

STAMA ECO WEEDKILLER

Garden

Manual

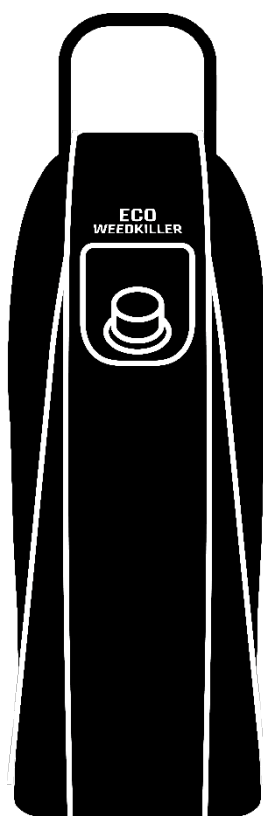


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Registration of Use

GMR maskiner a/s manufactures quality machines for professional users.

The warranty period on our machines is 12 months from the purchase date, and covers any material or manufacturing defects.

Any parts that have suffered damage as a result of material and production faults will be replaced by GMR maskiner a/s at no charge.

Compensation will not be given for consequential damage or wearing parts.

PLEASE NOTE!

To maintain warranty, the Dealer is obliged to fill in and return the "Registration for use" below to GMR maskiner a/s, not later than one month after delivery to the end user.

A condition for any processing of claims is that this "Registration for use" is submitted timely.

This can be done on our website at www.gmr.dk

or by filling in and forwarding or scanning the form below to:

GMR maskiner a/s
Saturnvej 17
DK-8700 Horsens
stensballe@gmr.dk

Registration for use:

Machine number	
Model	
Delivery date	
End user	
Address	
Dealer	

Declaration of Conformity

Manufacturer
EWK Finland Oy
Venakontie 4
74130 Iisalmi
Finland
Business ID: FI31531998

hereby declares that the product: **ECO WEEDKILLER**
Model: GARDEN

Serial numbers starting from 10000→

Is in accordance with the following Directive(s):

Low Voltage Directive LVD 2014/35/EU

SFS-EN 60335-1: Household and similar electrical appliances - Safety - Part 1: General requirements

SFS-EN 60529

Electrical Safety Act 1135/2016 (LVD)

EMC -directive 2014/30/EU

RoHS -directive 2011/65/EU

The Person Responsible of the Technical File:

Janne Hakkarainen
Mechanical Designer
Venakontie 4, 74130 Iisalmi

Place and date: Iisalmi, Finland, 2.1.2020

Signature: _____



Marko Laakkonen
CEO

ECO
WEEDKILLER
For Better Landscaping

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1. Introduction

This manual has been translated from the original Finnish manual.

This manual contains information for the user of the hot water weed controlling machine Eco Weedkiller, model Garden. There are two options available: 3 kW and 2 kW version, depending on the country (rated current 16 A or 10 A).

In the following pages we intend to give clear instructions on how to operate and maintain the product correctly and safely. Read this manual before using the product.

Do not modify the product without consulting the manufacturer or the dealer first! Any unapproved changes may lead to unsafe situations and to expiration of warranty.

2. Product information and safety devices

2.1. Product information

Eco Weedkiller Garden is designed to be used as hot water weed controlling device.

The weed controlling is accomplished with the hot water generated by the device. Hot water is generated by electrical heating element inside the device. Usual applications are gardens, stone paving's, terraces, and other places where weed controlling is required. The device is designed for outdoor use only.

