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> SMOTIVEPRO 200ml Oil Extraction Hand Pump Instruction Manual

## SMOTIVEPRO MY-SE20258

# SMOTIVEPRO 200ml Oil Extraction Hand Pump Instruction Manual

Model: MY-SE20258

## 1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your SMOTIVEPRO 200ml Oil Extraction Hand Pump, Model MY-SE20258. This versatile tool is designed for the extraction and infusion of various automotive and industrial fluids, including engine oil, gear oil, brake fluid, coolant, and other liquids. Please read this manual thoroughly before operation to ensure proper usage and to prevent damage to the device or injury.

## 2. PRODUCT OVERVIEW AND COMPONENTS

The SMOTIVEPRO 200ml Oil Extraction Hand Pump is constructed from durable materials, featuring a transparent cylinder with a clear scale for monitoring fluid levels. It includes a robust piston with double rubber seals to prevent leakage and ensure efficient operation.

### 2.1 Components Included:

- 200ml Fluid Filling & Extracting Syringe (Main Unit)
- Flexible Extension Hoses (various lengths and diameters)
- Connectors and Seals



Figure 1: Overview of the SMOTIVEPRO 200ml Oil Extraction Hand Pump and its included accessories, including the main syringe, various hoses, and connectors.

## 2.2 Key Features:

- **Capacity:** 200ml (200cc) transparent cylinder with clear measurement markings.
- **Durable Construction:** High-quality plastic and metal components for longevity.
- **Leak-Proof Design:** Built-in double rubber pads on the piston and secure connectors prevent fluid leakage.
- **Versatile Application:** Suitable for engine oil, gearbox oil, chemical-resistant oils, brake fluid, coolant, water, and other liquids.
- **Extension Hoses:** Includes auxiliary hoses for reaching confined spaces and various applications.
- **Easy to Clean:** Designed for simple disassembly and cleaning.

## 3. SAFETY INFORMATION

Always observe the following safety precautions when using the oil extraction pump:

- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection, when handling fluids.
- Ensure the work area is well-ventilated, especially when dealing with volatile or hazardous fluids.

- Do not use the pump for highly corrosive or flammable liquids unless specifically rated for them.
- Dispose of used fluids responsibly and according to local regulations.
- Keep out of reach of children.
- Do not apply excessive force to the pump, as this may cause damage or leakage.

## 4. SETUP AND ASSEMBLY

Before using the pump, ensure all components are clean and properly assembled.

1. **Select Appropriate Hose:** Choose the extension hose that best suits your application. The pump includes various lengths and diameters for different access requirements.
2. **Attach Hose to Pump:** Securely attach the selected hose to the quick connector on the main syringe cylinder. Ensure a tight fit to prevent air leaks during suction or fluid leaks during infusion. The dual rubber rings within the connector are designed to create an airtight seal.
3. **Prepare for Use:** Ensure the piston is fully retracted before beginning any operation.



Figure 2: The SMOTIVEPRO pump shown with its various extension hoses, illustrating the different sizes available for diverse applications.

## EXTRACTION AND INFUSION OF FLUID

- THE HOSE IS ATTACHED TO THE QUICK CONNECTOR ON THE CYLINDER. DUAL RUBBER RINGS FROM AN AIRTIGHT SEAL TO INCREASE SUCTION POWER



SILICONE CONNECTOR

Figure 3: A close-up view demonstrating how the extension hose attaches to the quick connector on the pump cylinder, highlighting the secure connection.

