

Geko G00945

Geko G00945 12V DC Diesel Transfer Pump User Manual

Model: G00945

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your Geko G00945 12V DC Self-Distributing Diesel Transfer Pump. Please read this manual thoroughly before using the pump to ensure proper function and to prevent injury or damage.

The Geko G00945 pump is designed for transferring diesel fuel. It is characterized by its durability and solid performance, constructed from high-quality materials.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in fire, explosion, electric shock, or serious injury.

- **Diesel Fuel:** Handle diesel fuel with extreme care. It is flammable. Do not smoke or use open flames near the pump or fuel.
- **Ventilation:** Operate the pump in a well-ventilated area to avoid accumulation of fuel vapors.
- **Electrical Connection:** Ensure the 12V DC power source is correctly connected (positive to positive, negative to negative). Incorrect polarity can damage the pump.
- **Power Source:** Use only a 12V DC power source. Do not connect to AC power.
- **Overheating:** Do not run the pump dry for extended periods. Allow the pump to cool down if it becomes excessively hot.
- **Maintenance:** Disconnect power before performing any maintenance or cleaning.
- **Children and Unauthorized Personnel:** Keep children and unauthorized persons away from the pump during operation.
- **Personal Protective Equipment:** Wear appropriate personal protective equipment (PPE) such as gloves and eye protection when handling fuel.
- **Intended Use:** This pump is designed for diesel fuel transfer only. Do not use it for gasoline, alcohol, corrosive liquids, or water.

3. PRODUCT OVERVIEW AND COMPONENTS

The Geko G00945 is a compact 12V DC self-distributing pump designed for efficient diesel transfer. Key components include the pump body, motor, inlet/outlet ports, power cables, and an on/off switch.



Figure 3.1: Angled view of the Geko G00945 pump, showing the red handle, motor housing, and brass hose connectors.



Figure 3.2: Side view of the Geko G00945 pump, highlighting the pump head and mounting bracket.



Figure 3.3: Front view of the Geko G00945 pump, showing the integrated on/off switch and power cables.



Figure 3.4: Included accessories, typically consisting of hose connectors, seals, and battery clamps for power connection.

Included Components:

- Geko G00945 12V DC Diesel Transfer Pump
- Brass hose connectors (typically 2 units)
- Sealing rings/gaskets
- Battery clamps (for 12V DC power connection)
- Inlet filter (strainer)

4. SETUP AND INSTALLATION

1. Mounting the Pump:

Secure the pump to a stable, flat surface using the integrated mounting bracket. Ensure the pump is positioned to allow for proper hose routing and ventilation. Use appropriate fasteners (not always included).



Figure 4.1: Underside view showing the mounting bracket with pre-drilled holes for secure installation.

2. Hose Connection:

- Attach the brass hose connectors to the pump's inlet and outlet ports. Ensure sealing rings are correctly seated to prevent leaks.
- Connect a suitable suction hose (inlet) to the inlet port and a discharge hose (outlet) to the outlet port. Use hose clamps to secure all connections tightly.
- Install the inlet filter (strainer) at the end of the suction hose that will be submerged in the diesel tank. This prevents debris from entering the pump.

3. Electrical Connection:

- Ensure the pump's on/off switch is in the "OFF" position.
- Connect the red power cable from the pump to the positive (+) terminal of a 12V DC battery.
- Connect the black power cable from the pump to the negative (-) terminal of the 12V DC battery.

- Use the provided battery clamps for a secure connection. Verify polarity before proceeding.

5. OPERATING INSTRUCTIONS

1. Preparation:

- Ensure all hose connections are secure and free of leaks.
- Place the inlet hose with the filter into the diesel source tank.
- Position the discharge hose into the receiving tank, ensuring it is securely placed to prevent spills.

2. Priming (if necessary):

This pump is self-distributing (self-priming), meaning it can draw fuel without manual priming. However, for initial use or if the pump has been run dry, it may take a few moments for fuel to flow. Ensure the inlet hose is fully submerged.

3. Starting the Pump:

Flip the on/off switch on the pump to the "ON" position. The pump will begin to operate, and fuel should start flowing shortly.

4. Monitoring:

Monitor the fuel transfer process. Do not leave the pump unattended during operation. Check for any leaks or unusual noises.

