

# Operation Manual

## Self-priming Diesel Pump

63341



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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## Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

## Safety instructions

### **CAUTION:**

The device is not intended for use by persons (including children) with impaired or limited physical, sensory, and mental abilities or lack of experience and/or real knowledge, unless they are supervised by a person responsible for their safety or follow the instructions made by this person on how to correctly use the device. Children should be supervised to ensure that they do not play with the device.

### **ATTENTION:**

- Perform a visual inspection of the device before every use. Do not use the device if the safety appliances are damaged or worn out. Never override safety regulations.
- Only use the device accordingly to the intended purpose stated in this manual.
- You are responsible for the safety of the working zone.
- If the cable or the plug is damaged due to external influences, the cable must not be repaired, but must be replaced with a new one. This work can only be carried out by an electrician.
- The voltage of 230 V AC indicated on the nameplate of the device must match the existent mains voltage.
- Never lift, carry, or fix the device by using the power cable.
- Make sure that the electric plug connections are protected from flood and humidity.
- Before working on the device (maintaining, repairing, cleaning it), pull out the plug.
- Avoid exposing the device to rain or direct jets of water.
- The user is responsible for complying with local safety and mounting regulations. Ask an electrician, if necessary.
- The user must take appropriate measures (e.g., installation of an alarm system, a reserve pump, etc.) to prevent damage caused by the flooding in case of device malfunctioning.
- In case of device failure, repairs can only be carried out by an electrician.
- The device must never run dry or be operated with its suction line fully closed. The manufacturer's warranty is void for damage to the device caused by dry running.

### **WARNING:**

**Read all safety precautions and instructions.** Failure to obey the safety precautions and instructions might cause an electric shock, a fire, and/or severe injuries. Keep all safety precautions and instructions for future use.

## Resistance

- The maximum temperature of the pumped liquid should not exceed +35 °C in continuous operation.
- The transport of aggressive fluids (acids, bases, etc.) as well as of abrasive substances (e.g., sand) must be avoided. Water must NOT be pumped either with the device. It is **NOT** permitted either to pump highly flammable liquids (fuel) with this pump.



## Summary

The pump is a small high-efficiently designed diesel pump with a large flow rate and delivery head, operated by the car battery and easy to use. The pump does not only deliver diesel, but also engine oil. However, with this pump, you must not transport petrol or similar liquids. The pump is applicable for small gas stations as well as for private or mobile use.

## Properties

- High flow rate, strong suction
- Quickly and easily to operate by car battery
- Reliably and safe

## Technical specifications

| Intake voltage (V) | Power consumption (W) | Max. flow rate ( $\frac{l}{min}$ ) | Max. lifting height (m) | Max. suction height (m) | Threaded connection (mm) |
|--------------------|-----------------------|------------------------------------|-------------------------|-------------------------|--------------------------|
| 12                 | 150                   | 40                                 | 10                      | 2                       | 26 ( $\frac{3}{4}$ "     |

## Use

The diesel pump series has been thoroughly tested with regard to its temperature resistance and complies with the requirements of protection class IP55. Having a built-in protection valve, it can be used without hesitation for machinery and vehicles in the open to simplify the refuelling.



### Notes

1. Before connecting the power cord, check the power supply to avoid damages to the vehicle or battery.
2. There must be an input voltage of 12 V DC  $\pm 5$  %.
3. It is recommended to pre-fill a small amount of the liquid to be delivered before the pump is used for the first time. Connect the hoses according to the arrows on the pump.
4. Make sure that all connections are well sealed and that no air can be sucked in. To ensure that the pumped medium is not contaminated, use the supplied filter.
5. The pump must not be operated any longer than 20 min at a time.

## Cleaning

The pump may **only** be cleaned using mild cleaning agents as well as a damp cloth and soapy water. Damage caused by inappropriate cleaning agents is not covered by warranty.

## Maintenance hints

- The machine is largely maintenance-free. However, for a long working life and continuous operation, we recommend regular checking and proper care.



### Attention!

Before every maintenance work, the pump must be switched off. Pull out the plug from the power socket.

- After long non-operation periods, check if a proper turning of the rotor takes place.



## Malfunctions of the pump

### *Engine does not run*

| Cause   | Solution                            |
|---|-------------------------------------|
| No supply power (voltage)                                       | Check voltage.                      |
| Pump impeller blocked – thermo controller has switched pump off | Dismantle and clean the pump.       |
| Engine does not run   | Consult a professional electrician. |

### *Pump does not suck in*

| Cause                                    | Solution                                  |
|--|---|
| Suction valve not in the pumped medium   | Bring suction valve in the pumped medium. |
| Pump room without pump medium            | Fill in pump medium in suction nozzle.    |
| Air in suction line                      | Check if suction line is well sealed.     |
| Suction valve leaking                    | Clean suction valve.                      |
| Suction strainer (suction valve) blocked | Clean suction strainer.                   |
| Max. suction lift exceeded               | Check suction lift.                       |

### *Insufficient flow rate*

| Cause   | Solution  |
|---|---|
| Suction lift too high                               | Check suction lift.                                     |
| Suction strainer dirty                              | Clean suction strainer.                                 |
| Level of pumped medium drops rapidly                | Place suction valve to a lower level inside the medium. |
| Pump capacity reduced because of harmful substances | Clean pump and replace worn parts.                      |

### *Thermo switch switches off pump*

| Cause   | Solution  |
|---|---|
| Engine overloaded – excessive friction due to foreign particles | Dismantle and clean pump, prevent sucking-in of foreign particles (filter). |



**Attention!**  
**The pump must not run dry.**

## Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiTec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

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