2.2. Safety devices

The device has been equipped with different safety devices, which improve safety. **Do not adjust, alter or remove any of them.**

- Safety valve: prevents the pressure from increasing over the adjusted limit
- Thermostat: prevents the water and heating element from over heating
- Pressure lock: prevents the safety cap to be opened when pressure tank is under pressure
- Cover and protection sleeve: prevent direct contact with hot surfaces

3. Safety levels

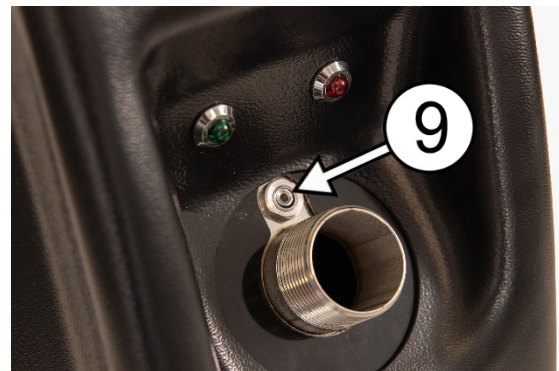
DANGER! Notification on immediate danger that can cause a serious body damage or lead to a death.

WARNING! Notification on possible danger that can cause a serious body damage or lead to a death.

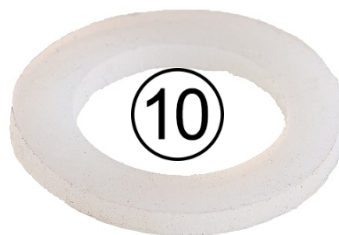
LOOK OUT! Notification on possible danger that can cause minor damage.

NOTE! Notification on possible danger that can cause material damage.

A



EWK FINLAND OY		
www.ecoweedkiller.com		
Hot water weed controlling device		
Product	Serial Number	
Eco Weedkiller Garden	10260	
Model	Production Date	
EWK25-GARDEN	02 / 2021	
Max Pressure	Voltage	IP-classification
1 bar	230 V - 50 Hz	IP44
Manufacturer		Rated Power
EWK FINLAND Oy		3 kW / 14A
Venokantie 4, 74130 Iisalmi, Finland		



B

**ECO
WEEDKILLER**
Garden

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www.ecoweedkiller.com

Eco Weedkiller, FINLAND

4. Overview

Overview pictures: see picture A

1. Cover
2. Safety cap
3. Indicator light
4. Treatment lance
5. Power plug
6. CE-sticker
7. Quick start instruction sticker
8. Alignment slot in safety cap
9. Pressure lock (under the safety cap)
10. Replacement sealing for safety cap
11. Warning sticker:

DO NOT OPEN OR TRY TO OPEN THE CAP WHEN THE DEVICE IS HOT OR WARMING UP!

5. Operation

5.1. Safety statements

Before working with the product, please read the following safety statements carefully:

- | | |
|-----------------|---|
| DANGER! | The device produces boiling hot water. If splashed on, the boiling water will cause serious burns. Follow the instructions in this manual to ensure safe operation of the device! |
| DANGER! | Do not remove any safety guards when working with the machine or when power is on! This may lead into an electrical shock! |
| DANGER! | Do not make any changes is wiring of the product! This may lead into an electrical shock! Always use the help of professionals when doing maintenance on electrical components! |
| DANGER! | Do not work with faulty product! If some problems occur, contact the dealer for technical support! |
| WARNING! | Always read this manual before working with the machine! Make sure the person using this product has read this manual and understands it. If uncertain, contact the dealer for technical support. |
| WARNIGN! | Never open or attempt to open the cap when the device is hot or warming up! |
| WARNING! | Out coming water is hot, risk of serious burns! Do not point water stream into people, animals, electrical equipment or the product itself. |

- WARNING!** Always completely fill the device with water before heating it. If the device is heated without water or with too little water, it will overheat and be damaged. Fire hazard!
- LOOK OUT!** If the safety cap is not tightened properly, or it is misaligned, there may be some steam coming from under the cap when device is heating / hot. Tighten the cap until steam is no longer leaking.
- LOOK OUT!** If the pressure inside the device increases too much, the excess pressure is released through the safety valve. During that there might be some steam coming out under the machine and a loud rustle noise be heard. This is completely normal function of that safety valve.
- LOOK OUT!** The use of gloves is recommended.
- NOTE!** Do not use sea water or salted water! Always prefer clean or filtered water. The use of surface or collected water is allowed but filtering is recommended.
- NOTE!** Do not add any chemicals or substances into the tank!
- NOTE!** Do not re-heat the water before the tank is filled again.
- NOTE!** The device is heavy, follow extreme caution when moving with the device.
- NOTE!** If the use of extension cord is required for powering the product, make sure it is suitable for rated current (16 A or 10 A, check products CE-sticker and chapter 9. Technical data). If uncertain, contact the dealer for technical support.

