Operation Manual

GH4200BD



POHÁŇANÉ MOTOROM

Original instructions for use

* The device image is for illustrative purposes only and may not reflect the actual device delivered.

EN

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WARNING

Before using your new appliance for the first time, please read these original operating instructions and the enclosed safety instructions. Follow them. Keep the instructions for possible later use or for the next owner of the appliance.

Using the product in accordance with its intended purpose

This high-pressure cleaner can be used:
- for washing machines, vehicles, buildings, tools, facades, terraces, garden tools, etc., together with a high-pressure water jet (with the addition of cleaning agents if necessary);
- with accessories and spare parts approved by Waspper s.r.o..
- In an environment where the device will not be exposed to direct splashing of dirty water with solid particles,
- The device must be stored in an environment protected from weather conditions.

Environmental protection



The packaging materials are recyclable. Dispose of the packaging in an environmentally friendly manner.
Old machines contain valuable recyclable materials that should be recycled. Old devices must be dispose of ecologically.
Cleaning work that generates oily waste water, e.g. engine cleaning, cleaning the floor of machinery, may only be carried out in washrooms with an oil separator. Work with cleaning agents may only be carried out on work surfaces sealed against liquid leakage and with a connection to the sewage system for dirty water. Prevent cleaning agents from leaking into water sources or the soil.

Security

Safety instructions

Before using this device for the first time, it is essential to read the enclosed "Safety instructions for high-pressure cleaners".
To protect your hearing and eyesight, it is advisable to wear protective equipment when operating the cleaner.

of the noise and eye protection device, the  Before starting, it is essential to check the tightness fuel system and the integrity of the battery electrical cables.

Degrees of danger

A DANGER - Warning of an imminently hazardous situation which could result in serious injury or death.

⚠ WARNING - Indicates a potentially hazardous situation that could result in minor injuries.

⚠ CAUTION - Warning of a potentially hazardous situation that could lead to property damage.

Safety features

⚠ WARNING Safety features are designed to protect the user from injury and must not be modified or disabled. If damaged, they must only be replaced with original parts.

Protective covers for hot or rotating parts



Protective covers serve to protect the operator of the high-pressure washer from injury due to high temperatures of some parts of the combustion engine or from injury caused by rotating parts of the device.

Protective elements of the combustion engine and pump

The low oil level safety switch is used to automatically shut down the engine if the oil level drops below the minimum level. This prevents engine damage due to insufficient lubrication of internal parts. However, this safety feature does not replace the obligation
Check the oil level before using the machine. For more important information, see the ENGINE section (page 3).

The temperature sensor located on the pump serves to protect the pump from water with a temperature higher than the maximum operating temperature of the pump.

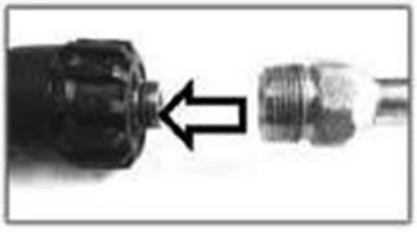
Scope of delivery

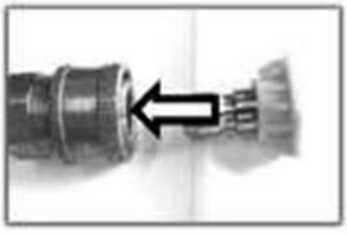
The contents of the device delivery are shown on the packaging or in the order of goods. When unpacking, check the completeness of the contents. If any parts are missing or if you find damage caused during transport, please inform the seller.

It is additionally required

Source of clean water for filling the tank or for directly supplying the pump with pressurized water with a flow rate of 22L/min.

Assembly





The device itself is assembled at the factory. Assemble the pressure gun, attachment 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 engine with the supplied engine oil according to the instructions in the ENGINE section (page 3) and pour fresh gasoline with an octane rating of 95 into the tank.

Commissioning

Water supply

CAUTION The water must be clean, free of solids or sludge. Dirty water will irreversibly damage the internal components of the high-pressure pump and will prematurely clog the water filter and make it difficult to draw water in. If the pump does not build up pressure within 30 seconds after starting the engine, switch off the engine and follow the instructions in the Troubleshooting section! Running dry for more than 30 seconds will damage the pump! Damage to the equipment caused by failure to follow this instruction will void the warranty.

Motor



Scale plug

Before starting the pump for the first time, it is IMPERATIVE to fill the engine with the correct amount of supplied engine oil. The enclosed engine oil bottle may contain more oil than is required for the engine type. The exact amount of oil to fill is given in the Technical Specifications. To make it easier to start a cold engine, we recommend reducing the water outlet pressure as per the instructions on page 8.

Place the pump on a horizontal surface. Open the oil pan plug, which also has the oil dipstick. Pour approximately ¼ of the required amount of oil into the engine. Screw the plug into the engine. With the switch C in the OFF (0) position (picture below), crank the engine by pulling the starter cord. Open the plug, wipe the dipstick and check the engine oil level.

CAUTION: The dipstick will only show the correct oil level when it is completely screwed into the engine hole. Add oil until the oil level is at the MAX mark.

Open the fuel cap and carefully pour gasoline into the tank. To achieve full engine performance, it is necessary to use fresh gasoline with an octane rating of 95 E5 (E10) and higher. Old, stale gasoline has different physical properties and may cause irregular engine operation or reduced pump performance. Use only clean gasoline without oil additives - Your engine is a four-stroke type. E10 gasoline may cause internal corrosion of the fuel system if stored for a long time. If possible, use up all the gasoline from the carburetor by closing the fuel valve while the engine is running.

DANGER



A running engine produces carbon monoxide, a colorless, odorless, poisonous gas. Inhaling carbon monoxide can cause nausea, headaches, dizziness, vomiting, and even death!

