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WilTec 51609

WilTec 7L Oil and Fluid Suction Pump Instruction Manual

Model: 51609

1. INTRODUCTION

The WilTec 7-liter oil and fluid suction pump is designed for the easy and clean extraction of various non-aggressive liquids, including engine oil, transmission fluid, and lubricating oil. This manual pump operates on a vacuum principle, eliminating the need for compressed air or electricity, making it a versatile tool for automotive, marine, and general fluid transfer applications. Its robust construction and included accessories ensure efficient and mess-free fluid changes.



Image 1: WilTec 7-liter oil and fluid suction pump with various suction hoses.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the pump. Failure to follow these instructions may result in injury or damage to the equipment.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when handling fluids.
- Ensure adequate ventilation when working with engine oils or other chemicals.
- Do not use the pump with highly flammable, corrosive, or explosive liquids. This pump is designed for non-aggressive fluids only.
- Dispose of all waste fluids responsibly and in accordance with local environmental regulations.
- Keep the pump and its accessories out of reach of children and unauthorized personnel.
- Ensure all hose connections are secure before operating the pump to prevent leaks.
- Do not overfill the collection container. Monitor the fluid level during operation.

3. PRODUCT OVERVIEW AND COMPONENTS

The WilTec 7L Oil and Fluid Suction Pump consists of the following main components:

- **Collection Container:** A robust 7-liter polypropylene tank for holding extracted fluids.
- **Manual Pump Mechanism:** Integrated handle for creating vacuum pressure.
- **Suction Hoses:** Three different diameter hoses (\varnothing 4.5 mm, \varnothing 5.8 mm, \varnothing 6.7 mm), each 85 cm long, to accommodate various dipstick tubes and access points.
- **Hose Connectors:** For attaching the suction hoses to the pump.



Image 2: Top view of the pump, illustrating the manual handle and fluid inlet.

4. SETUP

Follow these steps to prepare your WilTec suction pump for use:

1. Unpack all components from the packaging.
2. Identify the appropriate suction hose for your application. The three hoses have different diameters (\emptyset 4.5 mm, \emptyset 5.8 mm, \emptyset 6.7 mm) to fit various openings, such as engine dipstick tubes.
3. Connect the chosen suction hose firmly to the pump's inlet port. Ensure a tight seal to prevent air leaks, which can reduce suction efficiency.
4. Place the pump on a stable, level surface near the vehicle or equipment from which fluid will be extracted.

5. OPERATING INSTRUCTIONS

To extract fluids using your WilTec pump, follow these steps:

1. Ensure the engine or system from which you are extracting fluid is warm. Warm oil or fluid flows more easily, improving extraction speed and completeness.
2. Insert the free end of the suction hose into the fluid reservoir. For engine oil changes, this is typically through the dipstick tube. Push the hose down until it reaches the bottom of the oil pan.
3. Operate the manual pump handle by pulling it up and pushing it down repeatedly. This action creates a vacuum inside the collection container.
4. As the vacuum builds, the fluid will be drawn up through the hose and into the 7-liter collection container.
5. Continue pumping until no more fluid is being extracted or the desired amount has been removed. The transparent container allows you to monitor the fluid level.
6. Once extraction is complete, carefully remove the suction hose from the reservoir.
7. Transport the full container to an appropriate disposal facility.

