

P I T POG800 Self Priming Pump



# P I T POG800 Self Priming Pump Instruction Manual

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# P.I.T.

P I T POG800 Self Priming Pump



Please read the instruction manual carefully before use!

## Safety instructions

### General Power Tool Safety Warnings

**WARNING** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

### ATTENTION!

- Do not use the product without protective grounding!
- Installation of a residual current device (RCD) with a rated leakage current of 30 mA is mandatory!
- The installation of the product and the electrical outlet for connecting it to the mains must be carried out by qualified electricians.
- To avoid accidents, it is strictly forbidden to carry out any repair / maintenance work on the equipment without disconnecting it from the electrical network.

### WARNING!

- Operation of the surface pump “dry” (without water) is not allowed.
- Do not allow air to enter the suction line.
- The temperature of the pumped-over liquid must be from + 1 ° C to + 35 ° C.

### Electrical safety

**ATTENTION!** If the safety instructions are not followed, there is a risk of electric shock.

- Check the power cord and plug for damage before using the appliance.

- All electrical connections must be in a flood-proof location.
- Unsuitable extension cords can be hazardous. Outdoors, use only approved and appropriately marked extension cords with sufficient wire cross-section.
- Do not use the mains power cable to transport or fix the instrument.
- When disconnecting the appliance from the power supply, pull the plug, not the cable.
- Be careful not to pinch the power cord or rub it against sharp edges.
- Install the device in a rack and over- fill-proof position.
- The mains voltage must correspond to the voltage specified in the technical specifications.
- Protect the appliance from rain and moisture. Water penetration into the appliance increases the risk of electric shock.
- Do not point the water jet directly at the pump or other electrical components. Danger to life – possible electric shock.
- The pump must not be used as a submersible pump.
- When using the pump near swimming pools, garden ponds or fountains, keep a minimum distance of 2 m and protect the device from slipping into the water.
- When there are people in the pool or garden pond, do not use the pump.
- Electrical connections must only be made by a qualified electrician.

### **Safety of people**

- For safety reasons, persons under the age of 16 or those who have not read this manual must not be allowed to work with the device.
- The pump is not intended for use by persons with reduced physical or mental capabilities or lack of experience and knowledge of the user, unless he is supervised and instructed in the use of the device by a person responsible for safety.
- It is forbidden to operate and service the pump while in a state of extreme fatigue, alcoholic, drug intoxication or under the influence of strong medications.
- Keep children and pets away from the pump while it is running. Children should be supervised to ensure that they do not play with the device.

### **Safety instructions for working with the pump**

- Any use of the pump in violation of the rules of ego operation is considered improper use. Damage resulting from use for other purposes is solely the responsibility of the user.
- The pump is not intended for professional or industrial use. Long-term continuous use is not allowed. Unauthorized modifications to the pump design, as well as the use of parts that have not passed the tests and are not approved for use by the manufacturer, are prohibited.
- It is forbidden to pump explosive, flammable, corrosive or health hazardous substances, as well as water containing mechanical impurities in the form of sand, stones, etc.
- The pump is not suitable for pumping chlorine-containing water in swimming pools.
- Not recommended for pumping drinking water.
- When starting the pump for the first time, ensure that it is completely filled with water. it is not allowed to operate the pump without water consumption.
- Air entering the suction line is not allowed.

- To avoid freezing, the water must be completely drained from the pump and from the suction and pressure lines.

## Product Description and Specifications

- Read all the safety and general instructions. Failure to observe the safety and general instructions may result in electric shock, fire and/or serious injury.
- Please observe the illustrations at the beginning of this operating manual.

### Intended use

The garden pump is designed for pumping clean water in garden plots when draining tanks and reservoirs, organizing water intake from a depth (wells, wells) and supplying it to a height, using it in aeration and drainage systems for a limited period of time.

### Product Features

The numbering of the product features refers to the diagram of the power tool on the graphics page.