The device may only be used outdoors where proper ventilation is provided. It must also be ensured that exhaust gases do not enter enclosed rooms through unsealed building openings.

When working with the engine running, turn the device so that the exhaust pipe is not directed towards bystanders and openings in buildings (garages, verandas, basements, etc.).

The engine produces waste heat during operation, which results in several hot components on the engine (exhaust, engine cylinder) that can cause serious burns if touched. Contact between these hot components and flammable substances can cause a fire.

AND DANGER

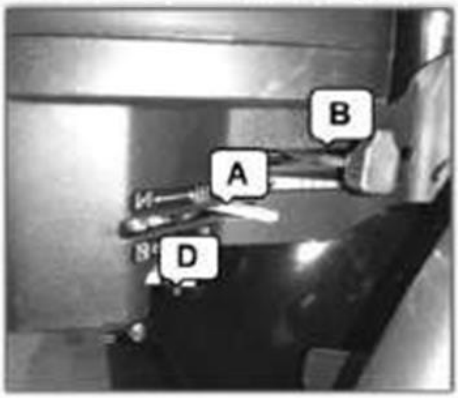


Gasoline fumes are extremely flammable and explosive which can lead to burns, fire or explosion if handled incorrectly.

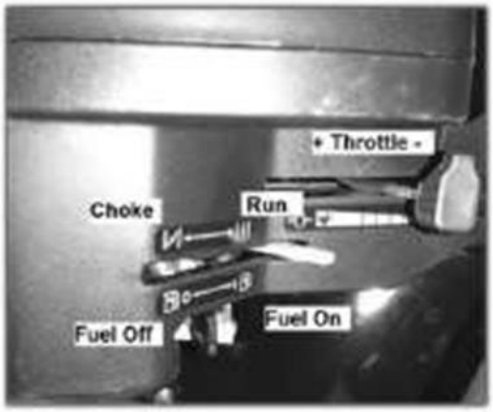
Before filling the tank with petrol, let the engine cool for 5 minutes. Then carefully open the tank lid and carefully start pouring petrol into the tank. NEVER fill the tank to the brim as petrol heats up and expands when the engine is running, which can cause petrol to leak through the plug and cause an explosion or fire. NEVER tilt the high-pressure cleaner into a position where petrol could leak from the tank.

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

Attention! When starting the engine, the gun control lever must be pressed and the water pressure from the system must be released, otherwise the starter protection fuse will blow.



Manual starting: Turn the engine switch C and fuel switch D to the ON (I) position. Move the speed control lever B to the MAX Move the choke control lever A to the CHOKE position.
Firmly grasp the pump handle with one hand and grasp the starter cord handle with the other hand.
Pull the starter cord until you feel resistance from the engine. Then pull the handle sharply to prevent kickback.
If the engine does not start the first time, press the trigger gun
and release the accumulated water pressure in a safe direction. Then repeat the starting process by pulling the starter handle.
Reducing the pressure at the pump regulator will greatly simplify starting.





WARNING Recoil starter cord kickback (engine action against starter cord movement) will pull your arm and hand toward the engine faster than you can let go, which can result in sprains, bruises, or fractures.
or

After starting the engine, move the choke control lever SLOWLY

And to the RUN position.

Electric start: Turn the engine switch C and fuel switch D to the ON (I) position. Move the speed control lever B to position MAX Move choke control lever A to CHOKE position. Turn ignition key fully to the right and hold until engine starts for no more than 5 seconds. After engine starts, SLOWLY move choke control lever A to RUN position. If engine does not start, check engine oil level, fuel valve position and fuel level in tank. Squeeze high pressure gun to relieve pressure and repeat Starting.

SWITCHING OFF THE ENGINE

The engine shutdown takes place in the following steps:
Move the engine speed control lever (page 4) B 1/2 toward the position. MIN and let it run engine for 15-20 seconds at reduced speed. Then turn the engine ignition switch C and fuel switch D to the OFF (0) position.
WARNING: The engine is equipped with an engine oil level sensor that will shut off the engine if the oil level drops to a dangerous level. This feature is not a substitute for regularly checking the engine oil level. Failure to do so may result in permanent damage to internal engine components. Such damage is not covered by the warranty.
NEVER spray water on a hot engine. Doing so may cause water to enter the fuel system or ignition system. To clean the engine, use a damp cloth and compressed air to blow dust from the air filter area.

MAINTENANCE

After the first 5 hours	Engine oil change
Every 8 hours or daily	Checking the engine oil level Check the area around the air filter and exhaust for dirt
Every 50 hours, or at the end of the season	Clean the air filter Engine oil change
Every 100 hours	Checking and adjusting the spark plug electrode. Checking the fuel line

During operation, in rare cases, the protective sheet metal covers may become loose due to vibration. These parts must be tightened, as prolonged exposure to vibration on a loose cover will damage the mounting holes. If the exhaust protective cover, air filter or cooling fan is damaged, these parts must be replaced with original parts, as only then can maximum operational safety be guaranteed.

