1200W
Insulation:	Rim earthing
Insulation class:	IP54 (dust-tight /splash-proof)
Inclination:	Max 2%

5.2 Wear parts

Wear parts are components found inside the machine, which do not fall under the guarantee due to:

- Increased contact with the product.
- Normal wear by normal use.

The wear parts in this machine include:

- The rubber buffers
- The exchangeable pads
- The grip handle on the pad holder

5.3 Vibrations of hand-arm system

Avg. value: 2.6 m/s²

Max. deviation: 0.3 m/s²

Measurements made in threefold by an independent engineering agency.

5.4 Noise emissions

When the machine is operated the measured noise level is 72 dB(A). Experience shows that the noise emission of the machine depends heavily on the surface and space of operation. This can result in situations in which the noise level is significantly higher because of 'echo' sounds. Excentr therefore advises that you always have ear protection at your disposal.

From www.arboportaal.nl:

The danger of noise hearing impairment for employees begins at 80 dB (A). According to the Occupational Health and Safety Act the employer must provide hearing protection above this value. At 83 dB(A) an employee may only work four hours without hearing protection, at which there may be no unacceptably high risk of hearing damage. In the remaining 4 hours there may no longer be any high noise levels. It is mandatory for an employee to use ear protection if the average daily dose is higher than 85 dB(A).

SAFETY

6.1 General

Next you can see the labels that have been applied on the machine.

Make sure that the workplace is always well illuminated; possibly install extra temporary (construction) lighting to retain a clear overview.



WARNING!

Almost all accidents can be attributed to: loss of concentration, carelessness, negligence or errors in judgment! Work calmly and in a concentrated manner: You have been warned!

All people who are involved with installation, commissioning, operation, maintenance and repairs must:

- Have the level of knowledge and qualifications required for their task.
- Have read and understood this user manual.
- Comply with all indicated safety instructions.
- If necessary, must possess sufficient, appropriate and good quality tools.



WARNING!

There is immediate risk of physical injury and/or damage to machines and the environment if the machine is used by inexperienced and/or unqualified persons. Keep observers at a safe distance when work is being carried out!



PLEASE NOTE:

Regular inspection and structural preventive maintenance reduces the risk of malfunctions during operation.

6.2 Specific



PLEASE NOTE:

For each type of repair you must always disconnect the machine's cable plug from the wall outlet.

This Excentr floor preparation machine must NOT be used for cleaning floors that emit substances which pose health risks for the operator, bystanders or the environment!

If used, always find out if the underfloor is suitable for treatment with the Excentr 55-35. When in doubt, always consult Excentr or your supplier for information.



PLEASE NOTE:

Check that the switch is in "OFF" position before you put the plug in the wall outlet!

Use caution when moving the machine on stairs/ steps.



PLEASE NOTE:

The machine comes with an extension cord, which may not be extended any further with an extra extension cord.

Never move over the extension cord.

In case you do move or scrub over the cable by accident: Turn off the machine and remove the plug from the wall outlet. Carefully check the cable for damage. (Water can even intrude through tiny damages!)

TAKE NOTE!! Risk of electrical shock!

This machine is NOT SUITED to operate fully immersed in water This can result in life-threatening situations.



PLEASE NOTE:

The machine should only be used with earthed sockets and earth leakage circuit breaker.

Use of the floor preparation machine is subject to current regulations for safety and working conditions. In addition to the provisions in this manual, the generally accepted health and safety regulations for safe and professional work apply as well. Any improper operation must be avoided.



TAKE NOTE!

You are working with an electrical machine and (scrub) water. Make sure that the earthing and circuit breaker function properly! Make sure that you do not use any damaged cables! Preferably wear shoes with rubber soles!

Within the warranty period, only Excentr B.V. certified technicians may perform repair work on the machine.



PLEASE NOTE:

First remove the plug from the socket before you change accessories or attachments!



PLEASE NOTE:

Keep a minimum distance of 2 m from a (swimming) pool edge, pond or open water!

STORAGE

The following actions are recommended if the machine has not been used for an extended period of time:



TAKE NOTE!

Always be careful with bearings when using a sprayer/blower to clean the machine!

