

Instruction Manual

EN



PC107

PC108

PC114



Engine driven



Translation of the original operation manual.

* The picture of the device is illustrative and doesn't necessarily correspond to the actual display of the supplied device

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Safety Symbols Used

When reading these operating instructions, you will encounter the following symbols.



- Read the operating instructions, observe warnings and safety instructions.
- Be especially careful and pay special attention.



- Use personal protective equipment.



- Hot surface! Don't touch the engine when it's hot!



- Warning! Poisonous gases! Never use the engine indoors!



- Warning! Danger of explosion or fire. Allow the engine to cool before refuelling!

ATTENTION

Read these original instruction manual and the enclosed safety instructions before using your new device for the first time. Observe the instructions. Keep the instructions for possible later reference or for the next owner of the device.

Use of the Product in Accordance with Its Intended Use

This petrol engine powered pump can be used:

- only in private households;
- for pumping clean water from wells, streams and tanks;
- with accessories and spare parts approved by WPW Center s.r.o.
- In an environment where the device will not be exposed to direct splashing of contaminated water with solid particles.

Environmental Protection



The packaging materials are recyclable. Dispose of packaging in accordance with the environmental policy.

Old machines contain valuable recyclable substances that should be reused. Old devices must be disposed of in an environmentally friendly way.

Cleaning work that produce waste water that contains oil, e.g. when cleaning the floor of the machine, can only be performed in a washroom with oil separators. Work with detergents may only be carried out on work areas sealed against leakage of liquid and connected to the sewage system for contaminated water. Avoid leakage of detergents and petroleum substances into water or soil.

Safety

Safety Instructions

Read the enclosed 'Safety Instructions' before using this device for the first time.



In order to protect hearing and sight, it's advisable to use protective equipment to muffle the noise and to protect your eyes from splashing water during the pump's operation.


Danger Levels




DANGER - A warning of imminent danger which may cause serious injury or even death.



WARNING - A warning of a potentially hazardous situation that could cause minor injuries.

 **CAUTION** - A warning of a potentially hazardous situation that could cause material damage.

Safety Features

 **WARNING** - Safety features serve to protect the user from injury and may not be altered or removed. In the event of damage, they must only be replaced with an original part.

Protective Covers for Hot or Rotating Parts



Protective covers are used to protect the pump operator from injuries due to the high temperatures of some parts of the combustion engine or from accidents caused by device's rotating part.

Scope of Delivery

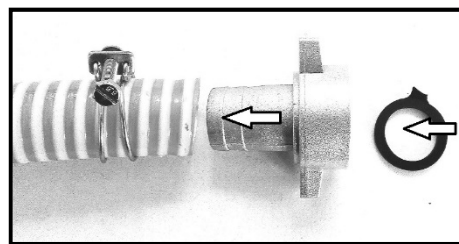
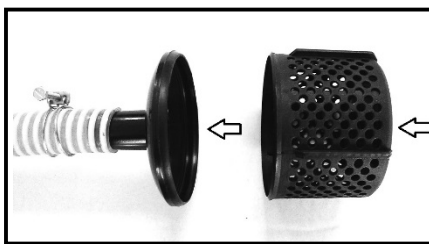
The scope of delivery is shown on the packaging or on the order of the goods. When unpacking, check the completeness of the contents. Please inform the seller if any parts are missing or if you find any damage caused by transport.

Additional Requirements

A fabric-reinforced water hose with a diameter of at least 1" (25mm) or 1.5" (38mm) for connection to the outlet terminal of the pump. The maximum length of the outlet hose is 150 metres. Basic rule: The longer and thinner the hose, the smaller the water flow at the end of the hose. Engine oil.

Assembly

The device is assembled in the manufacturing plant. Take the pump out of the box and place it on a flat surface. Take the hose ends, clamping clips, suction strainer and suction hose from the transport bag (if included). Put the clamping clip onto the hose and then insert the upper part of the suction strainer into the hose. Take care not to damage the plastic body of the strainer by using excessive pressure! Tighten the clip on the suction strainer shank to prevent it from falling out of the hose. Assemble the bottom and top of the suction strainer by pushing the two parts together. Put the second clamping clip on the other end of the hose and insert a metal terminal for clamping the pump to the suction hose. Tighten the clip to prevent the hose from falling out and the air from entering the suction section. It's necessary to attach a hose terminal on the discharge side of the pump according your needs. **The leakage in this section will result in poor pump performance and excessive blade wear. Don't forget to attach the seal to the terminal.** In the next step, it's necessary to fill the engine with engine oil (if your engine is a 4-stroke type) according to the instructions in the **ENGINE** section (p. 3) and pour fresh petrol with an octane rating of 95 into the tank. **If your engine is a two-stroke type, it's necessary to mix petrol with two-stroke oil in a ratio of 25 parts of petrol and 1 part of oil 1:25** (for example, 250 ml of petrol and 10 ml of oil). Failure to observe this mixing ratio or the use of clean petrol will result in damage to the engine that isn't covered by the warranty.

