

## Hoteche 700024

# Hoteche Model 700024 Pneumatic Grease Pump Instruction Manual

Model: 700024

## 1. SAFETY INFORMATION

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Read and understand all safety warnings and instructions before operating this pneumatic grease pump. Failure to follow these instructions may result in serious injury or property damage.

- **Eye Protection:** Always wear ANSI-approved safety goggles or a face shield when operating the pump.
- **Hand Protection:** Wear appropriate gloves to protect hands from grease and high-pressure spray.
- **Air Pressure:** Do not exceed the maximum recommended air pressure for the pump (8 bar / 116 PSI). Ensure the air supply is clean and dry.
- **Grease Type:** Use only grease types compatible with the pump (0-3# grease).
- **High Pressure:** The pump operates at high pressure. Never point the grease gun at yourself or others. Do not attempt to stop leaks with hands or body parts.
- **Ventilation:** Operate in a well-ventilated area.
- **Secure Connections:** Ensure all hoses, fittings, and connections are securely fastened before operation.
- **Maintenance:** Disconnect from air supply before performing any maintenance or refilling.
- **Children and Bystanders:** Keep children and bystanders away from the operating area.

## 2. PRODUCT OVERVIEW

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The Hoteche Model 700024 is a pneumatic grease pump designed for efficient lubrication of various machinery. It features a 12-gallon (45L) capacity barrel, a high-pressure hose, and a grease gun with a 360-degree swivel head.

### Components:

- Grease Pump Unit (with air regulator filter)
- 12-Gallon (45L) Grease Barrel
- 13 ft (4M) High-Pressure Rubber Hose (double-layer steel wire)

- Grease Gun with 360° Swivel Head and Universal NPT Fitting
- Universal Wheels for Mobility
- Push-Pull Handle
- 3 Nipple Types (Japanese, American, European)
- Sprayer

### Key Features:

- **High-Efficiency Lubrication:** Pumps up to 0.85 L/min, suitable for 0-3# grease.
- **Durable Construction:** Solid steel barrel for longevity.
- **Portable Design:** Equipped with universal wheels and a wide handle for easy movement.
- **Versatile Grease Gun:** Features a 360° swivel gun head and universal NPT fitting for precise application.
- **Robust Hose:** 13 ft double-layer steel wire hose designed to withstand high pressures and temperatures.



**Figure 2.1:** Overview of the Hoteche Pneumatic Grease Pump, showing the main unit, air regulator, and grease gun. The pump has a capacity of 0.85 L/min and can handle thick #3 grease.

# SPECIAL NPT FITTING

360° Swivel Gun Head



Ball bearing structure  
for increased flexibility



30% longer lifespan  
than competing products



360° Custom Design



Universal NPT Fitting



**Figure 2.2:** Close-up of the grease gun, highlighting its 360-degree swivel head for increased flexibility and a universal NPT fitting for easy connection.

# STURDY AND RESISTANT TO BENDING

13 ft Grease Hose

Outlet pressure:  
300-400bar/ 4350-5800psi



Double layer steel wire hose  
to withstand greater pressure



**Figure 2.3:** The 13 ft double-layer steel wire grease hose, designed for durability and to withstand high outlet pressures of 300-400 bar (4350-5800 psi).

# 12GAL GREASE CAPACITY

Accommodates a whole barrel of grease



No frequent refills  
needed for high  
greasing efficiency



Figure 2.4: Illustration of the 12-gallon (45L) grease capacity, indicating it can accommodate a significant amount of grease, reducing the need for frequent refills.

# VISIBLE CONVENIENCE

## Universal Wheels & Easy-Push Handle



Equipped with universal wheels for easy movement



Wide push-pull handle for comfortable handling



Figure 2.5: The base of the pump with universal wheels and the wide push-pull handle, designed for comfortable and easy movement of the unit.

