

Instruction manual

EN

GH25MA, GH50MA



Original instruction manual

*Device image is illustrative and may not reflect the actual image of the supplied device

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WARNING

Read this original user manual and the accompanying safety instructions before using your new device for the first time. Act on them. Keep the instructions for possible later use or for the next owner of the device.

Use of the product as intended

This heater can be used:

- for washing machinery, vehicles, buildings, tools, facades, terraces, garden tools, etc., together with a high-pressure jet of water (**WARNING: THE WATER TEMPERATURE MUST BE ADJUSTED ACCORDING TO THE HEAT TOLERANCE OF THE WASHED SURFACE**);
- with accessories and spare parts approved by Waspper s.r.o.
- In environments where the device will not be exposed to direct exposure to splashes of dirty water with solid particles.
- The equipment must be stored in a weatherproof environment.
- The device must be used in a well-ventilated room (do not cover the device during operation)
- Maintenance and repair of equipment can only be carried out by a specialized technician (during the connection of equipment to the network, it is forbidden to do maintenance or repair of electrical parts of the equipment)
- The device must not be towed or otherwise manipulated by means of cables or hoses connected to the device)
- The device must not be turned off by pulling the power cord away from the plug
- The device must not be used if the power cord is damaged
- Do not place heavy loads on the device
- Do not overlap the chimney of the device

Environmental protection



Packaging materials are recyclable. Dispose of packaging according to ecological principles.

Old machines contain valuable recyclable substances that should be recovered. Old appliances must be disposed of ecologically.

Cleaning work generating oil-containing effluents, e.g. cleaning the engine, cleaning the floor of machinery, may only be carried out in washbasins with oil separators. Work with detergents can be carried out only on work surfaces sealed against leakage of liquid and with connection to the sewer system for dirty water. Prevent detergents from leaking into water sources or soil.

Safety instructions

Before using this device for the first time, it is imperative to read the attached "Safety instructions for the heater". For hearing and eye protection, it is advisable to use protective equipment for noise attenuation and eye



protection during operation of the cleaner.

Before starting, it is imperative to check the tightness of the fuel system and the integrity of the battery's electrical cables.

Degrees of danger



HAZARD - Warning of imminent danger that may cause serious injury or death.



WARNING - Warning of a potentially dangerous situation that could lead to minor injuries.



CAUTION - Warning of a potentially dangerous situation that could lead to material damage.

Security features



WARNING - Safety features serve to protect the user from injury and must not be changed or reinforced. In case of damage, they must be replaced only with the original part.



Guards for hot or rotating parts

Protective covers serve to protect the heater operator from injury due to high temperatures of some parts of the heater.

Protective elements of the heater

The heater has a panel with safety indicators that show the current status and functionality of the heater. There is a flame indicator on the panel (Fig. 1/ 2). which, when lit, means that it is turned off and heating is not taking place and subsequently stops supplying fuel. The water inflow indicator (Fig.1/ 1) indicates insufficient or no amount of water, then the heater passes into a blocked phase. However, this safety feature does not replace the obligation to check an adequate water supply before using the equipment.

Other important information in the section – Heater (**page 4**).

Scope of delivery

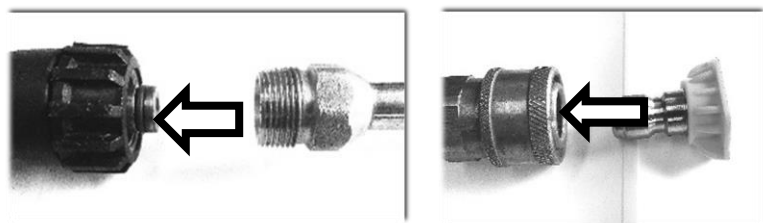
The content of the device delivery is displayed on the packaging or in the goods order. Check the completeness of the contents when unpacking. If some parts are missing, or if you discover damage during transport, please inform the seller.

