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› VEVOR 8 Quart Hydraulic Power Unit Instruction Manual

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VEVOR 8 Quart Hydraulic Power Unit Instruction Manual

Model: 8 Quart | Brand: VEVOR

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your VEVOR 8 Quart Double Acting Hydraulic Power Unit. Please read this manual thoroughly before installation and use, and retain it for future reference.



Figure 1: VEVOR 8 Quart Double Acting Hydraulic Power Unit.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating hydraulic equipment. Failure to follow these instructions may result in serious injury or property damage.

- Ensure the power unit is disconnected from the power source before performing any maintenance or installation.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Do not exceed the maximum rated pressure of 3200 PSI.
- Use only recommended hydraulic oil with a kinematic viscosity of 22-46mm²/s (50°C).
- Keep hands and clothing clear of moving parts.
- Ensure the unit is installed on a stable and level surface.
- Keep children and unauthorized personnel away from the operating area.

3. PRODUCT FEATURES

- **High-Powered Performance:** Equipped with a 12V, 1.6kW DC motor, delivering up to 0.91 GPM flow rate. Features an 8-quart tank and 16-20Mpa oil pressure, with a maximum relief pressure of 3200 psi for effortless lifting.
- **Precision Double-Action Lifting:** Designed for accuracy, this unit employs a double-acting power mechanism,

ensuring hydraulic oil works alternately in both ports for even force distribution. Includes a built-in safety relief valve.

- **Hassle-free Setup:** Arrives pre-assembled. Requires only hydraulic oil, power supply, and tubing connection. Includes an SAE#6 connector for broad compatibility.
- **Built to Last:** Features robust overall sealing to minimize oil leaks and a rust-proof solid metal steel tank for durability in high-impact situations.
- **Versatile Applications:** Suitable for various lifting and stamping applications, including dump trailers, container truck tailgates, hydraulic wood splitters, small presses, lifting platforms, and semi-electric push trucks.

4. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking:

- 1 x Hydraulic Pump
- 1 x SAE#6 Connector

5. SETUP

Follow these steps for initial setup:

1. **Add Hydraulic Oil:** Remove the oil refill cap and carefully pour anti-wear hydraulic oil with a kinematic viscosity of 22-46mm²/s (50°C) into the reservoir. Ensure the oil level is appropriate.
2. **Connect Hoses:** Attach the hydraulic hoses from your equipment to the appropriate ports on the power unit. Ensure all connections are secure and leak-free.
3. **Connect Power:** Connect the 12V DC power supply to the power unit, observing correct polarity (+ to + and - to -). Refer to the connection label and diagram on the unit for guidance.

HASSLE-FREE INSTALLATION

Added connection label and diagram



Figure 2: Hassle-Free Installation Diagram.