### 3. SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Wheel Assembly:** Attach the universal wheels to the base of the grease barrel if not pre-assembled. Ensure they are securely fastened.
3. **Handle Attachment:** Secure the push-pull handle to the grease barrel.
4. **Grease Filling:**
  - Open the lid of the grease barrel.
  - Fill the barrel with the desired type of grease (0-3#). Do not overfill.
  - Close the lid securely, ensuring a proper seal.
5. **Hose Connection:** Connect the high-pressure rubber hose to the pump unit and the grease gun. Ensure all connections are tight to prevent leaks.
6. **Air Supply Connection:** Connect your air compressor hose to the air inlet on the pump's air regulator filter. Ensure the air supply is clean, dry, and regulated to the recommended pressure range of 6-8 bar

## 4. OPERATION

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1. **Prepare the Pump:** Ensure the grease barrel is filled and all connections are secure.
2. **Connect Air:** Connect the air supply to the pump. The air regulator will show the incoming pressure.
3. **Prime the Pump (if necessary):** If using for the first time or after refilling, it may be necessary to prime the pump. Point the grease gun into a waste container and briefly activate it until grease flows consistently.
4. **Lubrication:**
  - Attach the appropriate nipple (Japanese, American, or European type) to the grease gun, if needed.
  - Place the grease gun nozzle firmly onto the grease fitting of the component to be lubricated.
  - Press the trigger on the grease gun to dispense grease. Release the trigger to stop the flow.
  - Lubricate until the desired amount of grease has been applied or until resistance is felt.
5. **After Use:** Disconnect the air supply from the pump. Relieve any residual pressure in the system by briefly activating the grease gun into a waste container.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your grease pump.

- **Daily:**
  - Wipe down the pump and grease gun to remove excess grease and dirt.
  - Check all hose connections for tightness and signs of wear.
- **Weekly/Monthly:**
  - Inspect the high-pressure hose for cracks, kinks, or damage. Replace if necessary.
  - Check the air regulator filter for accumulated moisture or debris. Drain or clean as needed.
  - Ensure the universal wheels are clean and roll freely.
- **Grease Type:** Avoid mixing different types of grease unless explicitly stated as compatible by the grease manufacturer. Incompatible greases can cause blockages or damage to the pump.
- **Storage:** Store the pump in a clean, dry environment when not in use.

## 6. TROUBLESHOOTING

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If you encounter issues with your grease pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No grease flow	<ul style="list-style-type: none"> <li>No air supply or low air pressure</li> <li>Empty grease barrel</li> <li>Grease gun nozzle blocked</li> <li>Air in the pump system</li> <li>Grease too thick or solidified</li> </ul>	<ul style="list-style-type: none"> <li>Check air compressor and connections; ensure adequate pressure (6-8 bar).</li> <li>Refill grease barrel.</li> <li>Clean or replace nozzle.</li> <li>Prime the pump by operating the gun into a waste container.</li> <li>Ensure grease is suitable for the pump and ambient temperature.</li> </ul>
Low grease output pressure	<ul style="list-style-type: none"> <li>Low air pressure</li> <li>Loose connections/leaks</li> <li>Worn pump seals</li> </ul>	<ul style="list-style-type: none"> <li>Increase air pressure to recommended levels.</li> <li>Tighten all connections; check for air or grease leaks.</li> <li>Contact customer support for seal replacement.</li> </ul>
Air escaping from grease gun	<ul style="list-style-type: none"> <li>Air in the grease line</li> <li>Grease gun seal worn</li> </ul>	<ul style="list-style-type: none"> <li>Prime the pump.</li> <li>Inspect and replace grease gun seals if necessary.</li> </ul>
Grease leaks from connections	<ul style="list-style-type: none"> <li>Loose fittings</li> <li>Damaged O-rings or seals</li> </ul>	<ul style="list-style-type: none"> <li>Tighten all connections.</li> <li>Inspect and replace O-rings or seals.</li> </ul>

## 7. SPECIFICATIONS

Specification	Value
Model Number	700024
Brand	Hoteche
Compression Ratio	50:1
Air Pressure Range	6-8 bar (87-116 PSI)
Pump Capacity	0.85 L/min
Outlet Pressure	300-400 bar (4350-5800 PSI)
Barrel Capacity	45 L (12 GAL)
Grease Compatibility	0-3# Grease
Hose Length	13 ft (4M)
Hose Type	Double-layer steel wire rubber hose

Specification	Value
Material	Metal
Item Weight	18.1 kg (39.9 lbs)
Product Dimensions	2.54 x 2.54 x 2.54 cm (Note: This dimension appears to be a placeholder and may not reflect actual product size.)
Included Components	Sprayer, 3 Nipple types (Japanese, American, European)

## 8. WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the documentation provided with your purchase or contact Hoteche customer service directly. Keep your purchase receipt as proof of purchase.

No official product videos were provided for this model.