Additional required

The source of clean water for directly feeding the heater must have a pressure of at least 20 Bar. Standard 230V Euro socket electricity is needed.

Assembly

The device itself is assembled at the manufacturing enterprise. Complete the pressure gun, adapter and nozzle. Attach the high pressure gun to the end of the high pressure hose. In the next step, it is



necessary to fill the fuel tank with diesel fuel (DIESEL WITHOUT ADDED BIOCOMPONENTS)

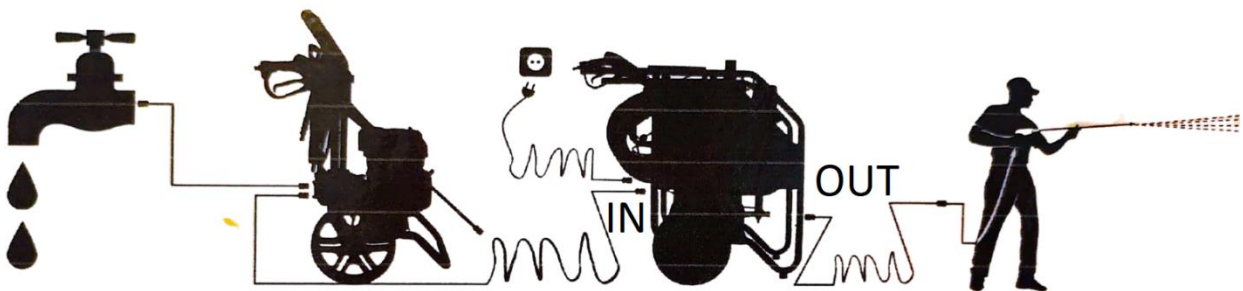
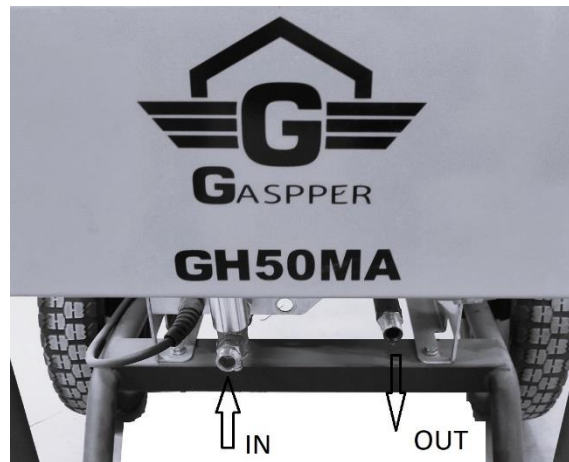
Commissioning

Water supply

WARNING The water must be clean, free of particulate matter or sludge. Contaminated water will irreversibly damage the internal components of the heater. If the heater does not apply pressure after starting within 30 seconds, turn off the heater and follow the instructions in Troubleshooting!

Heater

1. Fill the fuel tank up to the maximum amount of tank capacity with diesel fuel without added additives or biocomponents.
2. Locate in and out connectors on the bottom of the machine. Check the picture below. Connect the heater to the water source to IN connector. If using pressure washer use hose provided with your pressure washer.



3. Before starting the heater for the first time, it is **NECESSARY** to fill the system with the correct amount and pressure of water. The heater system is filled only when, when the trigger is pressed on the pressure gun, water begins to flow continuously from the gun. The water supply can be directly from the mains, while the inlet pressure must be at least 20 Bar. In the case of connection via a high-pressure washer, the maximum available inlet pressure can be 350 Bar at the M22x1.5" coupling and 500 Bar at the 1/2" coupling (the maximum outlet pressure is the same as at the inlet under the same conditions).

4. Connect hose provided with heater to OUT connector and connect pressure gun provided with the heater to other side of the hose.

5. Connect the electric cord to standard socket.

6. The heater is put into operation by turning the temperature controller from the initial position, where a gentle transition is felt. Then select the desired working temperature.