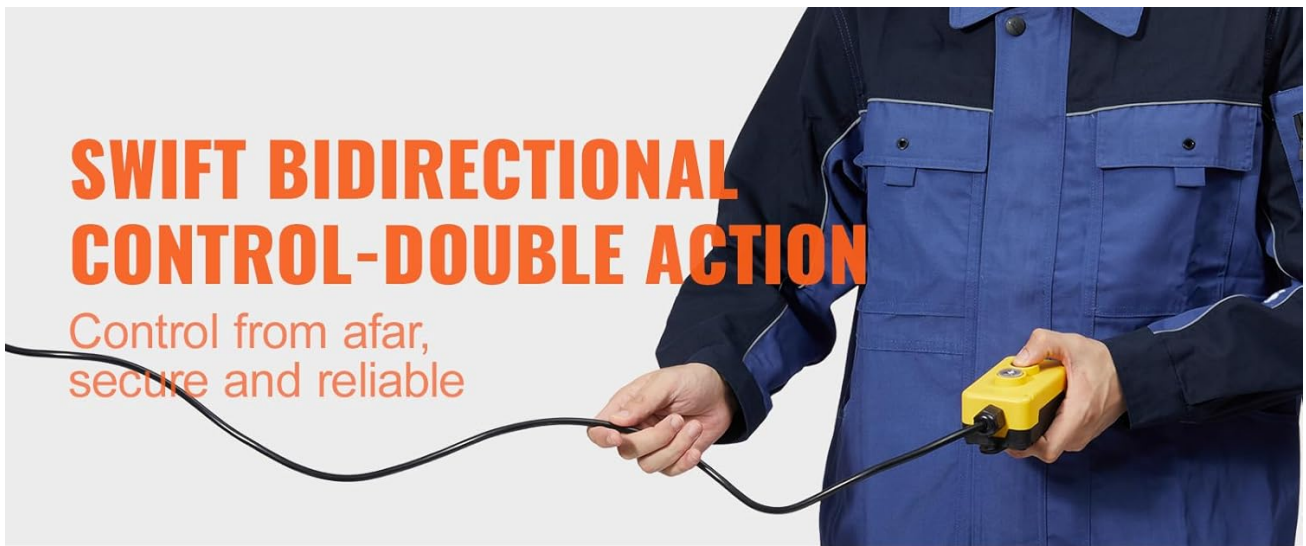
6. OPERATING INSTRUCTIONS

The VEVOR Hydraulic Power Unit is designed for straightforward operation using the wired remote control.

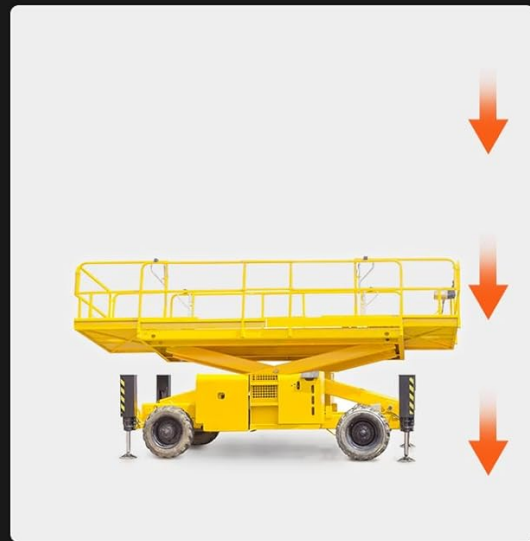
- 1. Power On:** Ensure the power unit is securely connected to a 12V DC power source.
- 2. Lifting Operation:** Press and hold the 'UP' button on the remote control to activate the pump and lift the connected equipment. Release the button to stop lifting.
- 3. Lowering Operation:** Press and hold the 'DOWN' button on the remote control to lower the connected equipment. Release the button to stop lowering.

SWIFT BIDIRECTIONAL CONTROL-DOUBLE ACTION

Control from afar,
secure and reliable



Fast Lifting



Steady Descent

Figure 3: Swift Bidirectional Control - Double Action.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your hydraulic power unit.

- **Check Hydraulic Oil Level:** Periodically inspect the hydraulic oil level and top up as needed. Ensure the oil is clean and free from contaminants.
- **Inspect Hoses and Connections:** Regularly check all hydraulic hoses and connections for signs of wear, damage, or leaks. Replace any compromised components immediately.
- **Clean Unit:** Keep the exterior of the power unit clean and free from dirt, dust, and debris to prevent overheating and ensure proper function.
- **Store Properly:** When not in use, store the unit in a dry, clean environment, protected from extreme temperatures and direct sunlight.

8. TROUBLESHOOTING

If you encounter issues with your hydraulic power unit, refer to the following common troubleshooting steps:

- **Unit Not Operating:** Check power connections, ensure the battery is charged, and verify that the remote control cable is securely connected.
- **Slow Operation:** Check hydraulic oil level and viscosity. Ensure there are no blockages in the hoses or filters. Verify the power supply is adequate.
- **Leaking Oil:** Inspect all connections and seals for tightness. Replace any damaged hoses or fittings.
- **Overheating:** Ensure the unit is not continuously overloaded. Check for proper ventilation around the motor and reservoir.

For persistent issues, contact VEVOR customer support.

9. SPECIFICATIONS

Attribute	Value
Manufacturer	VEVOR
Part Number	8 Quart Double Acting Hydraulic Pump
Item Weight	30.3 pounds
Product Dimensions	20.1 x 7.3 x 8.3 inches
Item Model Number	8 Quart
Size	8 Quart
Style	Double Acting
Material	Steel
Included Components	1 x Hydraulic Pump, 1 x SAE#6 Connector
Flow Rate	0.91 GPM
Max Relief Pressure	3200 PSI
Voltage	DC 12V

10. WARRANTY & SUPPORT

VEVOR products are designed and manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please contact VEVOR customer service through their official website or the retailer where the product was purchased. Please have your model number and purchase date available when contacting support.