1. Drain hole
2. Input connection
3. Filler cap
4. Output connection
5. Handle
6. Switch



## Technical Data

## **Model POGS00-P**

- Rated voltage 220 V-/50 Hz
- Rated power 800W
- Flow rate 3.5 m<sup>3</sup>/h
- Bushing diameter holes 25 mm
- Max. head 38 m
- Suction depth 8 m
- Weight 6.5 Kg

## **Contents of delivery**

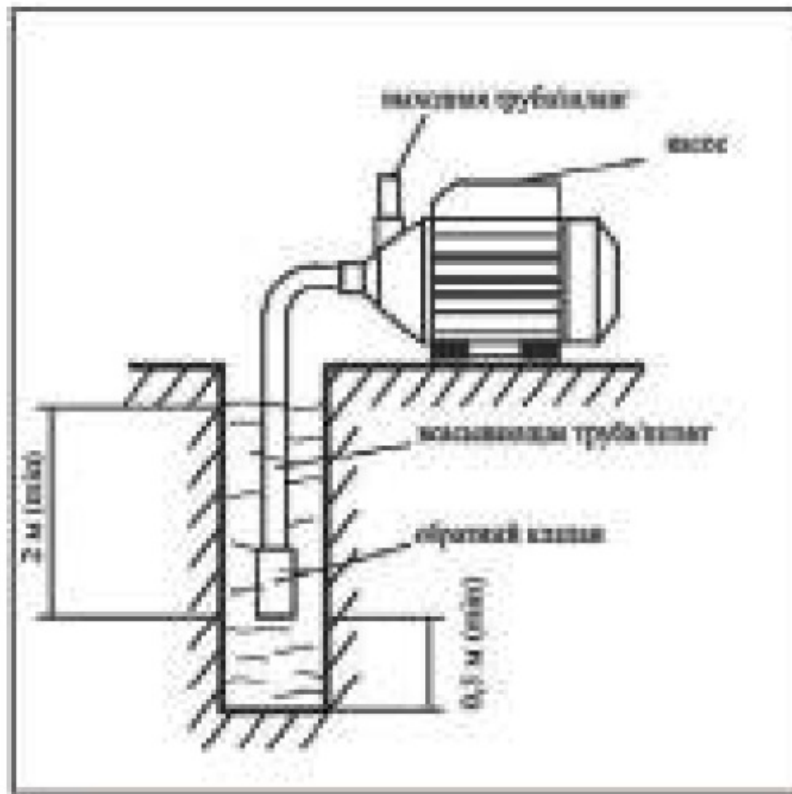
- Garden pump 1 pc
- Handle 1 pc
- Instruction manual 1 pc

## **Note**

- Text and numbers may contain technical errors and typographical errors.
- Since the product is constantly being improved, P.I.T. reserves the right to make changes to the specifications and product specifications specified here without prior notice.

## **Installation**

- The pump must be on a level, level surface suitable for the weight of the pump and filled with water.
- In order to avoid vibrations, the pump must not be firmly screwed on; it must be mounted on an elastic support.
- The installation site must be well ventilated and weatherproof.
- The pump should be installed so that the rotor is strictly horizontal.
- Any other position will significantly reduce its performance (up to 30%) and lead to a reduction in its service life.



## Suction line connection

- **Attention!** The suction line must be installed in such a way that it does not exert any mechanical stress or stress on the pump. Attention! Use a suction filter to protect the pump from sand and dirt.
- **Attention!** To prevent water from flowing out of the turned off pump, it is imperative to install a non-return valve on the suction pipe (not included in the delivery set).
- All threaded connections must be sealed with sealing tape. Air is sucked in through the leaky places, as a result of which water absorption decreases or stops.
- The suction line must have an inner diameter of at least 1 "(25mm). It must be resistant to creases and vacuum.
- The suction line must be so short, as much as possible, since the supply power decreases with increasing line length.
- The suction line must constantly rise towards the pump in order to prevent air pockets from forming.
- A sufficient water supply must be ensured and the end of the suction line must always be submerged.

## Discharge line connection

- **Attention!** The discharge line must be installed in such a way that it does not exert any mechanical stress or stress on the pump.
- All threaded connections must be sealed with sealing tape to prevent water leakage.
- All parts of the pressure pipeline must be able to withstand the pressure; they are installed by qualified specialists.
- **Danger!** In the presence of fragile parts and improper installation, the pressure pipe may burst during operation. Fluid escaping under pressure can injure you!
- To reduce vibrations and noise, the pump must be connected to the pipeline network using flexible connecting hoses.

