Groz FOP/10A

Groz FOP/10A Foot Operated Grease Pump 10 Kg User Manual

Model: FOP/10A | Brand: Groz

1. Product Overview

The Groz FOP/10A is a robust foot-operated grease pump designed for efficient lubrication of various machinery, including cranes, automotive components, and industrial equipment. It features a 10 kg (22 lbs.) capacity steel bucket with a powder-coated finish for durability and resistance against wear. This pump delivers high pressure up to 8,700 PSI (600 Bar) and a discharge rate of up to 2 grams per stroke, making it suitable for NLGI 1 and 2 greases.
Its design allows for operation by foot, providing hands-free control, and can also be operated by hand for low-height applications. The unit is supplied with a 2-meter, 1/4-inch I.D. high-pressure rubber hose and a standard coupler for immediate use.

2. Package Contents

Upon unpacking, verify that all components are present and undamaged:

- 1 x Groz FOP/10A Foot Operated Grease Pump with 10 kg Bucket Capacity
- 1 x 2-meter (1/4" I.D.) High-Pressure Rubber Hose
- 1 x Regular Grease Coupler



Figure 2.1: The Groz FOP/10A grease pump showing the hose and coupler components.

3. Setup and Preparation

1. **Unpack the Unit:** Carefully remove the grease pump and all accessories from its packaging.
2. **Inspect for Damage:** Check the pump, hose, and coupler for any signs of shipping damage. Do not use if damaged.
3. **Fill with Grease:**
    - Open the lid of the 10 kg grease bucket.
    - Fill the bucket with NLGI 1 or NLGI 2 grade grease. Ensure the grease is clean and free of contaminants.
    - Do not overfill; leave adequate space for the pump mechanism.
    - Close the lid securely after filling.



Figure 3.1: The Groz FOP/10A grease pump, ready for filling with grease.

4. **Connect the Hose and Coupler:**
    - Attach the high-pressure rubber hose to the pump outlet. Ensure a tight connection to prevent leaks.
    - Connect the regular grease coupler to the other end of the hose.
5. **Prime the Pump (Initial Use):**
    - Before connecting to a grease fitting, operate the pump a few times to ensure grease flows through the hose and coupler, expelling any air.

4. Operating Instructions

The Groz FOP/10A grease pump can be operated using the foot pedal or manually for specific applications.

4.1 Foot Operation

1. **Position the Pump:** Place the pump on a stable, flat surface near the lubrication point.
2. **Connect to Fitting:** Securely attach the grease coupler to the grease fitting (Zerk fitting) on the equipment to be lubricated.

3. **Operate the Foot Pedal:** Step on the foot pedal repeatedly to pump grease. Each full stroke delivers approximately 2 grams of grease.



Figure 4.1: Operating the foot pedal for grease delivery.

4. **Monitor Grease Flow:** Continue pumping until fresh grease is visible or until the fitting is adequately lubricated. Avoid over-

greasing.

5. **Disconnect:** Release the coupler from the grease fitting.

4.2 Hand Operation (for low-height machines)

For situations where foot operation is impractical due to low clearance, the pump can be operated manually.

1. **Position the Pump:** Place the pump in an accessible location.
2. **Connect to Fitting:** Securely attach the grease coupler to the grease fitting.
3. **Operate Manually:** Use your hand to press down on the foot pedal mechanism. This will pump grease in the same manner as foot operation.
4. **Monitor and Disconnect:** Lubricate as needed and then disconnect the coupler.



Figure 4.2: The Groz FOP/10A in use for lubricating industrial equipment.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Groz FOP/10A grease pump.

- **Clean After Use:** Wipe down the pump and hose after each use to remove excess grease and dirt. This prevents contamination and keeps the unit in good condition.
- **Check Hose and Coupler:** Regularly inspect the high-pressure hose for cracks, kinks, or damage. Ensure the coupler is clean and functions correctly. Replace worn or damaged parts immediately.
- **Grease Quality:** Always use clean, appropriate grade grease (NLGI 1 or 2). Contaminated grease can damage the pump mechanism and the equipment being lubricated.
- **Storage:** Store the grease pump in a clean, dry environment when not in use.

6. Troubleshooting

Problem	Possible Cause	Solution
No grease flow or low pressure	Air in the pump/hose Empty grease bucket Clogged hose or coupler Incorrect grease viscosity	Prime the pump by operating it until grease flows. Refill the grease bucket. Inspect and clear any blockages in the hose or coupler. Ensure NLGI 1 or 2 grease is used.
Grease leaks from connections	Loose hose or coupler connections Damaged hose or coupler	Tighten all connections. Replace damaged hose or coupler.
Foot pedal difficult to operate or sucks air	Grease level too low Rapid pumping causing cavitation	Ensure adequate grease level in the bucket. Operate the foot pedal at a steady, moderate pace.

7. Specifications

Feature	Detail
Model Number	FOP/10A
Bucket Capacity	10 kg (22 lbs.)
Grease Compatibility	NLGI 1 & 2 Greases
Maximum Pressure	8,700 PSI (600 Bar)
Discharge Rate	Up to 2 gm/stroke
Hose Length	2 meters (1/4" I.D.)
Product Dimensions (LxWxH)	33.8 x 34.3 x 42.2 cm
Item Weight	12.3 kg
Material	Steel bucket with powder-coated finish



Figure 7.1: Key performance specifications of the Groz FOP/10A grease pump.

8. Warranty and Support

The Groz FOP/10A Foot Operated Grease Pump comes with a **12-month warranty** from the date of purchase, covering manufacturing defects. Please retain your purchase receipt as proof of warranty.

For technical assistance, troubleshooting, or warranty claims, please contact Groz customer support. Refer to the contact information provided with your product packaging or visit the official Groz website for the most up-to-date support details.

Manufacturer: Groz Net Industries, Village- Kherki Daula, N.H. # 8, Gurgaon (Haryana)- 122001, India.

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