VEVOR 6.5L Oil Extractor Pump

VEVOR 6.5L Manual Fluid Extractor Pump User Manual

Model: 6.5L Oil Extractor Pump (YS-087)

1. Product Overview

The VEVOR 6.5L Manual Fluid Extractor Pump is designed for efficient and clean extraction of various liquids from vehicles and machinery. This manual provides comprehensive instructions for its safe and effective use.

Key Features

- **Manual Operation:** This fluid extractor operates manually, eliminating the need for external power sources or additional equipment. This design simplifies maintenance and operation.
- **All-in-One Kit:** The package includes a 6.5L (1.74 Gallon) tank, a main tube, a dipstick, two extension tubes, a liquid suction hose, two sealing rings, and a user manual. This comprehensive set supports various fluid extraction tasks.
- **Thorough Fluid Extraction:** Equipped with four different sizes of extraction tubes, the system is designed to reach deep into fluid reservoirs, ensuring thorough removal. Tube dimensions are: Main Tube: 9.8" x 39.37" (249 x 1000 mm); Extension Tube 1: 0.28" x 47.24" (7 x 1200 mm); Extension Tube 2: 0.24" x 47.24" (6 x 1200 mm); Suction Hose: 0.31" x 58.27" (8 x 1480 mm).
- **Convenient Usage:** The fluid extraction process involves four simple steps: selecting the appropriate tube, inserting it into the dipstick tube, manually pumping to create vacuum, and pouring out the extracted fluid. This method promotes clean and efficient fluid changes.
- **Wide Application:** This extractor is suitable for various liquids including engine oil, gear oil, power steering fluid, and brake fluid. It can be used for cars, motorcycles, yachts, lawnmowers, tractors, and other equipment.

Image 1.1: The VEVOR 6.5L Manual Fluid Extractor Pump with its included tubes and accessories.

Image 1.2: The fluid extractor demonstrating its compatibility with various vehicles and equipment, including cars, motorcycles, and lawnmowers.

2. Package Contents

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

- 1 x Fluid Extractor Tank (6.5L / 1.74 Gallons)
- 1 x Main Tube (0.39" O.D. x 39.37" L / 9.8 x 1000 mm)
- 1 x Dipstick (39.37" L / 1000 mm)
- 1 x Extension Tube 1 (0.28" O.D. x 47.24" L / 7 x 1200 mm)
- 1 x Extension Tube 2 (0.24" O.D. x 47.24" L / 6 x 1200 mm)
- 1 x Liquid Suction Hose (0.31" O.D. x 58.27" L / 8 x 1480 mm)
- 2 x Sealing Rings (Ø1.26" / 32 mm)
- 1 x User Manual

Image 2.1: Detailed view of all included accessories with their respective labels and dimensions.

3. Safety Instructions

Read and understand all safety warnings and instructions before using this product. Failure to follow these instructions may result in property damage or personal injury.

- Always wear appropriate personal protective equipment, including safety glasses and gloves, when handling fluids.
- Ensure the work area is well-ventilated to avoid inhaling hazardous fumes.
- Do not use this extractor for flammable liquids such as gasoline or highly corrosive chemicals. This product is designed for non-flammable automotive fluids.
- Keep children and bystanders away from the work area.
- Dispose of extracted fluids responsibly according to local environmental regulations. Do not pour used fluids down drains or onto the ground.
- Ensure all connections are secure before operating the pump to prevent leaks.
- Do not overfill the extractor tank. Monitor the fluid level during extraction.
- Clean the extractor thoroughly after each use to prevent contamination and prolong its lifespan.

4. Setup and Assembly

The VEVOR Fluid Extractor is designed for straightforward assembly. Follow these steps to prepare the unit for use:

1. **Unpack Components:** Remove all items from the packaging and verify against the 'Package Contents' section.
2. **Attach Main Tube:** Securely connect the main tube to the extractor tank's inlet port. Ensure a tight seal.
3. **Select Extension Tube:** Choose the appropriate extension tube based on the depth required for fluid extraction. Connect it firmly to the dipstick or directly to the main tube if applicable.
4. **Prepare Suction Hose:** If using the liquid suction hose, connect it to the main tube.
5. **Check Sealing Rings:** Ensure the sealing rings are properly seated on connections to maintain vacuum integrity.