7. The heater will automatically start heating after pressing the trigger on the pressure gun and turn off automatically when released, while the ventilation will still work and the heating will react according to the trigger on the pressure gun. After the heater has not been idle for about 120 seconds, it turns off automatically.



DANGER

A running heater produces carbon monoxide, which is a colorless, odorless and poisonous gas. Inhaling carbon monoxide can cause nausea, headaches, dizziness, vomiting and even death! The device may only be used in an environment where proper ventilation is provided. At the same time, it is necessary to ensure that exhaust gases do not get into closed rooms through unsealed construction openings.



When working with a running heater, build the device so that the chimney pipe does not go to people standing around and into openings in construction objects (garages, verandas, cellars, etc.).

During operation, the heater produces waste heat, as a result of which there are several hot components on the heater (chimney walls, top cover of the heater), which can cause serious burns when touched. When these hot components come into contact with flammable substances, a fire can occur.



DANGER

Diesel fumes are extremely flammable and explosive, which can lead to burns, fire or explosion if handled improperly.



Before pouring diesel fuel into the tank, it is necessary to let the engine cool down for 5 minutes. Then carefully open the tank lid and start carefully pouring diesel fuel into the tank. NEVER flip the device into a position where diesel fuel may leak from the tank.

NEVER attempt to start the heater if fuel, ignition or protective components are damaged.

Starting the heater:



Rev. 1 heater control panel

1. Start the water supply to the system

2. Pull the trigger on the pressure gun until water starts to flow through it
3. In case of supplying water through a pressure washer, start the pressure washer
4. Turn on the heater by turning the regulator clockwise. (Fig. 1/5)
5. Set the desired temperature
6. Press the trigger on the pressure gun to start heating the water

Turning off the heater:

1. Set the temperature between 0° to 30° by turning the temperature regulator (Fig.1/5) counterclockwise
2. Hold the trigger on the pressure gun for 30 seconds until the system cools down
3. Shut off the water supply and unscrew the hose connection connection (inlet/outlet) and allow water to drain freely from the heater system. (this procedure is also important for possible storage for the winter)
4. In case of power supply through a pressure washer, shut off the water supply and press the pressure gun trigger to expel the water for a short time. Then turn off the pressure washer.
5. Disconnect the heater from the network.

WARNING: when the heater is put into operation, hot and poisonous gases are formed that come out of the chimney. Make sure that the room is well ventilated and do not lean over the chimney vent. There may be burns and if inhaled by poisoning with dangerous flue gases.

CAUTION: The heater is equipped with a water pressure sensor that turns off the heater. **This function does not replace checking sufficient water supply.** Neglect of inspection may result in irreversible damage to the internal components of the heater. Such damage is not covered under warranty. **NEVER** spray water on the heater. Such action may result in water entering the fuel system, heater system or ignition system. To clean the heater, use a damp rag and compressed air to blow dust.

MAINTENANCE

During operation, in rare cases, vibration may loosen the protective sheet metal covers. It is necessary to tighten these components, as prolonged vibration exposure to the loose housing will cause damage to the mounting holes.

Spare parts are available through the manufacturer or a certified service center. A complete list of components is provided in this manual or on the manufacturer's website.

Storage for the winter

Proper long-term storage is key to achieving trouble-free operation in the next season. Proper storage will extend the life of the heater.

The following steps will provide you with maximum protection of the heater components against corrosion and wear of the heater tubular system. Allow water to drain from the heater system. Use a damp cloth to clean the heater from dust and dirt. Open the fuel filler plug and check the amount of fuel in the tank. The long-term presence of fuel in the tank during storage has a bad effect on the quality of the fuel and the inner surface of the fuel system. This can result in irregular operation of the heater and reduced power. Drain the diesel fuel from the tank. **DO NOT TIP THE HEATER.**



A heater connected to a high-pressure washer exerts a very high pressure at the outlet, as a result of which the splashing water has destructive effects on soft objects. It is **FORBIDDEN** to direct the flow of water to people or animals. Disobeying this warning can have devastating effects, resulting in permanent blindness, cuts, amputations and even death.