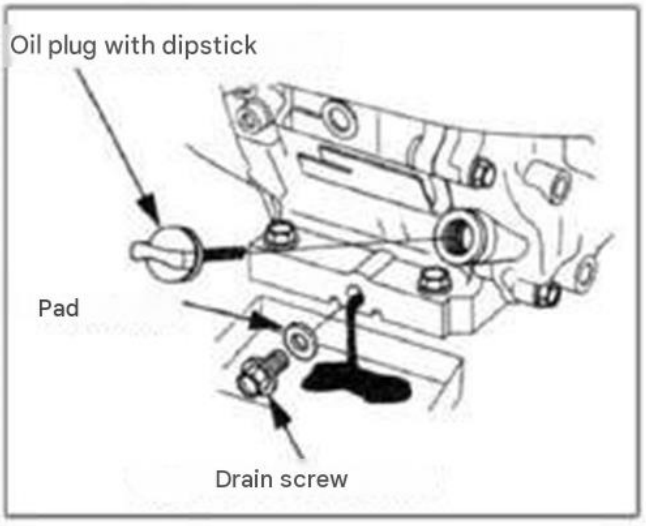
Replacement parts are available through the manufacturer or a certified service center. A complete list of components is provided in this manual or on the manufacturer's website.

Storage for the winter

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

The following steps will ensure maximum protection of engine components from corrosion and wear of sliding engine parts.
The engine must be at rest and the engine temperature must be below 50°C. Clean the engine from dust and dirt with a soft cloth. After drying, treat any damage with paint or a cloth soaked in oil. This will prevent air from reaching the sheet metal and subsequent corrosion.
Open the fuel tank cap and check the amount of fuel in the tank. Prolonged 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 engine operation and reduced performance. Drain the gasoline from the tank and carburetor through the drain screw located on the bottom of the carburetor. DO NOT TURN THE ENGINE OVER.
RISK OF OIL LEAKAGE! It is recommended to change the engine oil at the end of the season. This will extend the life of the engine.

Engine oil change



It is recommended to change the engine oil after use of the device (according to the maintenance schedule). Switch off the engine. Let the device cool down a little so that the temperature is below 50°C. This will prevent possible burns. It is advisable that the engine is still warm.
Warm oil will flow out of the engine more easily.
- Unscrew the OIL DIP PLUG.
- Place a container under the drain plug.
with a volume of at least 1.5 L.
- Carefully loosen the drain screw.
- Let the oil drain freely into the prepared container.
- If the oil has stopped flowing, tilt the engine slightly to the rest of the oil also leaked out.
- Clean the area around the drain screw and carefully tighten the screw back into place.

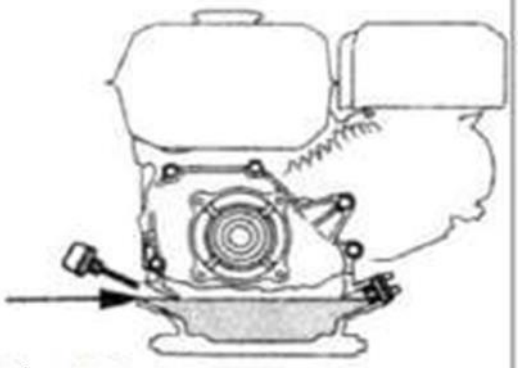


- Used engine oil must be taken to one of the designated collection points. Engine oil is hazardous waste!

Hour meter. The device is equipped with an hour meter. Total hours are recorded (cannot be deleted), Partial hours (can be deleted with a button). Current engine speed, Service reminders.

To delete a reminder, hold the button down for at least 2 seconds on the total hours record. To delete partial hours, hold the button down for at least 2 seconds on the partial hours record.

Switching between engine hours and engine speed is possible from the engine hours or RPM display by holding down the button.



Oil level

Fill the engine with the correct amount and type of engine oil. The oil specification is listed below. - The exact fill quantity is listed in the Technical Specification.

- Place the pump on a level surface. Pour approximately 4 of the required amount of oil into the engine through the oil plug hole. Screw the plug into the engine. With the engine switch in the OFF (0) position, crank the engine by pulling the starter cord. Open the plug, wipe the dipstick, and check the engine oil level.

CAUTION: The dipstick will only show the correct oil level when it is completely screwed into the engine hole. Add oil until the oil is at the MAX mark.

Engine oil specification

Engine oil is one of the main factors affecting engine performance and life.

The minimum requirements that the oil must meet are: Viscosity class 5w30, 10W30 or 10W40 with quality class SF and higher (SG, SH, SJ). Using 10W30 engine oil at temperatures higher than 27°C may lead to increased oil consumption. Therefore, it is necessary to pay increased attention to the oil level if the equipment is operated at these temperatures with 10W30 oil. In this case, it is recommended to use 10W40 oil with quality class SF and higher (SG, SH, SJ). The supplied engine oil greatly exceeds the minimum quality requirements and will ensure safe engine operation with minimal wear of internal parts in difficult operating conditions.

If it is necessary to top up the engine oil, use only the same type and brand of oil as is already in the engine. Mixing different types of oil is not recommended!

The pump

Your pump is of all-metal construction to ensure long life and trouble-free operation. The pump contains moving parts with very precise positioning. It is therefore ESSENTIAL that the water supplied to the pump is free of mechanical impurities. These impurities will abrade the seating surfaces in the pump, which will increase the clearance between the internal components and reduce the output pressure.

⚠

DANGER



The pump develops very high pressure at the outlet, resulting in The water jet has a destructive effect on soft objects. It is FORBIDDEN to direct the water jet at people or animals. Failure to heed this warning can have devastating effects, resulting in permanent blindness, cuts, amputations or even death.

⚠ WARNING

High pressure can cause damage to soft and sensitive objects. It is not recommended to use a high-pressure water jet from close range to clean rubber and tires, glass, loose paint, plaster and wood. The effect of a too strong water jet can change the surface structure and permanently alter it. In case of doubt, it is recommended to test the effect of pressurized water on a sample where any damage to the surface will not affect the functionality or appearance of the object.

Problem solving!