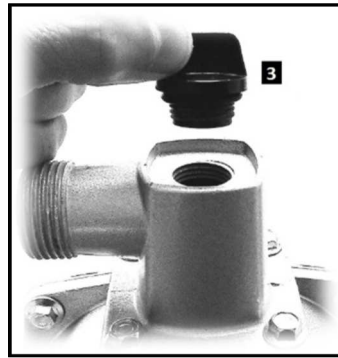
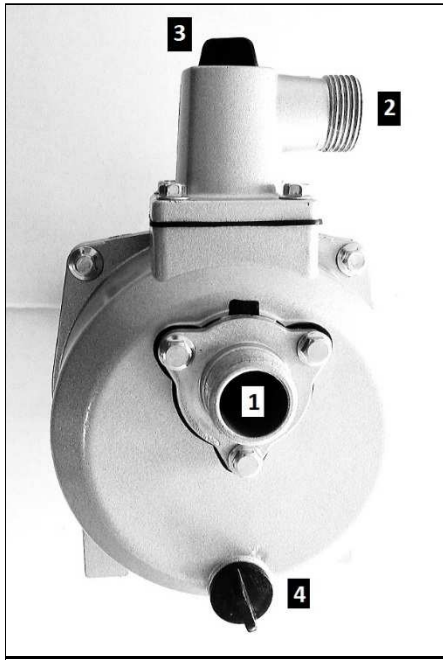


The standard supplied terminals have the following dimensions:

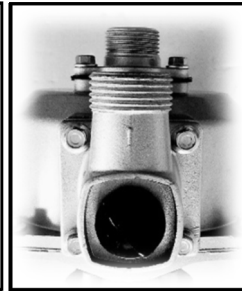
PC107 - 1" / 25mm
PC108 - 1" / 25mm
PC114 - 1.5" / 38mm

Putting into Operation

WARNING Don't start the pump without pre-filling the pump with water. Running a dry pump will damage the sealing element on the shaft. When starting the pump, proceed as follows. Connect the suction hose with the suction strainer to Flange 1 on the front of the pump. It's essential that the joint between the hose and the pump is tight and there is no air intake around the bearing surfaces. Then connect the outlet hose for pressure water to Flange 2. In the next step, it's necessary to pour water into the pump. Remove Cap 3 turning it to the left (anti-clockwise). Pour clean water into the pump up to the level of the mouth of the cap hole. The water won't flow out as the backflow valve prevents water from flowing through the suction pipe. Subsequently, put Cap 3 back into the pump turning it to the right (clockwise) and tighten it by hand. Check the tightness of Drain Cap 4. Excessive tightening with pliers may result in damaging the cap. Immerse the suction hose suction strainer into the water source needing to be pumped. After pumping is completed, any water remaining inside the pump must be drained by unscrewing Cap 4. Storing the pump filled with water over a long period of time will cause internal corrosion on the pump blades and scale on rotating parts, therefore, reducing the pump's life.



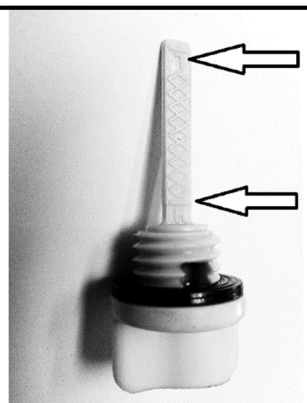
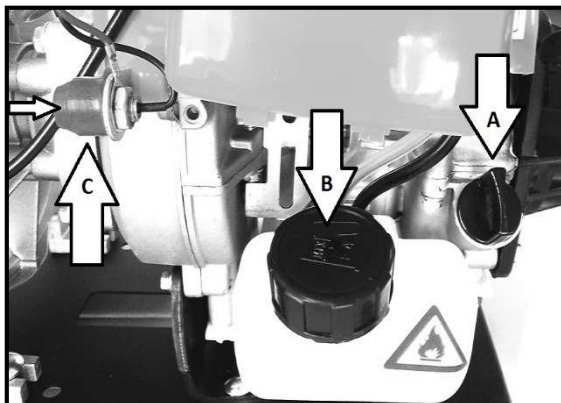
The pressure water output flange can be turned by 90° if necessary, by unscrewing 4 screws.



Start the engine and adjust the engine speed with the throttle. Refer to the ENGINE section for more information on starting the engine. It's necessary for the engine to run at higher revolutions until the pump takes in water from the source. The suction process can be seen through a transparent suction hose. If the pump doesn't exert pressure within 30 seconds after starting the engine, turn-off the engine and follow the Troubleshooting instructions. CAUTION: Draining water from a depth of more than 3 metres may require water replenishment to the pump as described in the Putting in Operation section.