Image 4.1: Demonstrates the manual pumping action required to create vacuum for fluid extraction.

Image 4.2: Illustrates the four ultra-long tubes included, highlighting their different sizes for reaching various depths.

5. Operating Instructions

Follow these steps for effective and clean fluid extraction:

1. **Prepare the Vehicle/Equipment:** For engine oil changes, it is often recommended to warm up the engine slightly (e.g., run for 5-10 minutes) to make the oil flow more easily. Ensure the vehicle is on a level surface and the engine is off.
2. **Select and Connect Tube:** Choose the most suitable extension tube for the application. Connect it to the main tube.
3. **Insert Tube:** Locate the dipstick tube on the engine or fluid reservoir. Remove the dipstick and carefully insert the connected extraction tube into the dipstick tube until it reaches the bottom of the fluid reservoir. Ensure the tube is not obstructed.
4. **Initiate Extraction:** Begin manually pumping the handle of the extractor. This action creates a vacuum inside the tank, drawing the fluid through the tube and into the extractor. Continue pumping until the fluid flow starts, then maintain a steady pumping rhythm.
5. **Monitor Fluid Level:** Observe the fluid level in the extractor tank. Stop pumping when the tank is full or

when no more fluid is being extracted from the source.

6. **Remove Tube:** Once extraction is complete, carefully remove the extraction tube from the dipstick tube.
7. **Dispose of Fluid:** Transport the extractor to an appropriate disposal container. Use the discharge port to pour the extracted fluid into a recycling container. Refer to local regulations for proper disposal of used automotive fluids.