Heater

1. Fill the fuel tank to the maximum tank capacity with diesel fuel without added additives or bio-components.
2. Connect the heater to the mains.
3. Before starting the heater for the first time, it is **MANDATORY** to fill the system with the correct amount and pressure of water. The heater system is filled only when, after pressing the trigger on the pressure gun, water starts to flow continuously from the gun. The water supply can be directly from the water supply network, while the input pressure must be at least 20 Bar. In the case of connection via a high-pressure cleaner, the maximum possible input pressure can be 350 Bar with an M22x1.5" coupling and 500 Bar with a ½" coupling (the maximum output pressure is the same as at the input under the same conditions).
4. The heater is put into operation by turning the temperature regulator from the initial position, where a smooth transition is felt. Then select the desired operating temperature.
5. The heater will automatically start heating after pressing the trigger on the pressure gun and will automatically turn off after releasing it, while the ventilation will still work and the heating will respond according to the trigger on the pressure gun. After the heater is inactive for about 120 seconds, it will automatically turn off.

DANGER



A running heater produces carbon monoxide, which is a colorless, odorless, 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 enter closed rooms through unsealed building openings. When working with a running heater, position the device so that the chimney pipe does not point at bystanders or into openings in buildings (garages, verandas, basements, etc.).
During operation, the heater produces waste heat, as a result of which there are several hot components on the heater (chimney walls, heater top cover), which can cause serious burns if touched. A fire may occur if these hot components come into contact with flammable substances.

DANGER



Diesel fumes are extremely flammable and explosive, which can lead to burns, fire or explosion if handled incorrectly.
Before pouring diesel into the tank, it is necessary to let the engine cool down for 5 minutes. Then carefully open the tank lid and begin to carefully pour diesel into the tank. NEVER tilt the device into a position where diesel could leak from the tank.
NEVER attempt to start the heater if the fuel supply, ignition or protective elements are damaged.

Starting the heater:



Pic. 1 heater control panel

1. Start the water supply to the system
2. Press the trigger on the pressure gun until water starts flowing through it
3. In case of water supply via a pressure washer, start the pressure washer
4. Turn on the heater by turning the regulator clockwise. (pic. 1)
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° and 30° by turning the temperature regulator (pic. 1) counterclockwise
2. Hold the trigger on the pressure gun for 30 seconds until the system cools down
3. Turn off the water supply and unscrew the hose connection coupling (inlet/outlet) and let the water flow freely from the heater system. (This procedure is also important for possible winter storage)
4. In the case of power supply via a pressure washer, turn off the water supply and press the trigger of the pressure gun for a short time to let the water flow out. Then turn off the pressure washer.
5. Disconnect the heater from the mains.

WARNING: When the heater is put into operation, hot and poisonous gases are produced and come out of the chimney. Make sure that the room is well ventilated and do not lean over the chimney vent. Burns and poisoning by inhalation of dangerous flue gases may occur.

WARNING: The heater is equipped with a water pressure sensor that will shut off the heater. This feature is not a substitute for checking for sufficient water supply. Failure to do so may result in permanent damage to the heater's internal components. Such damage is not covered by the warranty. NEVER spray water on the heater. Doing so may cause water to enter the fuel system, heater system, or ignition system. Use a damp cloth and compressed air to blow out dust when cleaning the heater.

Safety features

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

- safety valve preventing the max. allowed pressure from being exceeded (on request 500 Bar, contact the WASPPER dealer)
- hydro-pneumatic damper preventing the heater from shaking (optional)
- flow switch preventing the heater from running without water (standard/part)
- overpressure switch controlling sufficient water pressure in the heater at the inlet (standard/part)
- thermostat preventing the max. temperature from being exceeded 150°C (standard/part)



pic. 2 control panel description

1. Water flow control (low or no flow)
2. Water heating control (heating is off and fuel flow is stopped)
3. Low fuel level
4. Power supply control
5. Heating start control and operating temperature setting
6. Number of operating hours
7. Water heating reset
8. Safety switch

Troubleshooting

Problem	Cause	Solution
The burner suddenly stops running.	1.No fuel 2. Clogged nozzle or lack of water 3. Dirty or worn electrode 4. Grounded or burnt high voltage cable electrodes 5. Clogged fuel filter	1. Add fuel 2. Check for free water flow or clean the electrode 3. Clean or replace the electrode 4. Replace the high-voltage cable 5. Clean or replace the filter with a new one
Excessive smoke from the chimney	1. Fuel pressure is set too high or too low 2. Boiler is clogged	1. Turn the oil pressure adjustment screw counterclockwise to set the pressure to 9.5 bar to reduce it, or clockwise to increase it 2. Clean the boiler from the inside
The water temperature is not sufficient.	1. Burner nozzle is dirty 2. Fuel filter is clogged 3. Fuel pump pressure is too low	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 the manufacturer)
the burner stops working and stops without ventilation	The transformer red cable is close to the white torch control cable. This causes interference.	Separate the cables from each other, there must be a distance between them.
The engine fan is running but fuel is not flowing through the fuel system	The plastic fuel pump connector is broken. blocked.	Replace the plastic coupling and check if the fuel pump is not

Use only original spare parts to ensure trouble-free operation of your device.

Moving the nozzle further away from the surface of the object being washed will result in a reduction in the pressure of the impinging water, and thus a less aggressive washing effect. On the contrary, moving it closer to the surface will enhance the washing effect, but also increase the aggressiveness of the water's effect on the surface.

Safety features



Safety thermal valve

The pump is equipped with a thermal safety valve that protects the pump from high water temperatures. When the pump is running without water being discharged through the nozzle, the water gradually heats up through internal circulation to a level at which the thermal safety valve automatically opens. Some of the hot water flows out through it, as a result of which new cold water cools the pump head to a safe level.

If the device will not be used for a long time, it is better to turn it off to prevent the pump from overheating.