## Electrical connection and grounding

- Electrical work, socket installation. fuses and the connection to the mains power supply must be done by a qualified electrician.
- The pump may only be connected to a properly installed, earthed and tested earthed socket outlet.

## Exploitation

### • Before starting work:

- Check the parameters of the power supply. they must correspond to those indicated on the engine.
- After electrical connection, the engine starting block must be tightly closed to avoid moisture ingress.
- Check the correct installation of the suction and pressure lines.

### • Filling with water:

- Unscrew the filler plug.
- Fill suction pipe and pump head with water through filler opening.
- After water fills the pumping part, displacing air from it, close the drain hole.

### • Launch:

- Insert the plug into a power outlet.
- Open the discharge line by turning the water tap or nozzle so that air can escape during suction.
- Switch on the pump.
- If the water flows out evenly, the pump is ready for operation.
- After finishing work, turn off the pump with the switch.
- **ATTENTION!** Risk of injury from hot water. During long-term operation with a closed pressure side for more than 5-10 minutes, the water in the pump can become very hot, so that it will flow out in a controlled manner and damage to the pumping part may occur.

## Possible problems and malfunctions

### • The engine does not run:

- Check fuse. Have an electrician check the power line.
- The thermal relay has shut off the engine. Wait for the engine to cool. Monitor the temperature of the pumped liquid.
- Impeller blocked. Remove contamination.

### • The pump is running, but not pumping liquid:

- Low fluid level. Immerse the suction hose deeper.
- Air in the pump casing. Prime the pump.
- The pump is drawing in air. Check all connections for leaks.
- Suction pipe clogged. Remove dirt from the suction section.
- The discharge line is closed. Open the discharge line.
- The pressure hose is bent. Straighten the pressure hose.

### • Insufficient pumped volume:

- The pressure hose is bent. Straighten the pressure hose.
- Insufficient hose diameter. Use a larger diameter pressure hose.
- The delivery head is too high. Observe the maximum delivery head, see tech. specifications

- Suction lift too high Observe maximum suction lift.

## Maintenance and Cleaning

- All maintenance work must be carried out with the cable disconnected from the mains.
- **Pump flushing:** After pumping plaque-leaving liquids, the pump should be flushed with clean water.
- **Clearing blockages:**
  - Disconnect the pump from the mains.
  - Connect the pressure line to the water supply.
  - Water must flow through the pump housing until the blockage is cleared.
- When the battery is no longer operative, please refer to an authorised after-sales service agent for P.I.T. power tools

## Service

- Have your power tool repaired only by qualified personnel and only with original replacement parts. This ensures the safety of the power tool.
- The list of authorized service centers can be viewed on the official website of P.I.T. by the link:  
<https://pittools.ru/servises/>

## Storage and transportation

### Storage:

- Drain the suction and discharge lines.
- Unscrew the drain plug and let the water drain out of the pump.
- Retighten the drain plug and store the pump and accessories in a frost-protected place, at a temperature between 0 and + 35 ° C and a relative humidity of no more than 80%.

Products can be transported by any type of closed transport in the manufacturer's packaging or without it, while preserving the product from mechanical damage, atmospheric precipitation.

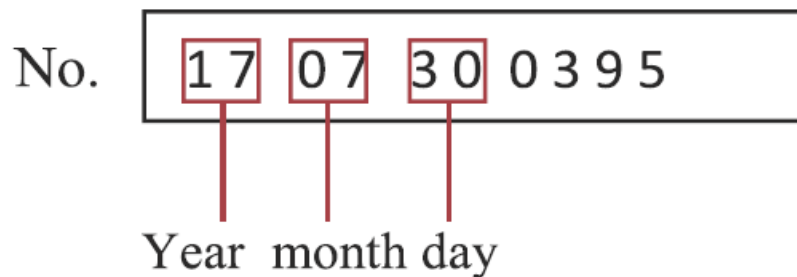
### Dispose of waste



Damaged power tools, batteries, accessories and waste packaging materials must be recycled and reused in an environmentally friendly manner. Do not throw power tools and accumulators / batteries into general household waste!