5.2. Step by step operation instructions

To operate the device, follow these step-by-step instructions below. See also the quick start instruction sticker.

- STEP 1:** Open the safety cap and add water until the tank is completely full. Use clean/filtered water. **Do not use sea water!** Tank is full when the water level is clearly seen from the filling neck. If tank is overfilled, excess water will leak out of the pressure lock and the filling neck (picture A, no. 9).
- STEP 2:** Insert and tighten the safety cap. Make sure that one of the alignment slots are aligned like in picture A, no. 8. One of the slots should be pointed directly downwards.
- STEP 3:** Insert power plug to socket. Heating will automatically start. Red light indicates that heating is on, green indicates that the power plug is inserted, and power is on. If the use of extension cord is required to power the product, make sure it is suitable for rated current (see chapter 9. Technical data).

If steam is leaking under the safety cap when the device is heating, slightly tighten the cap. If this doesn't help, remove power plug from socket and wait until the device is cooled down. Then tighten the cap and repeat step 3 and continue to steps 4 and 5.

WARNING! Never open or attempt to open the cap when the device is hot or warming up!

- STEPS 4 & 5:** Device is ready to operate when red light goes off. When that happens, disconnect the power plug from the socket and coil the cord so that it's not in a way when moving or working with the device. **Never do weed controlling when the power plug is inserted. This may damage the heating element! Always disconnect the power plug before going to work!** The device will automatically keep the water at boiling temperature when heated for long periods of time. Heating will automatically go on and off if required.
- STEP 6:** Transfer the device to area where weed controlling needs to be done. Take out the treatment lance and point the head into weeds. Press the trigger gun and the water will flow out of the lance.

5.3. Water temperature

Out coming water will sizzle and steam. That is normal when the water is at boiling point. If the water is not steaming or sizzling, that means the water is too cold to be used at weed controlling. Re-fill the device before re-heating it.

5.4. Re-filling the device

Before the device can be re-filled, the device must be allowed to release the pressure inside the tank.

The safety cap is designed to be locked when there is pressure inside the device. Do not try to force the cap open when the device is hot! When the device cools down, the pressure decreases, and the safety lock will open unlocking the safety cap. Then the device can be re-filled.

When the tank is empty, follow the instructions above to start working again.

5.5. Decalcification

To ensure long-term functionality, you should decalcify the device 1-4 times a year depending on how much the device is used. To decalcify, fill the tank with water, add antiliming agent as instructed and let it sit for about one hour. Then empty the tank and rinse it with clean water.

As limescale builds up in the appliance, the pressure lock function may be impaired. Check that the pressure lock moves freely and returns to the down position when the appliance is cold.

NOTE! Do not heat the device with the antiliming agent!

6. Storage and maintenance

Storage the device protected from rain in a dry place, preferably under shelter or a storage unit. For long time storage, for example wintertime storage, empty the tank. Cover may be cleaned using a moist cloth.

It is recommended to use the genuine Eco Weedkiller spare parts, which can be purchased from your local re-seller. See chapter 10. Technical support and spare parts. When doing maintenance on electrical components, always use the help of professionals!

7. Troubleshooting

DANGER! Risk of electrical shock! Power plug must be disconnected before any work on the device. Use the help of professionals when doing maintenance on electrical components!