Dry running for more than 60 seconds will cause pump damage! WARNING: If the pump takes in air, it's necessary to remove the leakage on the suction pipe and repeat the whole process of pouring water into the pump. Damage caused to equipment due to non-compliance with this instruction the warranty will be deemed invalid.

Engine



PC107 4-stroke engine: Before starting the pump for the first time, the correct amount of engine oil **MUST** be poured into the engine. The exact amount required is specified in the Technical Specifications. Place the pump on a level surface. Open oil tank cap **A** which also contains an oil level dipstick. Pour approximately ¾ of the required oil into the engine. Screw the cap into the engine; turn the engine by pulling the starter cord. Open the cap, wipe the dipstick and check the engine oil level.

CAUTION: The dipstick will show the correct oil level after fully screwing the oil-filler cap back on. Add the oil so that the oil is in the upper half, between the MIN and MAX marks.

Open the petrol tank cap and gently pour petrol into the tank. To achieve full engine power, fresh petrol with an octane rating of 91 or more must be used. Old petrol has other physical properties and may cause irregular engine running or reduced pump performance. **Only use pure petrol without oil – your engine is a four-stroke type.**

The PC108 and PC114 2-stroke engines: Your engine doesn't have or use a separate oil fill in the engine. The inner parts of the engine are lubricated with oil dissolved in petrol. **Therefore, it's necessary to mix the prescribed amount of special 2-stroke engine oil with petrol in the prescribed 25:1 ratio before pouring petrol into the engine. Failure to follow this instruction may result in permanent engine damage and loss of warranty.** The mixing ratio of 1:25 means that 1 part of oil for 2-stroke engines is added to 25 parts of petrol (for example: 0.25l of petrol and 10ml of oil; 0.5l of petrol and 20ml of oil; 1l of petrol and 40ml of oil). Less oil will cause excessive wear to the inner parts. More oil will clog the inner parts, the spark plug and exhaust with unused burned oil.

Starting the Engine



DANGER

A running engine produces carbon monoxide which is a colourless, poisonous and odourless

gas. Inhalation of carbon monoxide may cause nausea, headaches, dizziness, vomiting or even death!

The device may only be used in an outdoor environment where there is proper ventilation. At the same time, it's necessary to ensure that exhaust fumes don't enter enclosed rooms through uncovered openings for the building.

When working with a running engine, turn the device so that the exhaust pipe doesn't point towards people standing nearby or towards openings in the buildings (garage, porches, cellars, etc.).

During operation, the engine produces waste heat, resulting in several hot components (exhaust and engine cylinder) that can cause severe burns when touched. Flammable substances making contact with any of these hot components may result in a fire. Use this device at a minimum distance of 2 metres from highly flammable materials.



DANGER

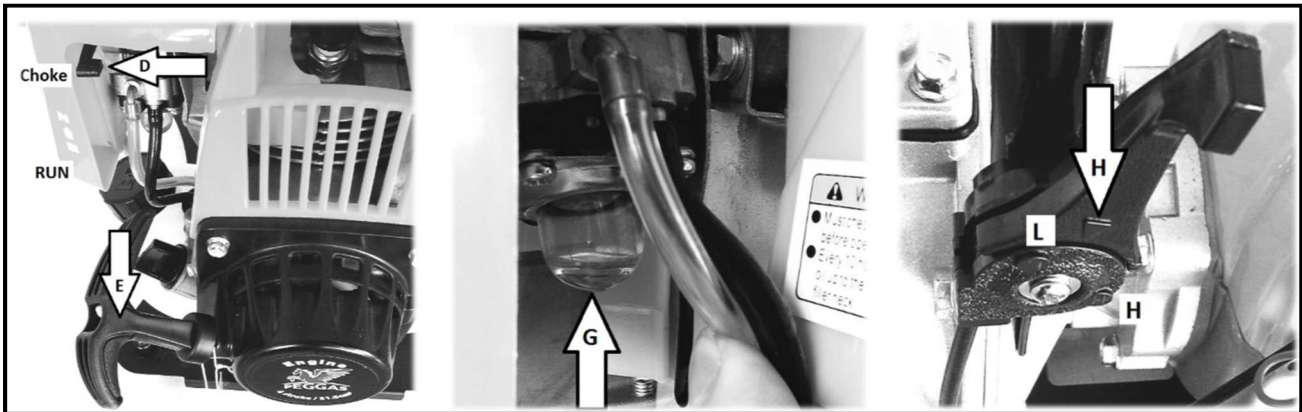
Petrol vapours are extremely flammable and explosive, which can lead to burns, fire or explosion due to

incorrect handling. If inhaled, vapours may cause disorientation, vomiting or even permanent damage to the respiratory tract. Only open the tank in well-ventilated rooms or in an open space. Allow the engine to cool for 5 minutes before pouring petrol into the tank. Then carefully open the petrol tank cap and carefully start to pour the petrol into the tank. NEVER fill petrol to the brim as the petrol heats and spreads when using the engine which can lead to petrol leakage through the cap and subsequent explosion or fire. NEVER put the pump in a position whereby petrol can escape from the tank.

