WilTec XPOtool 15L Pneumatic Grease Pump

WilTec XPOtool 15L Pneumatic Grease Pump Instruction Manual

Model: 62795

1. Introduction

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your WilTec XPOtool 15L Pneumatic Grease Pump. This professional-grade air-powered grease pump is designed for precise lubrication of vehicles and machinery components such as hinges, joints, wheel hubs, and bearings. Its robust construction ensures reliability and longevity in workshop and industrial environments.

2. Safety Instructions

WARNING: Read all safety warnings and instructions before operating this product. Failure to follow these instructions may result in serious injury.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when operating the grease pump.
- Ensure the air compressor is disconnected and the pressure is relieved before performing any maintenance or assembly.
- Do not exceed the maximum operating pressure specified for the pump (6-8 bar).
- Use only lubricants compatible with the pump and the components being greased.
- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Keep children and bystanders away while operating the pump.
- Never point the grease gun nozzle at yourself or others. High-pressure grease injection can cause severe injury.
- Inspect the hose and connections for damage before each use. Replace any worn or damaged parts immediately.
- Ensure the pump is stable on a level surface during operation.

3. Product Overview

The WilTec XPOtool 15L Pneumatic Grease Pump is designed for efficient and precise lubrication. Key components include the grease reservoir, pneumatic pump mechanism, pressure regulator, grease hose, and grease gun.

Figure 3.1: Overall view of the WilTec XPOtool 15L Pneumatic Grease Pump. This image shows the complete unit with the grease reservoir, pump assembly, hose, and grease gun.

3.1 Key Features

- **Professional Pneumatic Operation:** Designed for garage and industrial use, powered by compressed air.
- **Precise Lubrication:** Facilitates accurate application of lubricant to various mechanical parts.
- **High Performance:** Achieves a flow rate of 0.85 liters per minute with an input air pressure of 6–8 bar and a pressure ratio of 50:1.
- **Large Capacity:** Features a 15-16 liter lubricant storage tank, suitable for extensive use.
- **Mobile Design:** Equipped with two wheels and a handle for easy transport and maneuverability.
- **Compact Dimensions:** Measures 91 x 40 x 39 cm, allowing for convenient storage and movement.

Figure 3.2: Dimensions of the grease pump, illustrating its compact and mobile design with a handle and wheels.

Figure 3.3: Close-up view of the high-pressure grease hose and the ergonomic grease gun, designed for comfortable and efficient application.

Figure 3.4: Detail of the pressure gauge and regulator, allowing for precise control of the air input pressure for optimal grease delivery.

4. Setup

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts are present according to the packing list (not provided, assume standard components). Note: The wheels and castors are located inside the pressure tank for shipping.
2. **Wheel Assembly:** Attach the wheels and castors to the base of the unit. Ensure they are securely fastened for stability and mobility.
3. **Handle Installation:** Securely attach the handle to the main body of the pump.
4. **Grease Filling:**
    - Open the lid of the 15L grease reservoir.
    - Fill the reservoir with the appropriate type of grease. Ensure the grease is clean and free of contaminants.
    - Place the follower plate (if separate) on top of the grease to prevent air pockets and ensure consistent feeding.
    - Securely close the reservoir lid.

5. **Hose and Gun Connection:** Connect the high-pressure grease hose to the pump outlet and the grease gun to the other end of the hose. Ensure all connections are tight to prevent leaks.
6. **Air Supply Connection:** Connect your air compressor hose to the air inlet fitting on the pump's pressure regulator. Ensure the air supply is clean and dry.

5. Operating Instructions

1. **Prepare Air Supply:** Ensure your air compressor is set to deliver between 6-8 bar (87-116 PSI) of pressure.
2. **Adjust Regulator:** Use the pressure regulator on the pump to fine-tune the air pressure entering the pump mechanism. Refer to Figure 3.4.
3. **Prime the Pump (Initial Use):**
    - With the grease gun nozzle pointed safely away from people and objects, slowly open the air supply to the pump.
    - Operate the grease gun trigger until grease begins to flow smoothly, indicating the pump is primed and air has been purged from the system.
4. **Lubrication:**
    - Attach the grease gun nozzle securely to the grease fitting (zerk) on the component to be lubricated.
    - Press the grease gun trigger to dispense grease. Apply grease until resistance is felt or until the specified amount for the component is reached. Avoid over-greasing.
    - Release the trigger to stop the flow of grease.
5. **After Use:**
    - Close the air supply valve to the pump.
    - Relieve any remaining pressure in the system by briefly pressing the grease gun trigger (point safely away).
    - Disconnect the air hose from the pump.
    - Clean the grease gun and hose to prevent contamination and store the unit in a clean, dry place.

6. Maintenance

- **Regular Cleaning:** Keep the exterior of the pump, hose, and grease gun clean. Wipe off any spilled grease immediately.
- **Hose and Fitting Inspection:** Periodically inspect the high-pressure hose for cracks, kinks, or damage. Check all fittings for tightness and signs of leakage. Replace damaged components promptly.
- **Air Filter/Lubricator:** If your air supply system includes an air filter or lubricator, ensure it is regularly maintained according to its manufacturer's instructions. Clean and drain the air filter bowl as needed.
- **Grease Quality:** Always use high-quality, clean grease. Contaminated grease can damage the pump mechanism and the components being lubricated.
- **Storage:** Store the grease pump in a dry, clean environment, protected from extreme temperatures and direct sunlight.

7. Troubleshooting

Problem	Possible Cause	Solution
No grease flow or weak flow	◦ Insufficient air pressure ◦ Grease reservoir empty ◦ Air lock in the pump or hose ◦ Clogged grease gun nozzle or fitting ◦ Damaged pump mechanism	◦ Check air compressor and regulator settings (6-8 bar). ◦ Refill grease reservoir. ◦ Prime the pump by operating the gun until grease flows. ◦ Clean or replace nozzle/fitting. ◦ Contact customer support.
Air leaking from connections	◦ Loose connections ◦ Damaged O-rings or seals	◦ Tighten all air and grease connections. ◦ Inspect and replace damaged O-rings or seals.
Grease leaking from pump or hose	◦ Loose connections ◦ Damaged hose or seals	◦ Tighten all grease connections. ◦ Inspect and replace damaged hose or seals.

8. Specifications

Feature	Specification
Brand	WilTec
Model	XPOtool 15L Pneumatic Grease Pump
Model Number	62795
Reservoir Capacity	15-16 Liters
Input Air Pressure	6-8 bar (87-116 PSI)
Pressure Ratio	50:1
Flow Rate	0.85 liters/minute
Product Dimensions (L x W x H)	91 x 40 x 39 cm
Item Weight	12 Kilograms

9. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your purchase or contact WilTec customer service directly. Keep your proof of purchase for warranty claims.
WilTec Wildanger Technik GmbH
Seller Information (Amazon.com.be)