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VEVOR YS-089A

VEVOR YS-089A 8L Pneumatic Transmission Fluid Pump Instruction Manual

Model: YS-089A

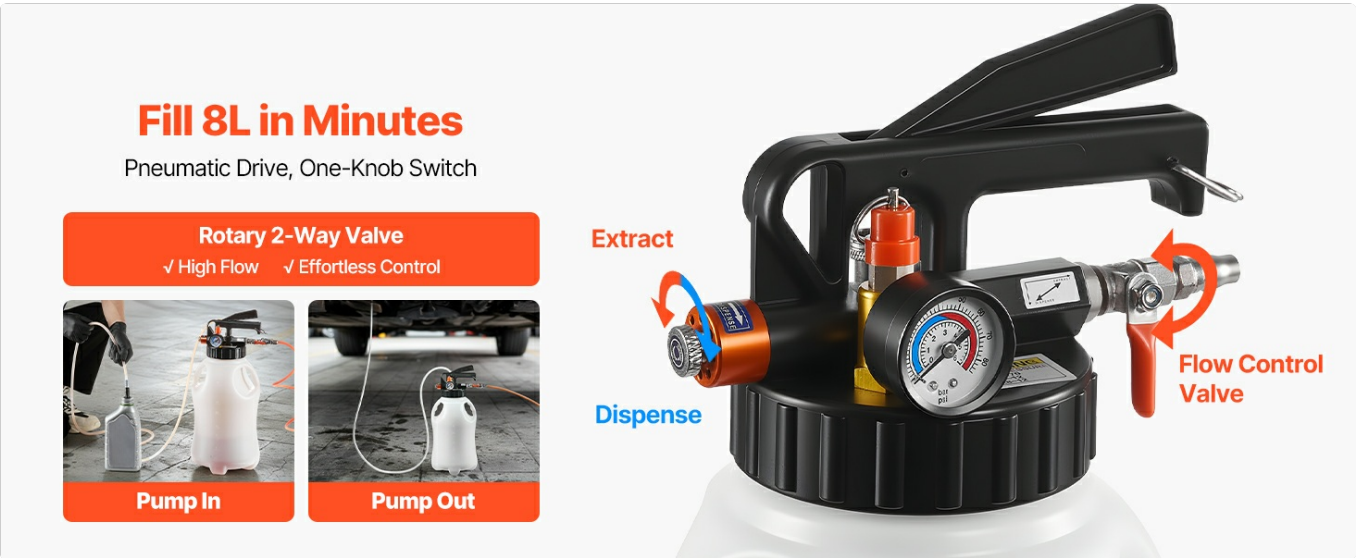
Introduction

Thank you for choosing the VEVOR YS-089A 8L Pneumatic Transmission Fluid Pump. This device is designed for efficient and clean extraction and dispensing of various automotive fluids, including transmission fluid, engine oil, brake fluid, gear lubricants, coolant, and power steering fluid. Its pneumatic operation, sealed system, and comprehensive adapter kit make it suitable for a wide range of vehicles and applications. Please read this manual thoroughly before operation to ensure safe and correct use.

Important Safety Information

Always observe the following safety precautions to prevent injury or damage to the equipment:

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when handling automotive fluids.
- Ensure the work area is well-ventilated to avoid inhaling fumes.
- Do not exceed the maximum operating pressure of the pump. Monitor the built-in pressure gauge.
- Always release pressure from the system before disconnecting hoses or opening the reservoir. Use the manual security relief valve.
- Keep the pump and all accessories clean and free from debris.
- Dispose of used fluids responsibly according to local environmental regulations.
- Do not use the pump for flammable liquids or corrosive chemicals not specified for use with this equipment.
- Ensure all connections are tight and secure before operating the pump to prevent leaks.



The pump features a built-in pressure gauge for monitoring and a security relief valve for safe pressure release.

What's in the Box

Verify that all components are present before proceeding with setup:

- 1 x Transmission Fluid Pump Unit
- 1 x 8L Reservoir (HDPE Tank)
- 3 x Suction Hoses (Ø6 mm, Ø8 mm, Ø10 mm, each 120 cm long)
- 1 x Fill Hose (Ø10 mm, 200 cm long)
- 15 x ATF Adapters (ATF101-ATF115)
- 1 x Clamp
- 1 x Schrader Air Inlet
- 1 x User Manual



The VEVOR YS-089A pump and its complete set of accessories, including various hoses and 15 ATF adapters.