NEVER try to start the engine if the components for the fuel supply, ignition or protective elements are damaged.



PC107 4-Stroke Engine



Move speed control lever **H** to 1/3 of the path between points **L** and **H** closer to **L** as shown in the figure above. Move choke control lever **D** to **CHOKE (up position)**. Push membrane **G** located between the air filter and the engine block on the underside of the carburettor 6 times with your finger. By doing this, you will draw petrol from the tank to the engine. Hold the pump firmly by the handle with one hand and starting cord handle **E** with the other hand. Pull the starting cord until you feel the engine resistance. Then sharply pull the handle to prevent kickback.

If the engine doesn't start first time, repeat the start by pulling the starter handle.



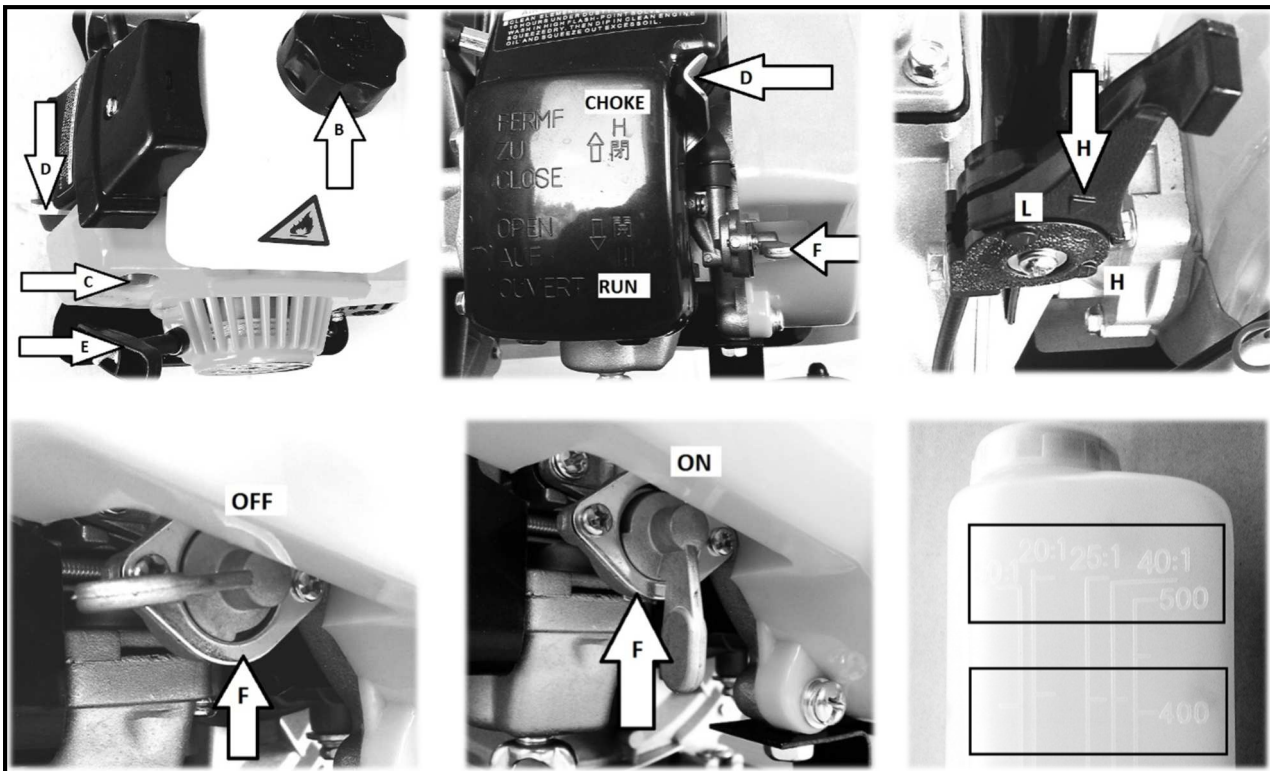
WARNING Starting cord kickback (the engine acting against the movement of the starting cord) pulls the arm and hand towards the engine faster than release it which can result in a sprain, bruises or a fracture.

After starting the engine, move choke control lever **D** to **RUN (down position)** slowly.