ATTENTION

High pressure can cause damage to soft and sensitive objects. It is not recommended to use a high-pressure jet of water from the immediate vicinity to clean rubber and tires, glass, incoherent varnish, plaster and wood. Under the action of too strong a stream of water, the surface structure can be changed and permanently changed. In case of doubt, it is recommended to test the action of pressurized water on the sample, where possible disturbance of the surface will not affect the functionality or appearance of the object.

Moving the nozzle away from the surface of the washed item will result in a decrease in the pressure of the incident water and, accordingly, a less aggressive washing effect. On the contrary, approaching the surface will cause an accentuation of the washing effect, but also an increase in the aggressiveness of the effect of water on the surface.

Security features

For proper and safe use of the heater, it is recommended to install the following safety features:

- safety valve preventing exceeding the max. allowable pressure (contact the WASPPER dealer on request of 500 Bar)
- hydro-pneumatic damper preventing shocks of the heater (optional)
- flow switch that prevents the heater from running without water (standard/component)
- overpressure switch that checks sufficient water pressure in the heater at the inlet (standard/component)
- thermostat preventing exceeding max. temperature of 150°C (standard/component)



Rev. 2 Control Panel Description

1. Control of water inflow (weak or no inflow)
2. Water heating control (heating is turned off and fuel inflow is stopped)
3. Low fuel level
4. Check the electrical supply
5. Control of heating start and working temperature adjustment
6. Number of working hours
7. Resetting water heating
8. Safety switch

Troubleshooting

Problem	Cause	Solution
The burner suddenly stops going	<ol style="list-style-type: none"> 1.No fuel 2.Clogged nozzle or lack of water 3.Dirty or worn electrode 4.Grounded or burnt electrodes of high voltage cable 5.Clogged fuel filter 	<ol style="list-style-type: none"> 1.Refuel 2.Check the free flow of water or clean the sensor 3.Clean or replace the sensor 4.Vymente vysokonapätový cable 5.Clean or replace the filter with a new one
Excessive smoke from the chimney	<ol style="list-style-type: none"> 1.Fuel pressure is set too high or too low 2. The boiler is clogged 	<ol style="list-style-type: none"> 1.Turn the diesel pressure adjustment screw counterclockwise and set the pressure to 9.5bar to lower it or clockwise to increase it 2.Clean the boiler from the inside
The water temperature is not sufficient	<ol style="list-style-type: none"> 1.The burner nozzle is dirty 2.Clogged fuel filter 3.The fuel pump has too low pressure 	<ol style="list-style-type: none"> 1. Clean the burner nozzle and check the filter 2. Clean or replace the fuel filter 3. Set the fuel pump to factory settings (contact manufacturer)
the burner stops working and stops without ventilation	The transformer red cable is close to the white cable for controlling the burner. This causes interference.	Separate the cables from each other, there must be a distance between them.

The engine fan goes, but the fuel does not pass through the fuel system	The plastic fuel pump clutch is broken	Replace the plastic clutch and verify that the fuel pump is not blocked

Use only original spare parts. This will ensure trouble-free operation of your equipment.

Guarantee

The warranty conditions of our distribution organization apply in each country. Any appliance malfunctions will be eliminated free of charge during the warranty period if they are caused by material defects or manufacturing defects. At

Please contact your dealer or your nearest authorized service provider with your proof of purchase. A list of approved service centers can be found on our website: [www. Waspper.com](http://www.Waspper.com)

The effort of Waspper s.r.o. is to constantly improve the technical characteristics and user comfort of its products. For this reason, the manufacturer reserves the right to modify the design and controls of the equipment without prior notice to the end customer. The position of all controls and safety elements shown in this manual corresponds to reality. A change in the design of the control sticks may not be recorded in this manual.