## EXTRACTION AND INFUSION OF FLUID

- THE PUMP INCLUDES A 49CM X 7 X 4MM (OUTER DIAMETER) HOSE EXTENSION FOR LONG REACH AND SMALL DIAMETER APPLICATIONS

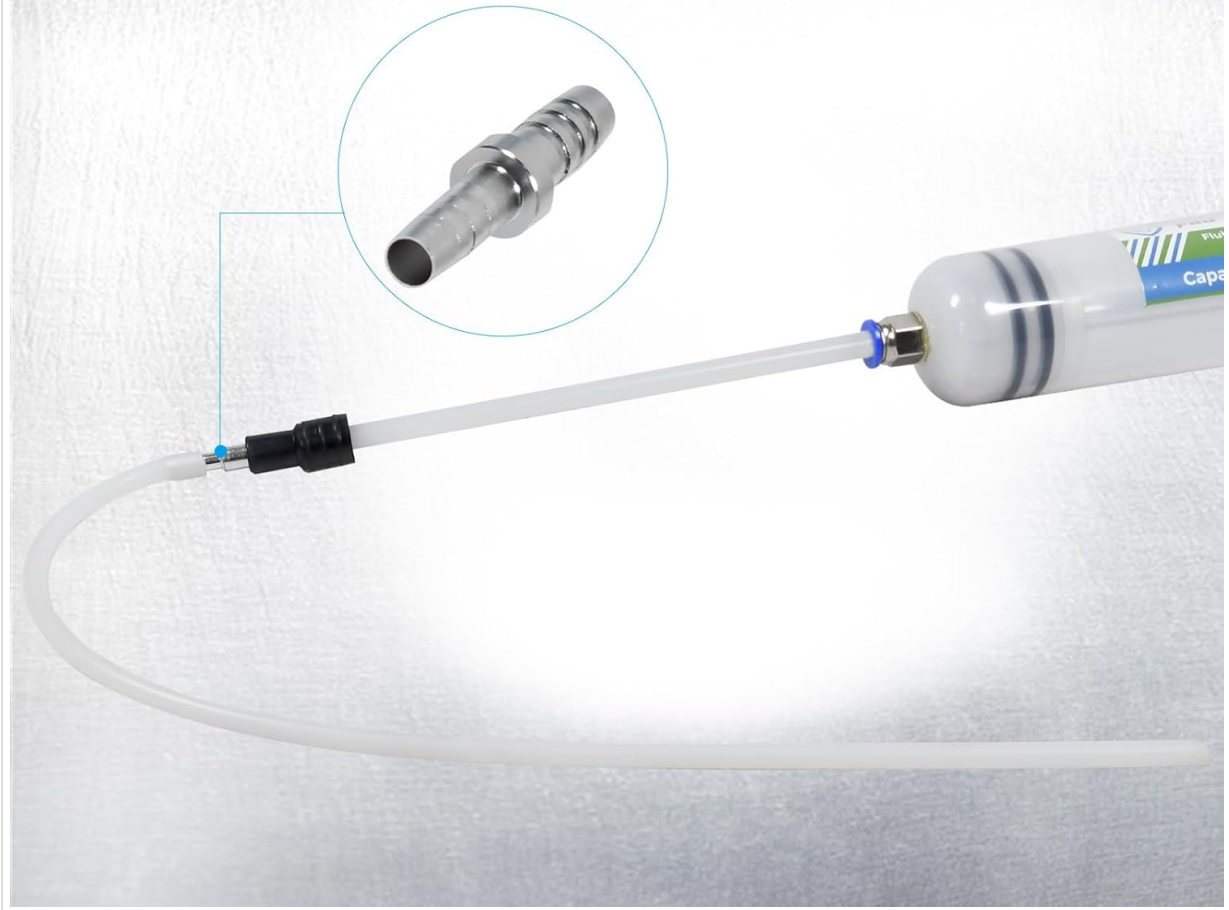


Figure 4: An illustration of the pump connected to a long extension hose with a metal connector, useful for reaching deep or narrow access points.

## 5. OPERATING INSTRUCTIONS

### 5.1 Fluid Extraction:

1. **Prepare the Pump:** Ensure the pump is clean and the appropriate hose is securely attached.
2. **Insert Hose:** Carefully insert the free end of the hose into the fluid reservoir or container from which you wish to extract fluid. Ensure the hose reaches the desired depth without obstruction.
3. **Extract Fluid:** Pull the piston handle outwards slowly and steadily. The transparent cylinder allows you to monitor the fluid being drawn into the pump and observe the volume using the integrated scale.
4. **Transfer Fluid:** Once the desired amount of fluid is extracted, remove the hose from the source. Position the pump over a suitable waste container or new reservoir.
5. **Release Fluid:** Push the piston handle inwards to expel the fluid from the pump.



Figure 5: The SMOTIVEPRO pump in action, demonstrating fluid extraction from a vehicle's reservoir within the engine bay, highlighting its ease of use in confined spaces.

## 5.2 Fluid Infusion/Filling:

1. **Prepare the Pump:** Ensure the pump is clean and the appropriate hose is securely attached.
2. **Fill the Pump:** Submerge the end of the hose into the fluid you wish to infuse. Pull the piston handle outwards to draw the fluid into the pump cylinder.
3. **Position for Infusion:** Insert the free end of the hose into the target reservoir or filling hole.
4. **Infuse Fluid:** Slowly push the piston handle inwards to dispense the fluid into the target. Monitor the fluid level in the target reservoir as needed.

## 6. MAINTENANCE AND CLEANING

Regular cleaning and maintenance will extend the life of your SMOTIVEPRO pump.

1. **Disassembly:** The pump is designed for easy disassembly. Carefully separate the main cylinder, piston, and hoses.
2. **Cleaning:** Rinse all components thoroughly with an appropriate cleaning agent, depending on the type of fluid previously handled. For oil-based fluids, a degreaser may be necessary. For water-based fluids,

soap and water are usually sufficient. Ensure all fluid residues are removed.

3. **Drying:** Allow all components to air dry completely before reassembly or storage.
4. **Storage:** Store the pump and its accessories in a clean, dry place, away from direct sunlight and extreme temperatures.

*Note: Avoid mixing different types of fluids in the pump without thorough cleaning in between, as this can lead to contamination or chemical reactions.*

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Poor suction or fluid leakage	Loose hose connection; Worn or damaged rubber seals; Obstruction in hose.	Ensure hose is securely attached. Inspect and replace rubber seals if necessary. Check and clear any obstructions in the hose.
Piston difficult to move	Lack of lubrication; Fluid residue buildup; Damaged piston.	Clean and lightly lubricate the piston seals with a compatible lubricant. Thoroughly clean the cylinder interior. If damaged, consider replacement.
Fluid not dispensing smoothly	Air trapped in pump; Obstruction in hose or nozzle.	Ensure pump is filled completely with fluid before dispensing. Check and clear any obstructions.

## 8. SPECIFICATIONS

- **Model Number:** MY-SE20258
- **Capacity:** 200 ml (200cc)
- **Material:** Plastic and Metal
- **Dimensions (Main Unit):** Approximately 31.7 cm (12.5 inches) in length
- **Weight:** Approximately 310 g
- **Manufacturer:** SUNBRIGHT TOOLS CO.,LTD

## 200ML OIL SUCTION PUMP

- FILLING AND TRANSFERRING VARIOUS FLUIDS
- SUITABLE FOR ENGINE OIL, GEARBOX OIL, AS WELL AS CHEMICAL-RESISTANT OILS, BRAKE FLUID, COOLANT, WATER, AND OTHER LIQUIDS



THICKENED LEVER



LOCK BUCKLE DESIGN



Figure 6: The SMOTIVEPRO pump with an overlay indicating its approximate length of 31.7 cm (12.5 inches).

## 9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact SMOTIVEPRO customer service directly. Keep your purchase receipt as proof of purchase.