TURNING THE ENGINE OFF

The engine is turned-off as follows. Move engine speed control lever **H** to the left towards the **L** position and allow the engine to run for 15-20 seconds at reduced speeds. Then press **C** (page 3) and hold it until the engine stops completely.

The PC108 and PC114 2-Stroke Engine



Pour the petrol with the prescribed ratio of 2-stroke engine oil into the tank at by unscrewing petrol tank cap **B**. Don't use conventional 4-stroke engine oil or gear oils as they're not intended for direct combustion in the engine and will destroy a 2-stroke engine. Put fuel valve **F** (located at the bottom of the engine on the left) to the **ON** position. Move choke control lever **D** to **CHOKE** (up position). Move speed control lever **H** to 1/3 of the path between points **L** and **H** closer to **L** as shown in the figure above. Hold the pump firmly by the handle fir with one hand and hold starting cord handle **E** with the other hand. Pull the starting cord until you feel the engine resistance. Then sharply pull the handle to prevent kickback. If the engine doesn't start first time, repeat the start by pulling the starter handle.



WARNING Starting cord kickback (the engine acting against the movement of the starting cord) pulls the arm and hand towards the engine faster than you can release it which can result in a sprain, bruises or even a fracture.

After starting the engine, move choke control lever **D** to **RUN** (down position) slowly.

TURNING THE ENGINE OFF

The engine is turned off as follows. Move engine speed control lever **H** to the left towards the **L** position and allow the engine to run for 15-20 seconds at reduced speeds. Then press **C** and hold it until the engine stops completely.

Mixing fuel with oil in the attached plastic container.

Place the container on a level surface. Fill clean petrol to the 300, 400 or 500ml line. Then, add oil to the petrol with a mixing ratio of (1:25-25:1) until the level reaches the 25:1 mark above the 300, 400 or 500ml level. The individual areas are framed in the picture. Close the mixing container and mix thoroughly. Now the petrol mixture for 2-stroke engines is ready to be poured into the petrol tank.

NEVER spray water on a hot engine. Such action may result in water entering the fuel or ignition systems. To clean the engine, use a damp cloth and compressed air to blow the dust away from the air filter area.

Maintenance

Every 8 hours or daily	Check engine oil level (type PC107) Check the area around the air filter and exhaust for dirt
After the first 10 hours	Replace the engine oil
Every 25 hours or at the end of the season	Clean the air filter Replace the engine oil
Every 100 hours	Check and set the spark plug electrode Checking the fuel line

During operation, in rare cases, protective metal covers may become loose due to vibration. It's necessary to tighten these components as the long-term effect of vibrations on the loosened cover causes damage to the mounting holes. If the exhaust, air filter or cooling fan protective cover is damaged, these parts have to be replaced by original parts as this is the only case where maximum safety can be guaranteed.

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

Winter Storage

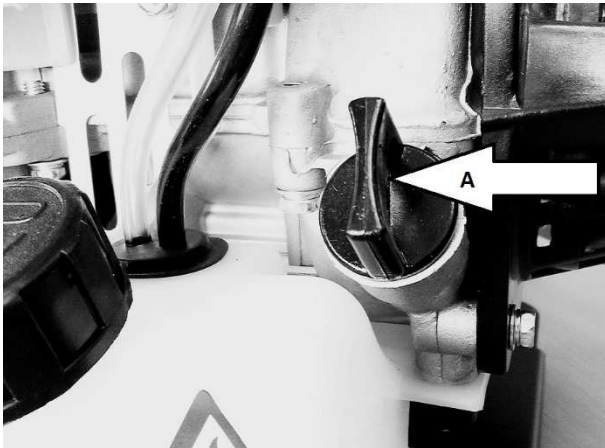
Proper long-term storage is crucial to achieving seamless operation in the following season. Extend the life of the engine by storing it properly.

The following steps will provide you with the maximum protection of engine components against corrosion and wear of sliding parts of the engine. The engine must be kept in a room and engine temperature must be less than 50 °C. Use a damp cloth to clean the engine from dust and dirt. After drying, treat any damage with paint or cloth saturated with oil. This prevents the air from entering the sheet metal and subsequent corrosion.

Open the fuel tank cap and check the amount of fuel in the tank. The long-term presence of fuel in the tank during storage has a bad influence on fuel quality. This can result in irregular engine running and reduced power. Remove petrol from the tank and carburettor through the drain screw located on the bottom of the carburettor. **DO NOT OVERTURN THE ENGINE.**

THERE IS A RISK OF OIL LEAKAGE (Type PC107)! It's recommended to replace the engine oil at the end of the season. This extends the life of the engine.