- Clean the machine with a damp cloth.
- Perform maintenance.
- Possibly apply a preservative.
- Store the machine in a dry and frost-free location.

TRANSPORT

First remove all installed ballast plates. The basic machine weighs approximately 45 kg and must be lifted by two persons. The machine must be transported in upright position, preferably with the handle in the top-most position:

- Use your foot to push the locking pin out of the recess at the bottom of the handle;
- Adjust the handle – with locking pin pressed – to the top-most position;

- Release the locking pin so it falls in the last recess.



TAKE NOTE!

When transporting on a always secure the machine by attaching lashing straps.

USE

9.1 Checks before you start

You are working with (scrub) water and a 220 V machine. Make sure that:

- The mains voltage is 220 V
- The earth connection functions properly
- A GFCI (Ground Fault Circuit Interrupter) is installed.
 - Check the cables for damage: both the short power cable as well as the extension cord! If you detect any deviations: solve these first before you start to work!
 - Before starting treatment with the Excentr 55-35, examine the floor on colour and shape retention.
 - Before you start, check if the correct pad for the job is attached.
 - Check that at least one set of weights is installed, but no more than six sets!
 - The number of weights on the left and right-hand side of the motor must be equal!

9.2 Accessories

Turn the machine OFF and remove the plug from the wall outlet before you install/adjust accessories.

9.2.1 Liquid suction nozzle

- Install the container installation for the adjustment unit.
- Put the suction nozzle in the container installation.
- Attach the suction hose to the WD 72-2 dust and water extractor.

Never suck up hot and flammable liquids, this is dangerous!

9.2.2 Shrub tank

- Install the shrub tank to the handle.
- Put the hose on the connection of the pad holder.
- Fill the tank with cleaning agent.
- Set the dosage.

Carefully read 9.2.3!

9.2.3 Use of cleaning agents

When you use cleaning agents, pay special attention to the use instructions mentioned on the labels. Use only low-foam cleaning agents that do not have any combustible components added to it and raw materials that can pose a health risk. Also, the use of cleaning products that contain toxic, irritating or skin-damaging substances are subject to hazards. Cleaning agents which contain solvents that can corrode plastics, can also damage parts of the machine.

9.3 Lets go!

- Roll the machine to the place where it is going to be used.
- Check the ON/OFF switch is switched OFF.
- Insert the extension cable in the machine plug and in a properly grounded wall socket.
- Tilt the machine on its handle and wheels for easy mounting of the accessories.
- Turn the machine in upright position: on the wheels and the pad.
- Push with your foot on the locking pin for adjusting the T-handle back into the working position. Release the locking pin in a slot to fix the position.
- Power switch ON: the motor starts and the pad starts working.
- During work the machine can moved in all directions easily and with little force. Work in long tracks up and down, not in short back-and-forth-going movements.
- If your machine is equipped with a liquid tank, supply extra water by lifting the lever.
- Always turn the machine OFF immediately when you quit working, else the floor can be damaged. Take the plug out of the socket.

MAINTENANCE



PLEASE NOTE:

Regular checks and structural preventive maintenance reduces the likelihood of malfunctions during operation.

10.1 Lubricants

A can of WD-40 is the only necessary lubricant for maintenance.

10.2 Maintenance schedule

10.2.1 Daily (before starting work)

- Check the cables for damage.

Repair damaged cables first before starting work!

- Check the pad for wear. A worn pad can reduce the working speed.
- After using chemical cleaning agents, clean the machine with a moist damp cloth in order to avoid that chemical agents corrode any stainless steel parts.
- Check for loose bolts/nuts.

10.2.2 Monthly

- Spray WD-40 on the handlebar adjustment mechanism for smooth adjustments.
- Check the grip surface under the pad holder if it still has sufficient grip for the pad.
- Check the vibration rubbers for tears.

10.2.3 Yearly

- Make sure that the mandatory – Occupational Health and Safety Act – safety inspection (NEN 3140) for electrical tools is done.