Specifications

Type of device	GH25MA	GH50MA
Maximum working pressure (Bar)	500	500
Capacity (lt/min)	Up to 15 lpm	15-40 lpm
Voltage (volt)	230V 50Hz	230V 50Hz
Fuel consumption (kg/h)		
Calorific value (kcal/h)		
Fuel tank capacity (litres)		
Váha (kg)		
Water inlet pressure		
Net weight		
Height		
Width		
Length		



EU declaration of conformity

Waspper, s.r.o. declares that the following high-pressure washers comply with the relevant EU directives on the safety and health protection of the device operator. If the equipment is modified in any way without the prior consent of the manufacturer, this declaration loses its validity.

GP25MA				
GP50MA				

TECHNICAL INSPECTION a.s., workplace KOŠICE, participated in the assessment as an accredited inspection body within the meaning of EN ISO/IEC 17020

Relevant EU directives:
2006/42/EN (+2009/127/EN)
2004/108/ES
2000/14/ES
2016/1628/ES
78/2019 Z.z

Standards applied:

STN EN ISO/IEC 17 020

Manufacturer:

Waspper, s.r.o, Duklianska 51, 05201 Spisska Nova Ves, Slovakia



Place of issue: Spišská Nová Ves Manufacturer representative: Marian Gabriš

Release date: 27.2.2020 Function: Managing Director

Warranty

Product type:	WASPPER	Stamp and signature:
Serial number:	Sell-by date:	

In order to improve services and simplify communication with the customer, Waspper, s.r.o. recommends customers who have purchased our product to register the product free of charge on the manufacturer's website: www.waspper.com. This registration will provide the necessary data for faster handling of your complaint or advice on the purchase of spare parts and accessories. With this registration, the customer avoids further actions, such as submitting proof of purchase or providing a warranty card.

1. The manufacturer Waspper, s.r.o. is liable for hidden defects that the sold product has if these defects become apparent during the warranty period. The warranty repair is claimed by filling in and submitting the warranty form on the manufacturer's website: www.waspper.com. The product is provided with a full warranty for private individuals and private use for 24 months (according to the Civil Code) and 12 months for business entities (according to the Commercial Code). The warranty period begins to run for simple breakdowns and damages by filling in and sending the complaint protocol on the website. In case of more extensive failures, the warranty period begins to run only after delivery of the product to the address of the manufacturer: Waspper, s.r.o, Duklianska 51, 05201 Spišská Nová Ves. The customer will be informed about the receipt of the complaint through the contact specified in the complaint form.

2. The warranty application does not apply to defects caused by: poor operation; inappropriate handling or use contrary to the instructions for use or instructions and recommendations of Waspper, s.r.o; use or storage of goods in unsuitable conditions, especially with regard to temperature, dustiness or humidity of the environment; exposure to direct sunlight; damage by the elements or force majeure. The warranty also does not apply to mechanical damage, damage due to particulates, frost or other weather conditions. The warranty does not cover damage to the pump by cavitation. Also, cases of engine damage due to lack of oil and due to ingress of non-operating fluid into the internal parts of the engine are excluded from the warranty.

3. After assessment of the scope of repair by the complaint technician, the customer will be familiarized with the procedure for handling the complaint. In cases where the replacement of a damaged component is within the capabilities and capabilities of the user, only the replacement component will be sent to the customer. In cases where repair by a service center will be necessary, the buyer is obliged to send the damaged device to the manufacturer's address. The goods must be complete (including accessories), properly packed to avoid damage during transport, without mechanical damage and without service fillings. If the goods are visibly damaged, incomplete or excessively worn upon delivery to the service, the manufacturer reserves the right to refuse and not to accept such a shipment.

4. When applying for warranty repair, the buyer is obliged to provide proof of purchase of goods (invoice, cash receipt), warranty card and notify in writing of the claimed defect with photo documentation. It is recommended to fill in the complaint form on the manufacturer's website in order to settle the complaint as quickly as possible, if the manufacturer considers the complaint to be justified, the repaired product will be sent to the buyer at the expense of the manufacturer.