Engine Oil Replacement



It's advisable to replace the engine oil after using the device (according to the maintenance schedule). Turn the engine off. Allow the device to cool slightly to keep the temperature below 50 °C. This prevents possible burns. It's advisable that the engine is still warm. **Warm oil flows out of the engine much easier.**

- Unscrew the OIL CAP WITH DIPSTICK (A).
- Place a container holding a minimum volume of 0.5 l under the drain screw.
- Tilt the pump so that the oil can flow through the opening of cap A. Be careful with regards to the petrol! With a high fuel level, it can escape from the tank through the cap while draining the oil.
- Allow the oil to run freely into the prepared container.
- If the oil stops running, clean the area around the cap, pour new oil in as instructed on page 3 (Engine section), and gently tighten the cap with the dipstick back to its original position.

The oil specification is given below. - The exact amount of oil is specified in the Technical Specifications.

-  Used engine oil must be delivered to one of the specified collection points. **Engine oil is hazardous waste!**

Engine Oil Specification

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

The minimum requirements to be met by the oil are: viscosity class of 10W30 or 10W40 with quality level of SF and higher (SG, SH, SJ).

The use of 10W30 engine oil at temperatures higher than 27 °C can lead to increased oil consumption. Therefore, it's necessary to pay extra attention to the oil level if the device is operated at these temperatures with 10W30 oil. It's recommended to use 10W40 oil with the quality level of SF and higher (SG, SH, SJ).

The engine oil supplied exceeds the minimum quality requirements and ensures safe engine operation with minimal wear on inner parts under demanding operating conditions.

If it's necessary to add engine oil, use only the same oil type and brand as the one already in the engine. Mixing different types of oils isn't recommended!

Pump

Your pump is an all-metal structure to guarantee long service life and trouble-free operation. The pump contains moving parts with a very precise fit. Therefore, it's **NECESSARY** that water supplied to the pump is free from major mechanical impurities. The dirt meshes the bearing surfaces in the pump and increases the play between the inner parts and reduce the outlet pressure. Power transmission from the engine to the pump is provided via a centrifugal clutch that disconnects the pump from the engine at idle and low revolutions.



DANGER



The pump produces high pressure at the outlet and as a result splashing water may have devastating effects on soft objects. It's **FORBIDDEN** to direct a stream of water towards humans or animals. Failure to obey this warning may have devastating effects, resulting in permanent blindness.



CAUTION

High pressure can cause damage to soft and sensitive objects. It isn't recommended to use a high-pressure water stream from the immediate vicinity for cleaning glass, non-coherent paint and plaster. Strong water flow can change the surface structure which may be permanent. In case of doubt, it's advisable to test the pressure water action on a sample where potential damage to its surface won't affect the functionality or appearance of an object.

Mechanical damage to inner parts of the pump due to contaminated water isn't covered by the warranty! Rubber and plastic sealing elements are used in the pump. For this reason **only water with a maximum temperature of 40 °C can be used in the water supply.**

Ensure that the water level in the container from which the water is taken is as high as possible to supply water into the pump. Small difference in the levels will make it easier to draw the water, therefore, reducing the risk of cavitation – a phenomenon that occurs when air bubbles begin to bubble out of the fluid. This can happen in the inside the pump if the vacuum at the inlet is too high – harder suction.

Therefore, use a hose with the largest diameter and as short as possible for suction purposes. Follow the instructions on page 2 (Putting into Operation).

Winter Pump Storage

Storing the pump in rooms where the ambient temperature is below freezing point can cause irretrievable damage to the inner components if the pump isn't drained properly!

Procedure to drain residual water from the pump: Switch off the engine. After pumping is completed, pump water must be drained by unscrewing Cap 4 (see pages 2-3 Putting into Operation). Storing the pump filled with water for a long time will cause internal corrosion of the pump blades and scale on rotating parts, therefore, reducing the pump's life.

Disconnect the supply hoses from the pump. Hold the starting cord handle and pull the cord **5 times** as if you are starting the engine. By doing so, the water from the inner parts of the pump flows through Cap 4. After draining the water, screw the cap back into the pump body.

It isn't recommended to store the pump in rooms where the temperature drops below freezing point as a significant change in outside temperatures can cause water vapour condensation even in areas where water is otherwise not available. This can cause internal corrosion and significantly shorten the life of the pump and the engine.