## Product serial number interpretation





- The first and second digits of the product serial number from left to right
- Year of production, the third and fourth digits indicate the month of production, the fifth and sixth digits indicate the production day.

## TERMS OF WARRANTY SERVICE

1. This Warranty Certificate is the only document that confirms your right to free warranty service. Without presenting this certificate, no claims are accepted. In case of loss or damage, the warranty certificate is not restored.
2. The warranty period for the electric machine is 12 months from the date of sale, during the warranty period the service department eliminates manufacturing defects and replaces parts that have failed due to the fault of the manufacturer free of charge. In the warranty repair, an equivalent operable product is not provided.  
Replaceable parts become property of service providers.  
P.I.T is not liable for any damage that may be caused by operation of the electric machine.
3. Only clean tool accompanied with the following duly executed documents: this Warranty Certificate, Warranty Card, with all fields filled out, bearing the stamp of the trade organization and the signature of the buyer, shall be accepted for warranty repair.
4. **Warranty repair is not performed in the following cases:**
  1. damage to the pumping part or its parts as a result of the pump running dry (dry) or during prolonged operation with a closed pressure pipeline.
  2. in the absence of a Warranty Certificate and a Warranty Card or their incorrect execution;
  3. with failure of both a rotor and a stator of the electric engine, charring or melting of primary winding of the welding machine transformer, charging or starting-charging device, with internal parts melting, burn down of electronic circuit boards;
  4. if a Warranty Certificate or a Warranty Card does not correspond to this electric machine or to the form established by the supplier;
  5. upon expiration of the warranty period;
  6. at attempts of opening or repair of the electric machine outside the warranty workshop; making constructive changes and lubrication of the tool during the warranty period, as evidenced, for example, by the creases on the spline parts of the fasteners of non-rotational parts.
  7. when using electric tools for production or other purposes connected with making a profit, as well as in case of malfunctions related to instability of the power network parameters exceeding the norms established by GOST;
  8. in the events of improper operation (use the electric machine for other than intended purposes, attachments to the electric machine of attachments, accessories, etc. not provided by the manufacturer);
  9. with mechanical damage to the case, power cord and in case of damages caused by aggressive agents

and high and low temperatures, ingress of foreign objects in the ventilation grids of the electric machine, as well as in case of damage resulting from improper storage (corrosion of metal parts);

10. natural wear and tear on the parts of the electric machine, as a result of long-term operation (determined on the basis of the signs of full or partial depletion of the specified mean life, great contamination, presence of rust outside and inside the electric machine, waste lubricant in the gearbox);
11. use of the tool for purposes other than specified in the operating instructions.
12. mechanical damages to the tool;
13. in the event of damages due to non-observance of the operating conditions specified in the instruction (see chapter "Safety Precautions" of the Manual).
14. damage to the product due to non-observance of the rules of storage and transportation.
15. in case of strong internal contamination of the tool.

Preventive maintenance of electric machines (cleaning, washing, lubrication, replacement of anthers, piston and sealing rings) during the warranty period is a paid service.

5. The service life of the product is 3 years. Shelf life is 2 years. It is not recommended for operation after 2 years of storage from the date of manufacture, which is indicated in the serial number on the label of the instrument, without preliminary verification (for the definition of the date of manufacture, see the User's Manual earlier).
6. The owner is notified of any possible violations of the above terms of warranty service upon completion of diagnostics in the service center.
7. The owner of the tool entrusts the diagnostic procedure to be conducted in the service center in his absence.
8. Do not operate the electric machine when there are signs of excessive heat, sparking, or noise in the gearbox. To determine the cause of the malfunction, the buyer should contact the warranty service center.
9. Malfunctions caused by late replacement of carbon brushes of the engine are eliminated at the expense of the buyer.