5. If the complaint technician finds that the claimed product does not meet the conditions for warranty repair, the complaint is considered unfounded and the costs of delivering the product to the customer are borne by the customer.

6. If the repair time exceeds 30 days or if the product is irreparable, the customer will be provided with the opportunity to replace the goods.

7. The manufacturer's complaint technician decides on the justification of the warranty. If the warranty is justified, the warranty period is extended by the time the device spent in the complaint procedure. A written document will be issued to the customer about this action, which will be sent to him with the product or in electronic form. If the component of the product that is the subject of the complaint is no longer supplied, the manufacturer will provide the customer with an adequate replacement that will be equivalent in performance or better than the claimed component.

8. The buyer undertakes to read all information about the goods contained on the packaging or in the instructions for use, immediately after delivery of the goods, thereby acknowledging that the delivered product will retain its positive characteristics only if it is used and stored correctly. In the event of failure to comply with the obligation set out in this paragraph, Waspper, s.r.o. shall not be liable for defects in the goods and damages incurred in connection with the breach of this obligation by the buyer or any third party. The buyer is obliged to check the integrity of the packaging and the product when buying or taking over the shipment from the postal courier. In case of damage to the packaging, it is necessary to immediately register this fact with the carrier. If damage is detected only when unpacking the product, contact the seller within 4 working days at the latest. Later complaints about damage to the goods during transport will not be accepted.



CE - Declaration of conformity

2006/42 CE Enclosure II A



WE

MAZZONI SRL

Via Prati Vecchi N° 5
42025 - CAVRIAGO (REGGIO EMILIA)
ITALY

DECLARE UNDER OUR EXCLUSIVE RESPONSABILITY THAT THE PRODUCT:

- Type of machine: Big Boiler for hot water pressure cleaner-DC
- Model: 3.026.02.067 - 3.026.02.089 - 3.026.02.068
- Serial Number: 12210109 - 03210100 - 09210225
- Description: 15 - 20 - 21 lt/min ; 250bar ; 80000 Kcal/h 230 V
- Noise: Measured value (Lwa) : <77dBA
Guaranteed value (Lwa): 80dBA

IS CONFORM TO RELEVANT DISPOSITIONS OF FOLLOWING EUROPEAN DIRECTIVES:

- 2006/42/CE MACHINERY + D.Lgs. N°27 del 27.01.2010
- 2004/30/UE E.M.C + D.Lgs. 80/18.05.2016
- 2000/14/CE Environmental Acoustical Emission Directive + D.Lgs. 262/02 ;
att.II ; att. III Part B point 27 ;
att. IV ; att. V Points 1,3,4 ; att. VI Points 2,3,4
- 2014/35/UE Low Tension + D.Lgs.86/19,05,2016
- ERP 2009/125/CE Ecocompatible Design Directive + Reg.640-2009 + Reg. UE n° 4-2004
to update to 640

INTERNATIONAL RULES:

- UNI EN ISO 3744
: 2010 Determination of soundpower levels
- EN ISO 12100-1 Machinery Safety- Essential concepts
- UNI EN ISO 12100-2 Machinery Safety - Mitigation project under
- CEI EN 60204-1 Machinery Safety - Electrical equipment of machines
- CEI EN 60034-1 Rotating electrical Machines.

The products listed above are considered quasi-machine as specified in the attached use and maintenance manual. Commissioning is not permitted until it is not coupled to the machine. The machine completes, before commissioning, must comply with Directives 2006/42 EC and 2004/30 / EU. The assembly of the quasi-machine with the machine may have influenced and modified EMC reports.

As a result of these effects, the responsibility for compliance with all directives is the manufacturer of the machine.

Person authorized to compile the technical file:

Mr. Moreno Mazzoni
at Mazzoni LTD Via Prati Vecchi, 5
42025 Cavriago (Reggio Emilia) Italy

MAZZONI SRL
Officer Responsible

Barbara Kottani

Date: 21/01/2022

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