Setup

Follow these steps to prepare your fluid pump for operation:

1. **Unpack Components:** Carefully remove all items from the packaging and inspect them for any damage.
2. **Attach Pump Head to Reservoir:** Securely screw the pump head onto the 8L HDPE reservoir until it is hand-tight. Ensure a proper seal.
3. **Connect Air Inlet:** Attach the Schrader air inlet to the designated port on the pump head. This will connect to your air compressor.
4. **Select Hoses and Adapters:** Choose the appropriate suction hose (Ø6/8/10 mm) for extraction or the fill hose (Ø10 mm) for dispensing. Select the correct ATF adapter from the 15 provided to match your vehicle's transmission port.
5. **Connect Hoses and Adapters:** Connect the selected hose to the quick coupler on the pump. Then, attach the chosen ATF adapter to the other end of the hose. Ensure all connections are tight to prevent leaks.



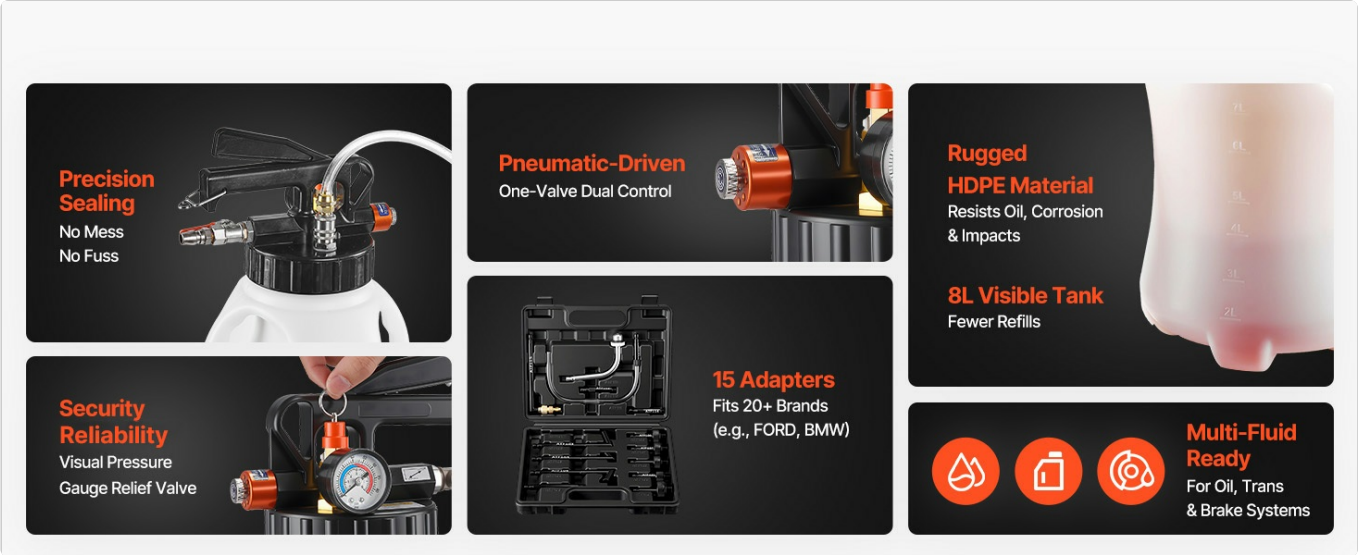
Ensure all connections are tight and secure for a sealed, no-drip system.



The kit includes 15 precision-matched adapters for compatibility with over 20 vehicle brands.

Operating Instructions

The VEVOR YS-089A pump features a rotary two-way control valve for easy switching between extraction and dispensing modes.



The rotary 2-way control valve allows for quick switching between fluid extraction and dispensing.

Fluid Extraction (Filling the Tank)

To extract fluid from a vehicle or container into the pump's reservoir:

1. **Set Valve to Extract:** Screw the rotary valve counter-clockwise to the "Extract" position.
2. **Adjust Flow Control:** Twist the flow control valve to adjust the fluid flow rate as desired.
3. **Connect Air Compressor:** Connect the pump to an air compressor and lock the trigger. The pump will begin to create a vacuum.
4. **Insert Hose:** Place the appropriate suction hose with its adapter into the fluid source (e.g., vehicle transmission fill port or fluid container).
5. **Begin Extraction:** Open the valve to start extracting fluid. Monitor the fluid level in the reservoir and the pressure gauge.
6. **Stop Extraction:** Close the valve once the desired amount of fluid is extracted or the reservoir is full. Disconnect the air compressor and release any remaining pressure using the relief valve before removing the hose.