Troubleshooting

Problem	Cause	Solution
The pump cannot create the necessary water pressure, interrupted water flow, low water flow	<ol style="list-style-type: none">1. Water supply is blocked2. Low water volume3. Non-sealing joints on the suction side of the pump4. Damaged pump5. Incorrectly watered pump during self-suction	<ol style="list-style-type: none">1. Check the free flow of water2. Use a larger diameter hose or reduce the difference in the distance between the level and the pump3. Check joint tightening, replace gaskets4. Contact a service centre5. Check the tightness of all connections on the suction side, water the pump as instructed on (pages 2-3)
The engine runs well without the load, but it's uneven when loaded.	<ol style="list-style-type: none">1. Low engine speed2. Blocked pump	<ol style="list-style-type: none">1. Adjust the position of the speed lever2. Remove the cause of the blocked pump rotor

Engine stopped during operation	<ol style="list-style-type: none"> 1. The engine consumed fuel 2. The spark plug terminal dropped off 3. Low engine oil level 	<ol style="list-style-type: none"> 1. Add fuel into the tank 2. Check the spark plug terminal 3. Check the engine oil level and the possibility to spin the engine using the starting cord – add oil
The engine cannot be started or it can but runs unevenly	<ol style="list-style-type: none"> 1. Clogged air filter 2. There is no fuel in the engine 3. Old fuel 4. Spark plug terminal isn't connected to the spark plug 5. Inoperative spark plug 6. Fuel contaminated with water 7. Incorrect fuel/air mixture ratio 	<ol style="list-style-type: none"> 1. Clean the air filter 2. Add fuel into the tank 3. Replace fuel with new fuel or add more fuel 4. Check the spark plug terminal fitting 5. Replace the spark plug with a new one 6. Drain fuel from the tank and carburettor, and refuel with fresh petrol 7. Contact a service centre
The engine has no power	<ol style="list-style-type: none"> 1. Clogged air filter 2. Old fuel 	<ol style="list-style-type: none"> 1. Clean the air filter 2. Add fresh fuel into the tank

Only use original spare parts. This will ensure that your device is running smoothly.

Warranty

The warranty terms of our distribution organisation apply in every country. Any device defects will be removed free of charge during the warranty period if they are caused by a material failure or manufacturing failure. When applying the warranty, please contact your dealer or the nearest authorised service centre and have your purchase receipt. A list of approved service centres is available on our website: www.wpw-center.com

The effort of WPW Center s.r.o. is to continuously improve the technical characteristics and user comfort of its products. For this reason, the manufacturer reserves the right to change the design and controls of the device without prior notice to the final customer. The position of all the controls and safety features shown in this manual corresponds to reality. Changing the design of the control levers may not be recorded in these instructions.

Technical Specifications

Type of Device	PC107	PC108	PC114
Engine	Peggas 31.5 cm ³ /0.7 kw	Peggas 41.5 cm ³ /1.45 kw	Peggas 41.5 cm ³ /1.45 kw
Maximum speed	9000 rpm	10000 rpm	10000 rpm
Engine type	4-stroke OHV	2-stroke mixture: 25:1	2-stroke mixture: 25:1
Fuel type	Unleaded 95	Unleaded 95 mixture with oil 25:1	Unleaded 95 mixture with oil 25:1
Spark plug	Brisk: NAR17 gap 0.6-0.7 mm	Brisk: P17Y gap 0.6-0.7 mm	Brisk: P17Y gap 0.6-0.7 mm
	Denso: U16FSUB	Champion: CJ8Y	Champion: CJ8Y
	NGK: C5HSB	NGK: BPM6A	NGK: BPM6A
Petrol tank capacity	0.9 l	1 l	1 l
Oil fill capacity	0.1l / 10w40	N/A	N/A
Maximum water flow and displacement	35 m 7500 l/hour	38 m 8000 l/hour	30 m 14000 l/hour
Terminal size	1"/25.4 mm	1"/25.4 mm	1.5"/38 mm
Net weight	7.5 kg	6.9 kg	8.3 kg
Height	34 cm	34 cm	35.5 cm
Width	24.5 cm	27 cm	27 cm
Length	41.5 cm	35.5 cm	38 cm
Self-suction function	Yes - 8.5 m	Yes – 8.5 m	Yes – 8.5 m

Component Breakdown



Pump handle
Speed control lever
Spark plug
Petrol tank
Engine shutdown button
Air filter
Starting cord
Engine cover
Exhaust
Fuel valve
Choke control lever
Bottom pump frame



Pump pouring cap
Outlet pipe
Pump body
Engine shutdown button
Suction line
Petrol tank
Pump drain plug
Bottom pump frame



Pump handle
Speed control lever
Spark plug
Exhaust
Air filter
Choke control lever
Starting cord
Cap with oil fill dipstick
Bottom frame



EU Declaration of Conformity

The company WPW Center s.r.o. hereby declares that the water pumps defined below comply with the relevant EU directives on occupational health and safety of the device operators. Any alteration of the device without the prior consent from the manufacturer will render this declaration void.