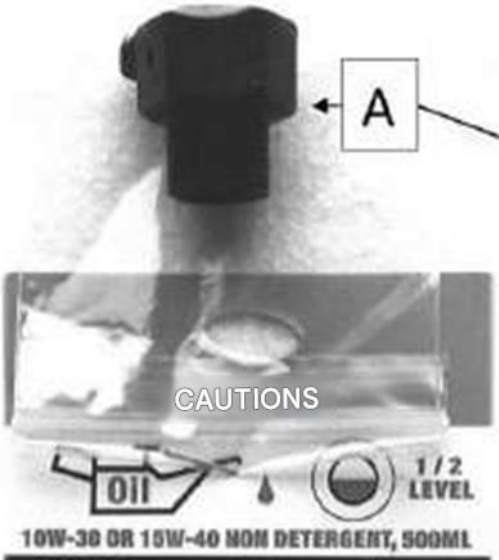
Engine oil level sensor

Its task is to protect the engine from damage due to low engine oil level. If the oil level drops to a dangerous level, the sensor will shut down the engine. The sensor can also shut down the engine if the oil level is between MIN and MAX but the machine is not standing on a horizontal surface. There will be a change in the level in different parts of the engine, which may also result in the engine shutting down. It is therefore recommended to keep the engine oil level close to the MAX mark.

Attention! When starting the engine, the gun control lever must be pressed and the water pressure from the system must be released, otherwise the starter protection fuse will blow.

Preparing the pump for operation

The pump is filled with operating oil. Due to the change in oil temperature during operation and thermal expansion, a VENTILATION VALVE is located on the top of the package. To prevent oil from leaking from the pump during transport, the valve opening is closed with a transport plug. THIS PLUG MUST BE REPLACED WITH THE BLACK VENTILATION PLUG (A) WITH A RED CAP BEFORE FIRST USE!



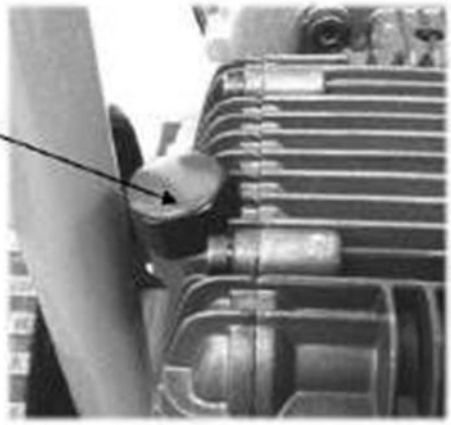


Figure A shows the pump vent plug, which should be screwed onto the red plug instead of the shipping plug. The shipping plug is for transport only and the device must not be used without replacing it.

Translation of the pump safety label on the left:

Non-additive oil 10w30 or 15w40- 500mL

Risk of permanent damage to the device!

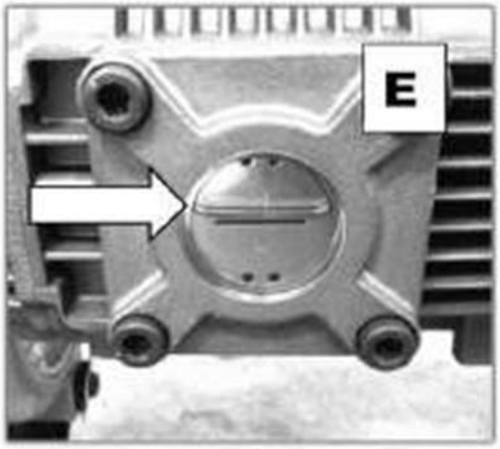
Operating the pump with a low oil level or without an oil charge will cause permanent damage to the pump and void the warranty. Top up the oil to half the sight glass. Check the oil level before each use!

Left- Insert vent plug/Right- Remove shipping plug.

The red plug is for shipping only. Before first use, replace the red plug with the black vent plug (located in the bag attached to the tag).

Risk of permanent damage to the device!

Running the pump without water or running it dry will cause permanent damage to the pump and void the warranty. Check the water supply before each use!



Operating the pump with a low oil level or without an oil charge will cause permanent damage to the pump and void the warranty. Top up the oil to half the sight glass. Check the oil level before each use!

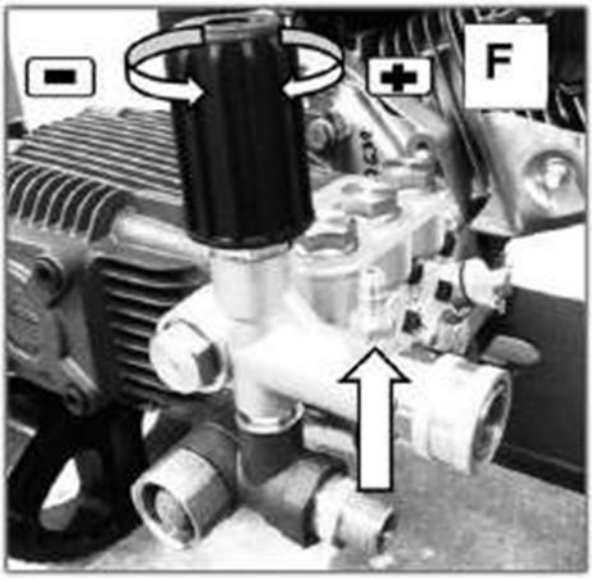
To check the oil level, place the pump in a horizontal position. Otherwise, the recorded level will not correspond to reality. The oil level must be within the required range during operation to ensure thorough lubrication of the internal components. The oil level can be checked on the pump sight glass (figure E). It must be around the mark in the middle when the engine is switched off!