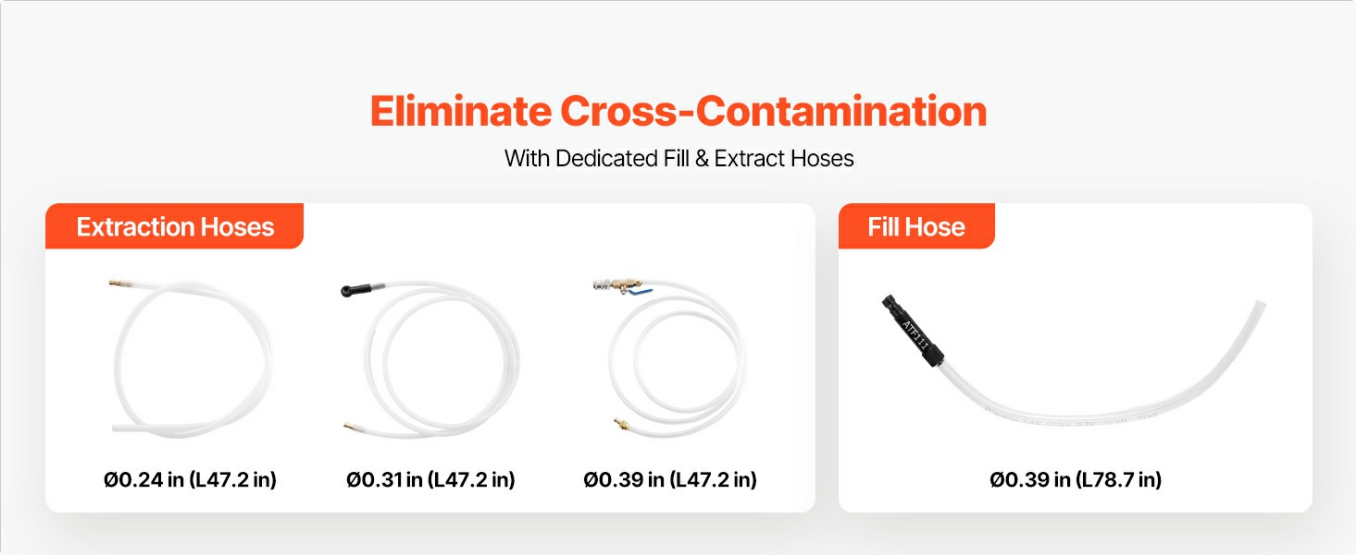
Visual guide for the 4 steps to extract fluid into the pump's reservoir.

Fluid Dispensing (Refilling Vehicle Transmission)

To dispense fluid from the pump's reservoir into a vehicle's transmission:

1. **Set Valve to Dispense:** Screw the rotary valve clockwise to the "Dispense" position.

2. **Adjust Flow Control:** Twist the flow control valve to adjust the fluid flow rate as desired.
3. **Connect Air Compressor:** Connect the pump to an air compressor and lock the trigger. The pump will now pressurize the reservoir.
4. **Connect to Vehicle:** Connect the correct fill hose with its adapter to your vehicle's transmission fill port.
5. **Begin Dispensing:** Open the valve to start transferring fluid into the transmission. Monitor the vehicle's fluid level indicator (if applicable) and the pump's pressure gauge.
6. **Stop Dispensing:** Close the valve once the desired amount of fluid is dispensed. Disconnect the air compressor and release any remaining pressure using the relief valve before removing the hose.