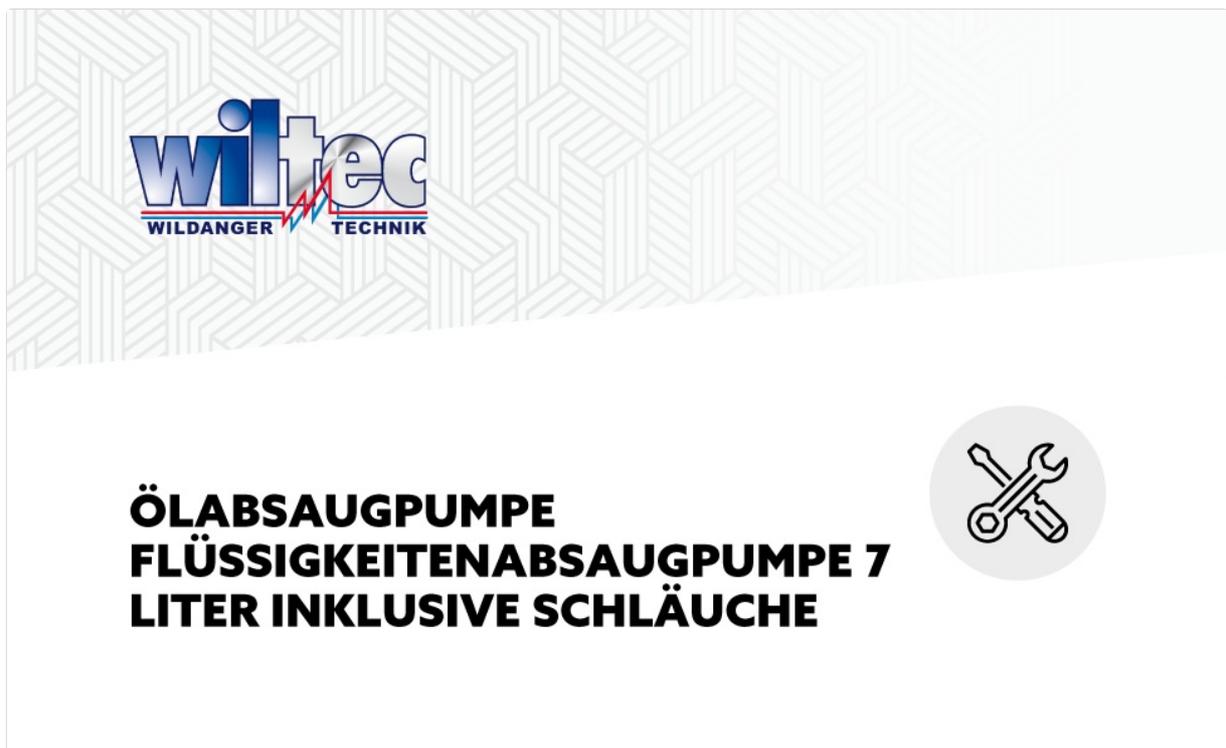


Image 3: Illustration of the pump in use, demonstrating fluid extraction.

6. MAINTENANCE

Proper maintenance ensures the longevity and efficient operation of your WilTec suction pump:

- **Cleaning After Use:** After each use, empty the collection container and clean the suction hose. For oil extraction, you may pump a small amount of cleaning fluid (e.g., a non-aggressive solvent or gasoline, if safe for your application) through the system to clear any residual oil from the pump mechanism and hoses.
- **Storage:** Store the pump and hoses in a clean, dry place, away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the hoses for cracks, kinks, or damage. Replace any damaged hoses immediately to maintain proper suction.
- **Seals:** Check the pump's seals and connections for wear. A good seal is crucial for maintaining vacuum pressure.

7. TROUBLESHOOTING

If you encounter issues with your WilTec suction pump, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Low or no suction	<ul style="list-style-type: none">• Loose hose connection• Air leak in the pump or container• Hose not fully submerged in fluid• Fluid too cold/viscous• Hose blocked	<ul style="list-style-type: none">• Ensure all hose connections are tight.• Check for cracks or damage to the container or pump body.• Push the suction hose deeper into the fluid reservoir.• Allow the fluid (e.g., engine oil) to warm up.• Remove and inspect the hose for blockages.
Fluid extraction is slow	<ul style="list-style-type: none">• Fluid is too cold/viscous• Small diameter hose used for thick fluid• Partial air leak	<ul style="list-style-type: none">• Ensure fluid is warm before extraction.• Use the largest diameter hose that fits the opening.• Check all connections for minor air leaks.
Hose does not reach bottom of reservoir	Hose is too short for the application	Consider using a longer compatible extension hose if available, or reposition the pump closer to the fluid source.

8. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model	Wiltec Oil and Liquid Suction Pump
Capacity	7 Liters
Dimensions (L x W x H)	24 x 21 x 65 cm
Weight	2.38 kg
Container Material	Robust Polypropylene
Suction Hose Length	85 cm (for all included hoses)
Suction Hose Diameters	Ø 4.5 mm, Ø 5.8 mm, Ø 6.7 mm
Manufacturer Part Number	51609

9. WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts, please contact WilTec customer service directly. Refer to your purchase documentation or the official WilTec website for contact details.