If it is necessary to top up the oil in the pump, use only oil of the grade: 15w40 SF-SJ. Do not exceed the maximum oil level! This may lead to damage to the shaft seals and oil leakage from the pump.

Running the pump without water or running it dry will cause permanent damage to the pump and void the warranty. Check the water supply before each use!

Regulation of water output pressure

This pump allows you to regulate the water output pressure in the range of 80 Bar- 250Bar. To change the pressure, you need to turn the regulator located on the pump (Figure F). The rule is: when viewed from above, turning RIGHT (clockwise) increases the pressure and turning LEFT decreases the pressure. Increasing the pressure also increases the load on the engine and fuel consumption. Therefore, it is advisable to adjust the water pressure according to the specific situation. Reducing the pressure will extend the life of the engine and pump.



Pump maintenance

Change the oil in the pump after the first 50 hours of operation and then every 200 hours of operation. Use 15w40 SF-SJ grade oil for replacement. Drain the oil from the pump by loosening the plug located on the side of the pump. Tilt the pump so that the oil flows out of the pump housing. It is recommended to change the oil after use when the oil is warm, flows out more easily and impurities are dispersed in the oil. After the old oil has drained, screw the drain plug back in, slowly pour the oil through the vent plug hole while checking the level on the sight glass. Proceed with caution as the oil spreads slowly inside the pump and can easily overflow. After reaching the required oil level, screw the vent plug back into the pump housing.

Using self-priming detergent

The pump has the ability to automatically suck detergent from the container using vacuum. To start this function, a black nozzle for detergent application (cat. number: ASBS0-N0065) is required. Only when using this nozzle will the pump start to suck detergent itself through the hole marked with an arrow (fig. C). Connect the supplied detergent hose to the protrusion marked with an arrow (near the high-pressure end of the pump) and immerse the other end with the suction strainer in a container with diluted detergent. Apply the detergent by pressing the trigger of the gun. This configuration is not used to create active foam. To create active foam, it is necessary to purchase a foamer (cat. number: SP000-FL002).

Winter storage of the pump

Storing the pump in areas where the ambient temperature is below freezing point can lead to irreversible damage to internal components if the pump is not drained thoroughly!

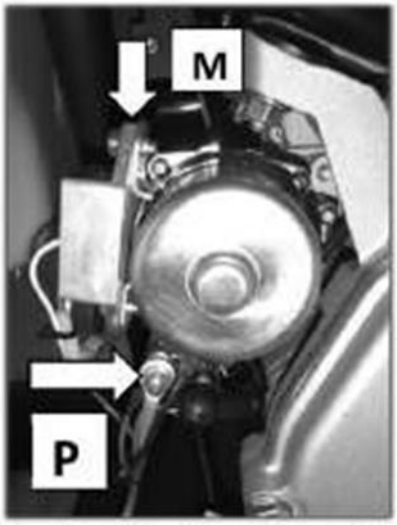
Procedure for draining remaining water from the pump: Make sure the motor switch (page 4 item C) is in the OFF (0) position.

Disconnect the supply hoses from the pump. Grasp the starter cord handle and pull the cord 5 times as if starting the engine. This action will force the water out of the pump through the high-pressure opening. It is not recommended to store the pump in areas where the temperature drops below freezing, as a significant change in external temperatures can cause condensation of water vapor even in areas where water would not otherwise reach. This can lead to internal corrosion and a significantly shorter life span of the pump and engine.

Charge the battery with the included charger.

Accumulator

The device is supplied with a battery charger. Do not use any other charger. The battery is hermetically sealed and charging with an unsuitable charger will irreparably damage it. Charge the battery to full capacity before first use.



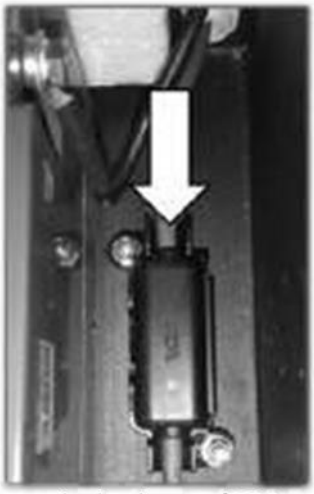




Plug the charger into the mains. The red POWER light must be on after plugging in.

Connect the red charger terminal to the red starter contact (position P) and the black contact to the regulator body (position M). If the battery is OK, the charging process will begin, signaled by the movement of the green indicator light in the direction to the red indicator light (Fig. 1). Charging is complete when the green indicator light stops flashing and all four green indicators are permanently lit (Fig. 2).







The battery is a maintenance-free type with a nominal voltage of 12V and a capacity of 20Ah. It is located in the space under the engine mount. It is protected against short circuit by a MIDI 60A fuse. It is located in the black holder in the battery compartment. When replacing, use only a fuse with the same parameters. There is a voltmeter on the battery box. It is used to check the battery voltage and at the same time to check the charging while the engine is running. Press and hold the red button to activate the voltmeter. Wait a few seconds until the LED movement stabilizes. If the battery status is registered with an orange or red LED when the engine is off, the battery needs to be charged with the included charger. If the charge level is registered with a green light while the engine is running, everything is OK. If the orange or red light under the name BATTERY lights up, the charge level needs to be measured with a digital voltmeter.





There is a 10A blade fuse for the charging circuit in the switch box. If charging does not work, then it is necessary to check the condition of this fuse. Use only the prescribed current value of 10A.