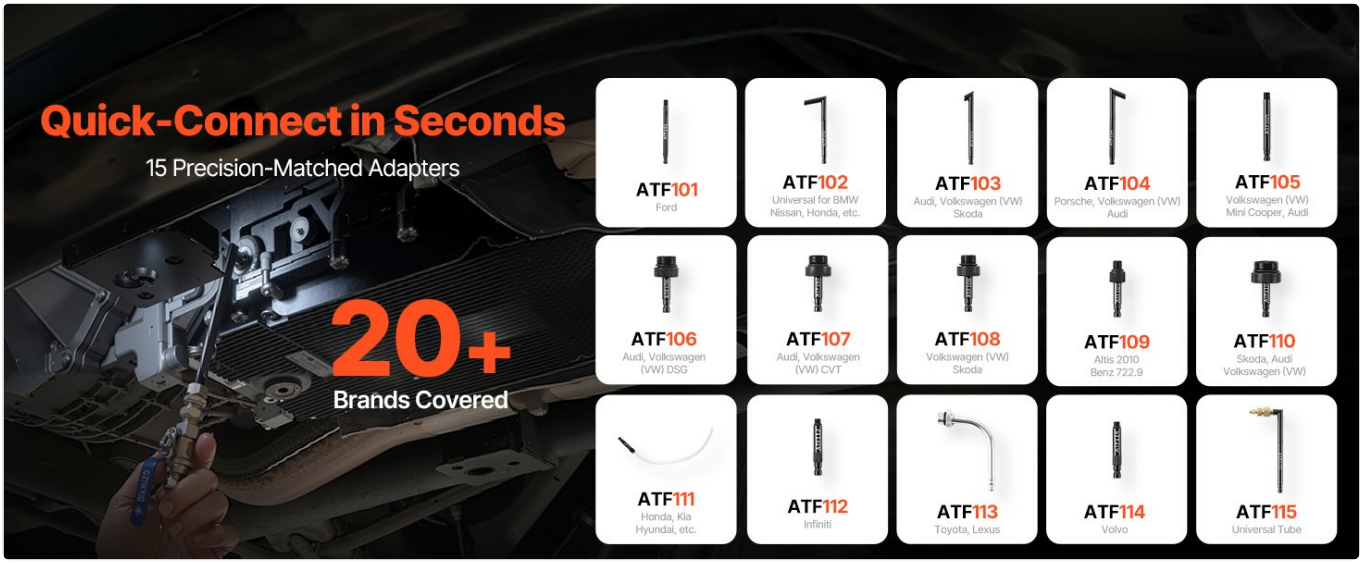


Visual guide for the 4 steps to dispense fluid into a vehicle's transmission.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your VEVOR fluid pump:

- **Cleaning:** After each use, especially when switching fluid types, clean the reservoir, hoses, and adapters thoroughly to prevent cross-contamination. Use appropriate cleaning agents for the type of fluid handled.
- **Inspection:** Regularly inspect hoses for cracks, kinks, or wear. Check adapters for damage or corrosion. Replace any worn or damaged parts immediately.
- **Seals and Connections:** Ensure all seals and quick couplers are in good condition and provide a tight fit. Lubricate O-rings if necessary with a compatible lubricant.
- **Storage:** Store the pump and its accessories in a clean, dry place, away from direct sunlight and extreme temperatures. Keep the adapters organized in their case.



The pump is built with durable HDPE and reinforced fittings for heavy use, but regular inspection is still crucial.

Troubleshooting

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
Pump not building pressure/vacuum	Air leak in connections; Insufficient air supply; Rotary valve not fully engaged.	Check all hose and adapter connections for tightness. Ensure air compressor is providing adequate pressure. Fully engage the rotary valve to the desired position.
Fluid flow is slow or inconsistent	Hose kinked or blocked; Incorrect adapter size; Fluid too viscous; Flow control valve not fully open.	Inspect hoses for kinks or blockages. Ensure the correct adapter is used. For very viscous fluids, allow more time or ensure fluid is at operating temperature. Open flow control valve fully.
Fluid leaks from connections	Loose connections; Damaged O-rings or seals; Incorrect adapter.	Tighten all connections. Inspect O-rings and seals for damage and replace if necessary. Ensure the correct adapter is used for the application.
Pressure gauge reading abnormal	Faulty gauge; System over-pressurized.	If the gauge appears faulty, contact support. If over-pressurized, immediately use the security relief valve to reduce pressure.

Specifications

Feature	Detail
Model Number	YS-089A
Capacity	8 Liters (2.11 US Gallons)
Discharge Method	Pneumatic Piston Press
Main Material	HDPE (High-Density Polyethylene)
Product Weight	3.5 kg (7.7 lb)
Product Dimensions (L x W x H)	210 x 220 x 490 mm (8.27 x 8.66 x 19.29 inches)

Feature	Detail
Suction Hoses	3 pieces (Ø6 mm, Ø8 mm, Ø10 mm), each 120 cm long
Fill Hose	1 piece (Ø10 mm), 200 cm long
Adapters	15 pieces (ATF101-ATF115)

Warranty and Support

VEVOR products are designed for durability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official VEVOR website. If you encounter any issues or require technical assistance, please contact VEVOR customer support through their official channels. Have your product model number (YS-089A) and purchase information ready when contacting support.

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