Tightening torques for bolts:

M8x1,25-8.8	25 Nm
M10x 1,5-8.8	50 Nm
M12x1,75-8.8	90 Nm
M16x2,0-8.8	220 Nm



10.3 Pad replacement

If the working speed reduces, or the result becomes less, then the pad may be severely soiled or worn and should be replaced. The pad is attached to the eccentric plate with Velcro. Do the following steps:

- Turn off the machine.
- Remove the plug from the socket.
- Set the handle with T-handlebar to the highest position.
- Tilt the machine backwards so that the handlebar is on the floor and the pad is vertical.
- Pull the pad from the eccentric plate.
- Attach the new pad carefully to the eccentric plate and then push it firmly in place.
- Put the machine in upright position again.
- Put the plug in the socket.
- Turn the machine on and you are ready to work again.

MALFUNCTIONS

1. The machine does not start:
 - Check the earth leakage circuit breaker.
 - Check the power supply.
 - Check the cables for damage.
 - Contact your supplier.
2. The machine makes a rattling sound:
STOP IMMEDIATELY! CHECK FIRST!
 - A nut has vibrated loose from the ballast plates.
 - A rubber from the pad holder is loose.
 - The eccentric bearing is worn.
3. The adjustment mechanism of the handle does not work:
 - The locking pin is bent.
 - The spring is broken.

GUARANTEE TERMS & CONDITIONS

The machine is subject to a guarantee period of 6 months after delivery, in accordance with Metaxalone conditions. These conditions stipulate that, within this period, only equipment and manufacturing errors will be repaired free of charge, AFTER BEING EVALUATED BY EXCENTR. Transport and or travel costs must be paid by the customer.

GUARANTEE CANNOT be provided for defects caused if:

- The machine has demonstrably been overburdened.
- The machine has been used for purposes for which it was not constructed.
- The maintenance has been performed demonstrably badly.
- The information from this manual has not been properly complied with.
- The machine has been used by unauthorized persons.
- The machine has been repaired using parts which are not original.
- The machine has been modified without written consent from DEHACO.

GARANTEE CANNOT be provided for wear parts, as mentioned in chapter 5.

REPAIR

The machine has a simple structure and on the website you can find part drawings. Repairs may only be done by qualified, experienced staff! Comprehensive repair instructions have not been included in this user manual, but you can always contact EXCENTR for any questions or professional repairs.

END OF LIFE-SPAN

You must always comply with the current and local requirements in force and the guidelines of safe work and responsible disposal!

If the machine has reached the end of its technical life-span after long-term use, then follow the procedure below so it can be processed in a responsible manner:

- Clean the machine.
- Disassemble electrical components. They can be disposed of separately.
- Disassemble plastic components; they can be disposed of separately.
- The remaining components are made of steel and can be scrapped.

Vlog de richtlijnen van ECMR (European Cleaning Machines Recycling), zie www.ecmr.nu

PARTS

The parts list can be found at the website www.excentr.com

All parts are in stock at and can be delivered –mostly- within 24 hrs. Please contact your dealer or Excentr to place orders and to check delivery times! You need the serial number of the machine when ordering parts.

EC CONFORMITY DECLARATION

IN ACCORDANCE WITH APPENDIX IIA OF THE MACHINERY DIRECTIVE 2006/42/EC

We,	Excentr B.V. Zinkstraat 59 NL 4462 HB Goes
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Declare entirely under our own responsibility that the product:

Brand:	Brand:
Machine:	Machine:
Type:	Type:

To which this declaration applies, meet all stipulations in the following directives:

Machinery Directive	2006/42/EG
Low Voltage Directive	2014/35/EU
EMC richtlijnen	2014/30/EU

and in conformity with the following standards and/or other normative documents:

NEN-EN-1050:1997	Risk reduction
Drawn up in:	Goes 15-12-2015

Excentr b.v.
R. Meeuwse, director







EXCENTR METHODE DE TECHNIEK VAN DE TOEKOMST
ZINKSTRAAT 59 / 4823 AC BREDA
+31 (0)88 1700 601 / INFO@EXCENTR.COM
WWW.EXCENTR.COM

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EXCENTR 55-35 Single Disk Scrubbing Machine, EXCENTR 55-35, Single Disk Scrubbing Machine, Scrubbing Machine, Machine

References

-  [Excentr – Excentrische Schoonmaak!](#)
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