Solving problems

The problem	The reason	Solution
The pump cannot create the necessary water pressure, low water flow	1.Used large orifice nozzle 2. The water supply is blocked. 3.Low volume of water supply 4. Clogged water inlet strainer 5. The high-pressure hose is clogged or leaking water 6. Inlet water temperature too high 7. Water pressure is leaking from the gun 8. Clogged nozzle 9. Damaged pump 10.Stuck pump valve	1. Replace with the correct nozzle size 2. Check for free water flow 3. Use higher water pressure or a larger diameter hose 4. Clean the strainer, or replace it with a new one. 5. Remove dirt, turn the hose, rinse, or replace the hose with a new one. 6. Provide cooler water 7. Check the tightness of the connections, replace the gun 8. Clean the nozzle with a steel wire and rinse against the water jets. 9.Contact the service center 10. Connect the pump power supply to the pressurized water.
The pump does not draw detergent	1. Wrong nozzle used 2. Insufficient amount of detergent in the dispenser 3. Clogged tube or strainer	high pressure nozzle with low pressure black nozzle 1. Replace 2.Check amount of detergent 3. Clean the tube with a stream of water, replace the suction tube
The engine runs well without load, but jerks under load.	1.Low engine speed 2. Water pressure too high 3. Old fuel	1. Adjust the position of the speed adjustment lever, check the position of the speed lever locking screw 2. Reduce the water outlet pressure using the control on the pump as described on page 8. 3. Replace the fuel with fresh fuel.
The engine stopped during operation	1. The engine has consumed fuel 2. The spark plug cap fell out 3. Low engine oil level	1.Fill the tank with fuel. 2.Check the spark plug terminal 3. Check the engine oil level
The engine will not start, or it starts and runs rough.	1.Clogged air filter 2. The engine is out of fuel 3. Old fuel 4. The spark plug connector is not connected to the spark plug 5. Broken spark plug 6. Fuel contaminated with water 7. Incorrect fuel mixture ratio 9. Battery flat 10. Battery fuse blown	1.Clean the air filter 2.Fill the tank with fuel. 3. Replace the fuel with new fuel, or add a larger amount of new fuel. 4. Check the spark plug end seating 5. Replace the spark plug with a new one 6. Drain the fuel from the tank and carburetor, and add fresh gasoline 7.Contact the service center 9. Charge or replace the battery. 10. Check the continuity of the fuse, replace it with a new one if necessary.
The engine has no power	1.Clogged air filter 2.Old fuel	1. Clean the air filter 2. Fill the tank with fresh fuel

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

Warranty

The warranty conditions of our distribution organization apply in each country. We will repair any malfunctions of the appliance free of charge during the warranty period if they are caused by material or manufacturing defects. When making a warranty claim, please contact your dealer or the nearest authorized service center with your proof of purchase. You can find a list of approved service centers on our website:

www.waspper.com

Waspper s.r.o. strives to constantly improve the technical characteristics and user comfort of its products. For this reason, the manufacturer reserves the right to change the design and control elements of the device without prior notice to the end customer. The position of all control and safety elements shown in this manual corresponds to reality. Changes in the design of the control levers may not be noted in this manual.

CE

EU Declaration of Conformity

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

Trade name: High pressure cleaner

TYPE of device	Serial number	EC certificate of conformity	Measured sound power level Lwa	Acoustic performance level guaranteed
GP4000BD	xx0001001-xx9999999	1741/3/2020	106 dB	108 dB
			-	-

Test report 6.4.2020 GP4000BD dated 6.4.2020

TECHNICAL INSPECTION a.s., KOŠICE office, participated in the assessment as an accredited inspection body in accordance with EN ISO/IEC 17020.

Relevant EU Directives:
2006/42/EC (+2009/127/EC)
2004/108/EC
2000/14/EC
2016/1628/EC
78/2019 Coll.

Applied standards:

STN EN ISO/IEC 17 020

Manufacturer:

Waspper, s.r.o. Duklianska 51, 05201 Spišská Nová Ves, Slovakia

Place of publication: Spišská Nová Ves

Release Date: 27.2.2020

Manufacturer's representative: Marian Gabriš

Function: Executive

CE - Declaration of conformity

2006/42 CE Enclosure II A

CE

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	Machinary 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

Date: 21/01/2022

Warranty card

Product type:	WASPPER	Stamp and signature:
Serial number:	Sale date:	

In order to improve the quality of services and simplify communication with customers, Waspper, s.r.o. recommends that customers who have purchased our product register their product free of charge on the manufacturer's website: www.waspper.com. This registration will provide the necessary data for faster processing of your complaint or advice on purchasing spare parts and accessories. By registering, the customer will avoid additional steps, such as submitting a proof of purchase or providing a warranty certificate.

1. The manufacturer Waspper, s.r.o. is responsible for hidden defects in the product sold if these defects become apparent during the warranty period. The warranty repair is applied for by filling out and sending 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 a period of 24 months (according to the Civil Code) and 12 months for business entities (according to the Commercial Code). The warranty period begins for simple defects and damage by filling out and sending the complaint report on the website. In the case of more extensive defects, the warranty period begins upon delivery of the product to the manufacturer's address: Waspper, s.r.o, Duklianska 51, 05201 Spišská Nová Ves. The customer will be informed about the receipt of the complaint via the contact information provided in the complaint form.

2. The warranty does not apply to defects caused by: poor operation; inappropriate handling or use that is contrary to the instructions for use or the instructions and recommendations of Waspper, s.r.o.; use or storage of the goods in unsuitable conditions, especially with regard to temperature, dustiness or humidity of the environment; exposure to direct sunlight; damage by natural elements or higher temperatures. The warranty also does not apply to mechanical damage, damage caused by solid particles, frost or other weather influences. The warranty does not apply to damage to the pump due to cavitation. The warranty also excludes cases of engine damage due to lack of oil and due to the ingress of a fluid other than the operating fluid into the internal parts of the engine,

3. After the scope of the repair is assessed by the claims technician, the customer will be informed of the procedure for handling the claim. In cases where the replacement of a damaged component is within the user's capabilities and capabilities, only a replacement component will be sent to the customer. In cases where repair by a service center is necessary, the buyer is obliged to send the damaged device to the manufacturer's address. The goods must be complete (including accessories), properly packaged to prevent damage during transportation, without mechanical damage and without operating charges. If the goods are visibly damaged, incomplete or excessively worn upon delivery to the service center, the manufacturer reserves the right to refuse such a shipment and not accept it.