Product details: Water pump

TYPE	Inspection reports	Noise level measured	Guaranteed noise level
PC107	4288/3/2017-01	99dB	101dB
PC108	4288/3/2017-02	102dB	104dB
PC114	4288/3/2017-03	103dB	105dB

Certificate issued by: TECHNICKÁ INŠPEKCIA a.s., pracoviško KOŠICE, ako akreditovaný inšpekčný orgán v zmysle EN ISO/IEC 17020

Applicable EU Directives:
2006/42/ES (+2009/127/ES)
2004/108/ES
2000/14/ES

Standards applied:

STN EN ISO/IEC 17 020

Producer:

WPW Center s.r.o., Radlinského 20, 05201 Spišská Nová Ves, Slovensko

Issued in: Spišská Nová Ves

Manufacturer's representative: Dobroslava Šupolová

Issue date: 1.10.2017

Position: Managing Director

Warranty Certificate

Product type:	WASPPER	Stamp and signature:
Serial number:	Date of purchase:	

In pursuit of service enhancement and simplification of communication with customers, the company WPW Center s.r.o. recommends its customers, who purchase this product, to register their product via the manufacturer's website: www.waspper.com. This registration will provide inevitable data for faster processing of your complaints or consulting relevant to purchasing of spare parts and accessories. This registration enables the customer to avoid further procedures, as submitting of the purchase receipt or the warranty certificate.

1. The manufacturer - WPW Center s.r.o. - is liable for inherent defects of the product purchased, if such defects become evident within the warranty period. Application of claims for repairs under warranty requires completion and submission of the complaint form via the manufacturer's website: www.waspper.com. The product is covered by a full warranty of 24 months for private customers (as defined by the Civil Code) and 12 months for corporate customers (as defined by the Commercial Code). The warranty period commences upon completion and submission of the complaint report via the website in case of simple defects and damages. The commencement of warranty in case of major defects starts upon the product delivery to the manufacturer's address: WPW Center s.r.o., Radlinského 20, 05201 Spišská Nová Ves. Acceptance of complaint will be notified to the customer using the contact details entered in the complaint form.

2. The warranty does not cover defects incurred due to: wrong operation; improper handling or use contradictory to the operation manual or instructions and recommendations from the company WPW Center s.r.o.; use or storage of goods within inappropriate areas, especially with respect to temperature, dust formation or ambient humidity; exposure to direct sunlight; damage attributable to natural disasters of force majeure. The warranty does not apply to mechanical damages, any damages due of solid particles, frost or other weather effects. The warranty does not apply to damage to the pump caused by cavitation. Other exemptions from warranty include damages to the engine due to lack of oil and ingress of any other but operating fluid among internal engine components.

3. Particular steps of claims processing will be notified to the customer following assessment of the scope of repair by the claims engineer. Whenever the replacement of a damaged component can be performed by the customer, the latter will receive a relevant spare part only. If the repair by a servicing centre is inevitable, the customer is obliged to mail the damaged device to the manufacturer's address. The device must be complete (including accessories) and packed properly to prevent its damage during transport, it must be free of mechanical damage and contain no operating fluids. If the goods submitted to the servicing centre shows evident signs of damage or excessive wear, the manufacturer reserves the right to reject such consignment without acceptance.

4. Claims for repairs under warranty oblige the customer to provide the receipt of purchase (invoice, cash receipt) together with the warranty certificate and written description in support of their claim, including photographic documentation. It is recommended to complete the complaint form via the manufacturer's website to ensure the fastest processing of the claim as possible, if the manufacturer acknowledges such claim as justified, the repaired item will be sent to the customer and the postage/freight will be covered by the manufacturer.

5. If the claims engineer finds out the product does not comply qualifications for repair under warranty, the claim will be considered unjustified and the costs of product transport to the customer will be paid by the latter.

6. Should the repair period exceed 30 days or if the product is irreparable, the customer will be offered a replacement item.

7. Justification of claims will be assessed by the claims engineer at the manufacturer. Justified claims will extend the warranty period by the period taken by the claim processing period. Such action will be confirmed to the customer by means of a document in writing, dispatched together with the product or sent via e-mail. If the product subject to claim contains any discontinued component, the manufacturer will provide the customer with an adequate replacement item with its parameters corresponding with the returned product or even better.

8. The customer undertakes to read all the information found on the packaging or in the operation manual; to do so immediately following the product delivery, to acknowledge that preservation of the positive characteristics of the product delivered will be subject to its proper operation and storage. Any disregard to obligations defined herein relieve the company WPW Center s.r.o. from any liability for defects of goods or damages incurred due to breach of this obligation by the customer or any other third party. The customer is obliged to check the intact condition of packaging and product during the purchase and takeover of the consignment from the postman. Any damage to the packaging must be reported to the carrier and recorded immediately. Any damages found only after unpacking of the product must be notified to the distributor within the maximum period of 4 working days. No later claims for product damage can be accepted.