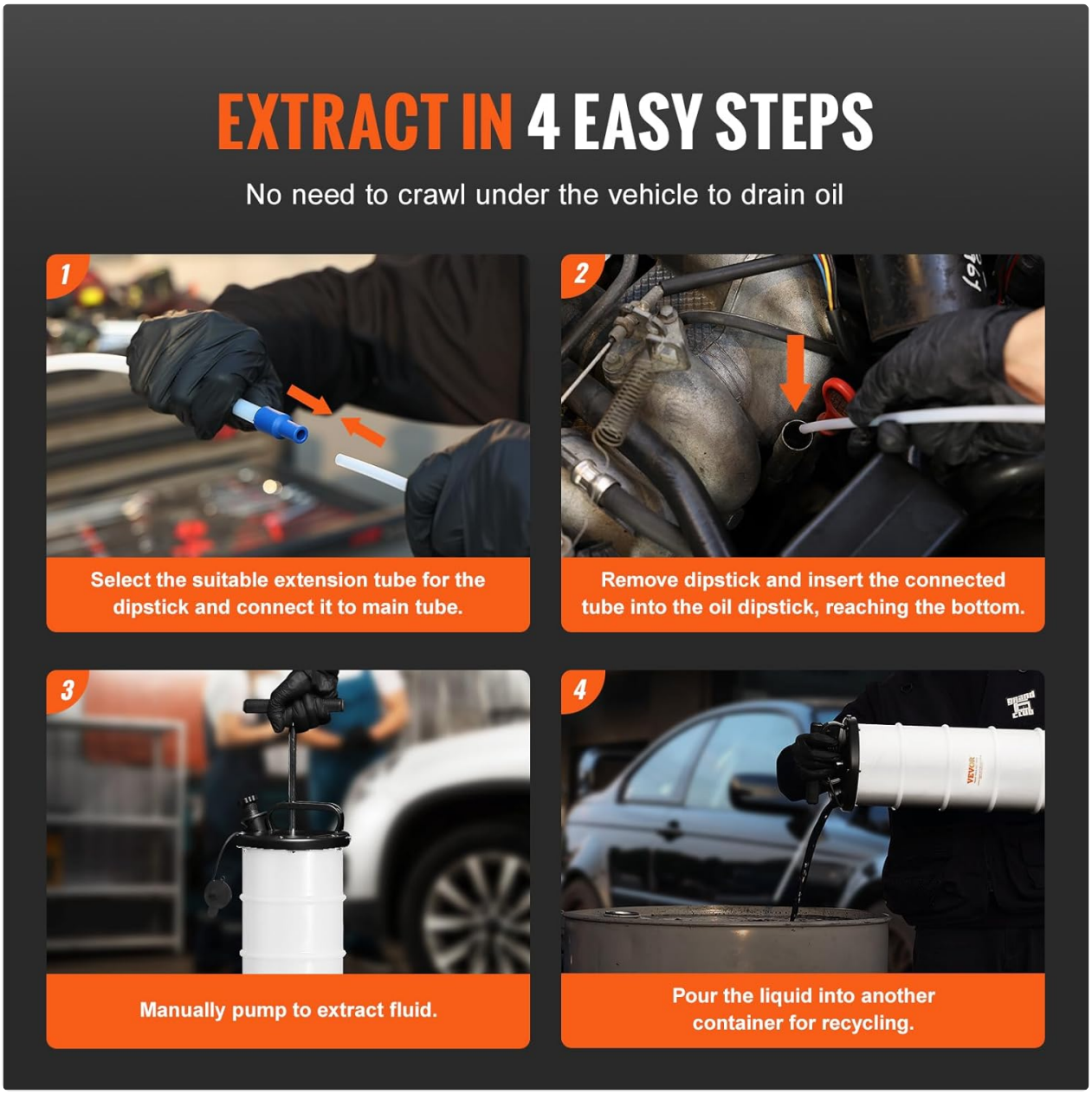

Image 5.1: A visual guide detailing the four easy steps for fluid extraction: select tube, insert into dipstick, manually pump, and pour for recycling.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your fluid extractor.

- **Cleaning:** After each use, especially when changing fluid types, clean the extractor tank and tubes. You can flush the system with a small amount of clean, compatible fluid (e.g., fresh oil for oil extractors) to remove residues.
- **Inspect Seals:** Regularly check the sealing rings and connections for wear or damage. Replace any worn or cracked seals to maintain vacuum integrity.
- **Storage:** Store the fluid extractor in a clean, dry place, away from direct sunlight and extreme

temperatures. Ensure all tubes are clean and stored neatly to prevent kinks or damage.

- **Handle with Care:** Avoid dropping or subjecting the unit to heavy impacts, which could damage the tank or internal components.

7. Troubleshooting

If you encounter issues during operation, refer to the following troubleshooting guide:

- **No Vacuum or Weak Suction:**
  - Check all connections (main tube, extension tubes) for tightness. Ensure no air leaks are present.
  - Inspect sealing rings for damage or improper seating. Replace if necessary.
  - Ensure the extraction tube is fully submerged in the fluid and not drawing air.
  - Verify the pump mechanism is operating smoothly.
- **Slow Extraction:**
  - Ensure the fluid is warm enough to flow easily.
  - Check for blockages in the extraction tube.
  - Confirm the tube diameter is appropriate for the fluid viscosity and dipstick opening.
  - Increase pumping speed if safe to do so.
- **Fluid Leaks:**
  - Tighten all connections.
  - Inspect the tank for cracks or damage. If damaged, discontinue use.
  - Ensure the discharge port cap is securely closed during extraction.

8. Specifications

Technical specifications for the VEVOR 6.5L Manual Fluid Extractor Pump:

- **Item Model Number:** YS-087
- **Capacity:** 6.5 Liters (1.74 Gallons)
- **Pedal Hook Size:** Ø0.16" x 3.35" / 4 x 85 mm
- **Draw Rod Size:** 6.30" x 0.93" / 160 x 23.5 mm
- **Piston Rod Diameter:** Ø0.55" / 14 mm
- **Discharge Port Diameter:** Ø1.26" / 32 mm
- **Color:** White + Black
- **Material:** PP (Polypropylene)
- **Product Weight:** 2.3 kg (5.07 lbs)
- **Product Dimensions:** Ø7.87" x 19.69" / 200 x 550 mm (Diameter x Height)
- **Manufacturer Part Number:** 1.74 Gallons Fluid Extractor 6-125PSI

Image 8.1: Visual representation of the product's key dimensions and specifications.

9. Warranty and Support

Warranty information for the VEVOR 6.5L Manual Fluid Extractor Pump is not provided in the available product data. For specific warranty details, technical support, or to inquire about replacement parts, please contact VEVOR customer service directly through their official website or the retailer where the product was purchased.

Please retain your purchase receipt as proof of purchase for any warranty claims.