5. Stopping the Pump:

Once the desired amount of fuel has been transferred, or if the source tank is empty, flip the on/off switch to the "OFF" position.

6. Post-Operation:

- Remove the inlet hose from the source tank.
- Allow any remaining fuel in the hoses to drain into the receiving tank or a suitable container.
- Disconnect the power cables from the battery.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your Geko G00945 pump.

- **Cleaning the Inlet Filter:** Periodically inspect and clean the inlet filter (strainer) to remove any accumulated debris. A clogged filter can reduce pump performance.
- **Hose and Connection Inspection:** Regularly check all hoses and connections for signs of wear, cracks, or leaks. Replace damaged components immediately.
- **Electrical Connections:** Ensure battery clamps and power cable connections are clean and tight. Corroded terminals can lead to poor performance or pump failure.
- **Storage:** When not in use, store the pump in a clean, dry place, away from direct sunlight and extreme temperatures. Ensure any residual fuel is drained from the pump and hoses.
- **Pump Body:** Keep the exterior of the pump clean. Do not use harsh chemicals that could damage the housing.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Pump does not start.	No power, incorrect electrical connection, faulty switch.	Check battery connections and charge. Verify correct polarity. Ensure switch is "ON".
Pump runs but no fuel flows.	Inlet hose not submerged, clogged inlet filter, air leak in suction line, pump not primed.	Ensure inlet hose is fully submerged. Clean filter. Check all suction line connections for tightness. Allow time for self-priming.
Reduced flow rate.	Clogged inlet filter, kinked hose, low battery voltage, excessive lift height.	Clean inlet filter. Straighten hoses. Check battery voltage. Reduce lift height if possible.
Fuel leaks from connections.	Loose connections, damaged seals/gaskets, damaged hose.	Tighten all hose clamps and connectors. Replace damaged seals or hoses.

If problems persist after attempting these solutions, contact the manufacturer or a qualified service technician.







8. SPECIFICATIONS

Feature	Detail
Model Number	G00945
Power Supply	12V DC
Application	Diesel Transfer
Pump Type	Self-Distributing (Self-Priming)
Package Dimensions	35 x 35 x 15 cm
Item Weight	4.25 kg
Manufacturer	Firma Handlowa GEKO
Date First Available	5 Feb. 2018

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly. Keep your proof of purchase for warranty claims.

Manufacturer: Firma Handlowa GEKO

	<p>GEKO G84010 Lehtipuhallin/Imuri Käyttöohje</p> <p>Kattava käyttöohje GEKO G84010 lehtipuhaltimeen ja -imuriin, sisältäen tekniset tiedot, kokoamisen, käytön, polttoaineen sekoituksen ja tankkauksen, käynnistyksen, huollon ja turvallisuusohjeet.</p>
	<p>GEKO G00937 08-150WZC 230V Öljypumppu Käyttöohje</p> <p>Käyttöohje GEKO G00937 08-150WZC 230V öljypumpulle, sisältää käyttöohjeet, turvallisuusohjeet ja tekniset tiedot.</p>
	<p>GEKO S20016G Dash Camera User Manual - Installation, Settings, and Troubleshooting</p> <p>Comprehensive user manual for the GEKO S20016G Dash Camera, covering installation, quick start guide, settings, troubleshooting, specifications, and important notices.</p>
	<p>Elektrický rázový utahovák GEKO G81053: Návod k použití a bezpečnostní pokyny</p> <p>Kompletní návod k použití a bezpečnostní pokyny pro elektrický rázový utahovák GEKO G81053 1/2" 720 Nm, 450W. Zahrnuje informace o provozu, údržbě, skladování a bezpečnostních opatřeních.</p>
	<p>GEKO E200 Dashcam User Manual - Setup, Operation, and Troubleshooting Guide</p> <p>Comprehensive user manual for the GEKO E200 Dashcam. Learn how to install, operate, charge, record, and troubleshoot your dashcam. Includes important safety disclaimers and specifications.</p>
	<p>GEKO G80440 SMDL01A - Instrukcja Obsługi Grzejnika Konwektorowego z Termostatem</p> <p>Instrukcja obsługi dla grzejnika konwektorowego GEKO G80440 SMDL01A o mocy 2000W. Zawiera dane techniczne, wskazówki dotyczące bezpieczeństwa, montażu, użytkowania i konserwacji.</p>