- ☐ Heating doesn't work, water doesn't get hot
 - Make sure there is enough water
 - Make sure the power plug is connector into socket
 - Make sure that the socket works and gives power
 - Make sure the power chord is not damaged
- ☐ Water flow decreases / No water coming out
 - Make sure the water inside the tank is hot
- ☐ A lot of steam is coming under / between the safety cap
 - Tighten the cap and make sure the alignment slot is according to chapter 4, no. 9.
 - Check the condition of sealing ring from safety cap. Replace if needed.
 - If steam is still leaking, contact the dealer for technical support.

WARNING! Never open or attempt to open the cap when the device is hot or warming up!

8. Conservation of the environment



The packaging materials are recyclable. Make sure to recycle them accordingly.



Used device contains precious recyclable materials, which are to be recycled accordingly. Dispose old device ecologically.

9. Technical data

Power connection

Rated power	3 kW or 2 kW	(check CE-sticker)
Voltage	230 V ~ 50 Hz	
Rated current	14 A or 9 A	(check CE-sticker)
IP code	IP44	
Protection grade	I	
Water quantity	25 l	
Max temperature for water	+ 105 °C	
Max pressure	1 bar	
Flow	2-2,5 l / min	

Dimensions

Length	40 cm
Width	40 cm
Height	118 cm
Empty weight	26 kg
Weight with water	51 kg

Extension cord requirements

Eco Weedkiller Garden rated current:	Extension cord rated current:
14 A	min. 16 A (3 x 2,5 mm ²)
9 A	min 10 A (3 x 1,5 mm ²)

10. Technical support and spare parts

Technical support and Genuine Eco Weedkiller spare parts are available at your local Eco Weedkiller dealer:

Customer services and claims

Service

It is the dealer's responsibility to deliver the machine (and assemble if required), to start it on delivery or first use, and to instruct the operator about the use and maintenance of the machine (including tightening nuts and bolts).

The dealer is also obliged to make sure that the user manual and spare parts list is delivered to the customer and that the registration for use is completed correctly and sent to GMR maskiner a/s no later than 1 month after delivery to the user. (See page 3)

Claims

The warranty period on STAMA is 12 months from the purchase date, and covers any material or manufacturing defects. These parts will be replaced by GMR maskiner a/s free of charge. Consequential damage and wear and tear will not be replaced.

Any components which are not manufactured by GMR maskiner a/s are included under the terms of the warranty to the extent authorised by the supplier of the parts in question.

GMR maskiner a/s reserves the right to assign a claim of this kind to the relevant supplier and not to reach a decision until the relevant supplier has responded.

The following must be observed when working on a claim:

- report the claim to GMR maskiner a/s before the repair is started
- agree a time period with GMR maskiner a/s for qualified technicians to carry out the repair
- any labour costs will only be approved at a fixed net price.

If GMR maskiner a/s has not authorised repair work in advance, any invoice submitted for repair work will not be approved.

At GMR maskiner a/s' request, before the claim can finally be handled, any parts that were replaced must be sent carriage paid to the factory.

GMR maskiner a/s retains the exclusive right to determine the extent to which a part shall be replaced or repaired.

Customer services and claims

The warranty does not cover:

- normal wear and tear or damage which has resulted from inadequate maintenance.
- damage caused by collision.
- non-compliance with the product's technical specifications or if the product is used for a purpose other than that described in the ser manual.

If the product is altered or if non-original spare parts are used, all rights under the warranty will be rendered void.

The purchaser does not have the right to require that design changes on future models are implemented in a pre-existing machine.

In the event of a complaint

Complaints must be registered directly with GMR maskiner a/s. Complete a complaint report, stating the machine type, production number and date of its delivery to the customer, and send it to us. This is done via the dealer login on our website www.gmr.dk. If questions arise about claims on imported machines, we reserve the right to present the claim to the manufacturer before making any decision about whether the claim can be accepted.

Our machinery is subject to the EC Machinery Directive and quality assured within the European Union. We make every effort to comply with these requirements and do our utmost to supply high quality machinery.

Horsens, 01.06.2017
GMR maskiner a/s



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DK-8700 Horsens
www.gmr.dk