#### **The warranty does not cover:**

1. replacement accessories (accessories and components), for example: batteries, discs, blades, drill bits, borers, chucks, chains, sprockets, collet clamps, guide rails, tension and fastening elements, trimming device heads, base of grinding and belt sander machines, hexagonal heads, etc.,
2. fast wearing parts, for example: carbon brushes, drive belts, seals, protective covers, guiding rollers, guides, rubber seals, bearings, toothed belts and wheels, shanks, brake belts, starter ratchets and ropes, piston rings, etc. Their replacement during the warranty period is a paid service;
3. power cords, in case of damage to the insulation, power cords are subject to mandatory replacement without the consent of the owner (paid service);
4. tool case.

#### **P.I.T. WARRANTY CERTIFICATE**

- Product Name \_\_\_\_\_
- Product Serial Number □ □ □ □ □ □ □ □ □ □
- Charger Serial Number □ □ □ □ □ □ □ □ □ □
- Sale Date \_\_\_\_\_
- Trade Organization Name \_\_\_\_\_

**Dear customer!**

Thank you for purchasing the P.I.T tool, and we hope that you will be satisfied with your choice. In the process of manufacturing the P.I.T tools pass multilevel quality control, if nevertheless your product will need maintenance, please contact the authorized P.I.T service centers.

**• Attention!**

When buying, ask a seller to check the completeness and operability of the tool, to fill out the Warranty Certificate, the Warranty Card (the boxes shall be filled out by a seller) and to affix the seal of the trade organization in the Guarantee Certificate and the Warranty Card.

**• Warranty**

- By this Warranty Certificate, P.I.T. company guarantees the absence of defects of the production nature.
  - In the event any of the above defects are detected during the warranty period, the specialized P.I.T. service centers shall repair the product and replace the defective spare parts free of charge.
  - The warranty period for P.I.T. electric machines is 12 months from the date of sale.
- "The warranty maintenance terms acknowledged and accepted. The operability and completeness of the product are checked in my presence. No claims on quality and appearance."
- Buyer's Signature \_\_\_\_\_
  - Surname (legibly) \_\_\_\_\_
  - Phone \_\_\_\_\_

		<b>P.I.T.</b>		<b>№ 1</b>	
Name _____	_____	Name _____			
Serial Number _____	_____	Serial Number _____			
Sale Date _____ 20__	_____	Sale Date _____ 20__			
Date of Receipt from Repair _____ 20__	_____	(Filled out by a Seller)			
		WARRANTY REPAIR CARD			
		Date of Acceptance for Repair _____ 20__			
		Application for Repair _____			
		Customer _____			
		Phone (Address) _____			
		Cause of Application _____			
		Date of Receipt from Repair _____ 20__			
		The Tool is checked in my presence _____			
		(The Order shall be performed in a Service Center) (Signature)			

Place of Seal

P.I.T.				No 2
Name	Serial Number	20		
Sale Date	20			
Date of Receipt from Repair	20			
Name				
Serial Number				
Sale Date				20
(Filled out by a Seller)				
WARRANTY REPAIR CARD				
Date of Acceptance for Repair				20
Application for Repair				
Customer				
Phone (Address)				
Cause of Application				
Date of Receipt from Repair				20
The Tool is checked in my presence				
(The Order shall be performed in a Service Center) (Signature)				

Place of Seal

P.I.T.				No 3
Name	Serial Number	20		
Sale Date	20			
Date of Receipt from Repair	20			
Name				
Serial Number				
Sale Date				20
(Filled out by a Seller)				
WARRANTY REPAIR CARD				
Date of Acceptance for Repair				20
Application for Repair				
Customer				
Phone (Address)				
Cause of Application				
Date of Receipt from Repair				20
The Tool is checked in my presence				
(The Order shall be performed in a Service Center) (Signature)				

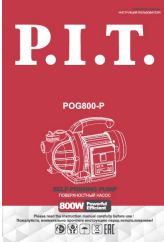
Place of Seal



[www.pit-tools.com](http://www.pit-tools.com)

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## Documents / Resources

	<p><a href="#">P I T POG800 Self Priming Pump</a> [pdf] Instruction Manual POG800 Self Priming Pump, POG800, Self Priming Pump, Priming Pump</p>
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## References

- [User Manual](#)

### Manuals+. [Privacy Policy](#)

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