4. When applying for a warranty repair, the buyer is obliged to provide proof of purchase of the goods (invoice, cash receipt), a warranty certificate and to notify the claimed defect in writing with photo documentation. It is recommended to fill out the complaint form on the manufacturer's website so that the complaint can be processed as quickly as possible. If the manufacturer recognizes the complaint as justified, the repaired product will be sent to the buyer at the manufacturer's expense.

5. If the claims technician finds that the claimed product does not meet the conditions for warranty repair, the claim is considered unfounded and the costs of transporting the product to the customer are covered by the customer.

6. If the repair time exceeds 30 days or if the product is beyond repair, the customer will be given the option of exchanging the goods.

7. The manufacturer's Claims Technician decides on the validity of the warranty. If the warranty is valid, the warranty period is extended by the time the device spent in the claim 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. In the event that the product component that is the subject of the claim is no longer supplied, the manufacturer will provide the customer with an adequate replacement that will be equivalent in performance parameters to, or better than, the claimed component.

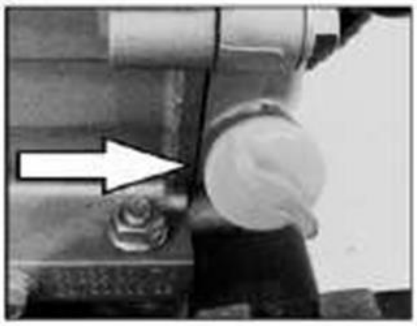
8. The buyer undertakes to read all information about the goods on the packaging or in the instructions for use immediately after delivery of the goods, thereby acknowledging that the delivered product will retain its positive properties only if it is used and stored correctly. In the event of failure to comply with the obligation set out in this point, Waspper, s.r.o. is not liable for defects in the goods and damage incurred in connection with the breach of this obligation to the buyer or any third party. The buyer is obliged to check the integrity of the packaging and the product when purchasing or when receiving the shipment from the postal courier. In the event 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 no later than within 4 working days. Later complaints about damage to the goods during transport will not be accepted.

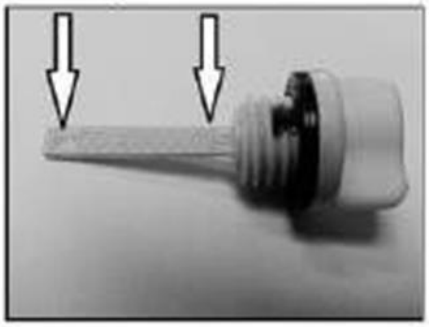
Technical data

Device type	GP4000BD			
Engine type	Briggs and Stratton XR2100 420cm3/ 10kw			
Maximum speed	3600 rpm			
Engine type	Four-stroke OHV			
Torque	28.6 Nm/ 2600 rpm			
Spark plug	Brisk: L15YC gap 0.7-0.8mm			
	Champion: N7YC			
	NGK: BP6ES			
Tank capacity	6.6L			
Oil filling capacity	1.1L / 10w40			
Water pressure and flow	4000psi/ 275bar 18L/ min			
Net weight	71,5kg			
Height	96 cm			
Width	57cm			
Length	76cm			
Self-priming function water	Yes			
Fuel consumption	4L/hr.			
Container volume for detergent	----	----	----	

Preparing the device before the first start!

Checking the oil level in the engine

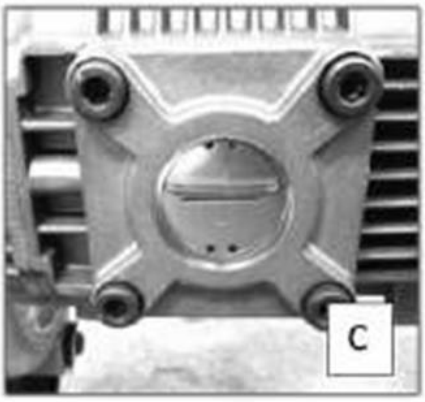




The engine is factory-installed without oil!

Unscrew the oil plug with the dipstick and pour in the engine oil supplied with the cleaner. Pour 1.1L of oil into the engine. Screw the plug back into the engine. Unscrew the plug and check that the level is between the La and H marks.

Preparing the pump for operation



(Fig. C) If it is necessary to top up the oil in the pump, use only oil of the grade: 15w40 SF-SJ. Do not exceed the maximum oil level! This may lead to damage to the shaft seals and oil leakage from the pump. The correct procedure for checking the oil level is given in the section: Pump.

Choosing a high-pressure nozzle





Select the desired Nozzle. The rule applies: The wider the spray angle, the larger the coverage area, the weaker the cleaning effect. Insert the nozzle into the end of the stainless steel gun attachment by pulling on the outer ring.

terminals towards the gun.

Checking the condition of the battery



There is a voltmeter on the battery box. It is used to check the battery voltage and also to check the charging while the engine is running. Press and hold the red button to activate the voltmeter. Wait a few seconds until the LED movement stabilizes. If the battery status is registered with an orange or red LED when the engine is off, the battery needs to be charged with the included charger. If the charge level is registered with a green light while the engine is running, everything is OK. If the orange or red light under the name BATTERY lights up, it is necessary to measure the charge level with a digital voltmeter.