

Operation Manual

Fuel Oil and Diesel Pump

50743, 50744, 50768, 50769, 50959, 51563, 62134, 62136



Illustration similar, may vary depending on model

Please read and follow the operating instructions and safety information prior to initial operation.

Technical changes reserved!

Illustrations, functional steps, and technical data may deviate insignificantly due to continuous further developments.



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To return your goods for exchange, repair, or other purposes, please use the following address. Attention! To allow for a trouble-free complaint or return, it is important to contact our customer service team before returning your goods.

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Introduction

Thank you for choosing to purchase this quality product. To minimise the risk of injury, we ask you to always take some basic safety precautions when using this product. Please read this operating manual carefully and make sure that you understand it.

Keep these operation instructions in a safe place.

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

Item number	Intake voltage (V)	Power consumption (W)	Max. flow rate ($\frac{1}{2}$ min)	Max. lifting height (m)	Max. suction height (m)	Threaded connection (mm)
50743	12	150	40	10	2	26 ($\frac{3}{4}$ ")
50744	24	150	40	10	2	26 ($\frac{3}{4}$ ")
50768	12	160	40	10	2	26 ($\frac{3}{4}$ ")
50769	12	160	40	10	2	26 ($\frac{3}{4}$ ")
50959	12	150	40	10	2	26 ($\frac{3}{4}$ ")
51563	12	180	40	12	2	26 ($\frac{3}{4}$ ")
62134	12	375	60	12	3	26 ($\frac{3}{4}$ "), 32.89 (1")
62136	12	550	80	15	3	26 ($\frac{3}{4}$ "), 32.89 (1")

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 ± 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.

Regulations for waste disposal

The Waste Electrical and Electronic Equipment Directive (WEEE Directive, 2012/19/EU) of the EU was implemented in the German law related to electrical and electronic equipment and appliances.

All WilTec electric devices that fall under the WEEE directive are labelled with the symbol of a crossed-out wheeled rubbish bin. This symbol indicates that this electric device must not be disposed of with the domestic waste.

WilTec Technik GmbH is registered with the German registration authority EAR (Stiftung Elektro-Altgeräte Register) under the WEEE-registration number DE45283704.

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

The symbol on the packaging or the product itself indicates that this product must not be treated as normal domestic waste but must be disposed of at a recycling collection station for electrical and electronic waste.

By disposing of this product correctly, you contribute to the protection of the environment and the health of your fellow people. Inappropriate disposal threatens the environment and health.



Material recycling helps to reduce the consumption of raw materials.

Additional information about the recycling of this product can be provided by your local commune, the municipal waste disposal facilities, or the store where you purchased the product.

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