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› SHURFLO 8005-733-155 Diaphragm Pump User Manual

## SHURFLO 8005-733-155

# SHURFLO 8005-733-155 Diaphragm Pump User Manual

Model: 8005-733-155 | Brand: SHURFLO

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## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your SHURFLO 8005-733-155 Diaphragm Pump. The pump is designed for applications requiring high pressure and a flow rate of 1.5 GPM. Its compact design allows for versatile mounting, ensuring a long and reliable service life.

## 2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation to prevent injury or damage to the pump.

- **WARNING:** This product contains a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.
- **CAUTION:** NOT FOR USE WITH FLAMMABLE LIQUIDS. Do not pump flammable liquids.
- To reduce the risk of electrical shock, connect the pump only to a properly grounded receptacle.
- This pump has NOT been investigated for use in swimming pool or marine areas.
- This is a non-submersible water pump, acceptable for indoor use only.
- The end user is responsible for employing the pump to move liquids other than water.
- Motor duty cycle will vary with load and ambient temperature.



Image: SHURFLO 8005-733-155 Diaphragm Pump. Note the red caution label indicating "NOT FOR USE WITH FLAMMABLE LIQUIDS" and the blue label with model number and electrical specifications.

### 3. PRODUCT OVERVIEW AND FEATURES

The SHURFLO 8005-733-155 is a robust demand pump designed for various applications. Key features include:

- **Self-Priming:** Capable of self-priming up to 8 vertical feet.
- **Flow Rate:** Delivers a maximum flow rate of 1.5 Gallons per Minute (5.3 Liters per Minute).
- **Ports:** Equipped with 1/2" -14 Male Parallel threaded ports for easy connection.
- **Dry Run Capability:** Designed to run dry without sustaining damage.
- **Certifications:** NSF and CSA listed for quality and safety.

- **Pressure:** Maximum switch pressure of 60 PSI (4.1 BAR).
- **Motor:** 115 VAC, 60 Hz, 0.7 Max Amps, 81 Watts, with an internal 1.0 Amp Slow Blow Fuse. Thermally Protected.

## 4. SETUP AND INSTALLATION

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Proper installation is crucial for optimal performance and longevity of your pump. Follow these general guidelines:

1. **Mounting:** The pump can be mounted in any position. Secure it to a stable surface using appropriate fasteners. Ensure adequate ventilation around the motor.
2. **Inlet/Outlet Connections:** Connect the inlet port to your water source and the outlet port to your delivery system using compatible 1/2" -14 Male Parallel threaded fittings. Ensure all connections are tight to prevent leaks.
3. **Electrical Connection:** Connect the pump to a 115 VAC, 60 Hz power supply. Always use a properly grounded receptacle to prevent electrical shock. The pump is thermally protected.
4. **System Priming:** Before initial operation, ensure the pump and inlet line are filled with water to facilitate self-priming.

## 5. OPERATING INSTRUCTIONS

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The SHURFLO 8005-733-155 is a demand pump, meaning it operates automatically based on system pressure.

- **Initial Start-up:** Once installed and connected, turn on the power supply to the pump. Open a faucet or valve in your delivery system to allow air to escape and water to flow. The pump will begin to operate, drawing water and building pressure.
- **Automatic Operation:** When the faucet or valve is closed, the pump will build pressure to its maximum switch pressure (60 PSI) and then automatically shut off. When a faucet or valve is opened, the pressure drops, and the pump will automatically restart.
- **Dry Running:** The pump is designed to run dry without damage, but continuous dry running should be avoided if possible to conserve energy and extend pump life.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and efficient performance of your SHURFLO pump.

- **Inspection:** Periodically inspect all connections for leaks and ensure the mounting is secure. Check electrical wiring for any signs of wear or damage.
- **Cleaning:** Keep the exterior of the pump clean and free from debris. Do not use harsh chemicals that could damage the plastic components.
- **Winterization (if applicable):** If the pump is used in an environment where freezing temperatures may occur, ensure it is properly drained or protected from freezing to prevent damage.

## 7. TROUBLESHOOTING

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Refer to this section for common issues and their potential solutions.

Problem	Possible Cause	Solution
Pump does not run.	No power, loose wiring, blown fuse, motor issue.	Check power supply, ensure connections are secure, inspect fuse, contact support if motor is faulty.
Low flow or no pressure.	Air in system, clogged inlet filter, kinked hose, worn diaphragm.	Bleed air from system, clean inlet filter, straighten hoses, inspect and replace diaphragm if necessary.
Pump cycles on and off rapidly.	Small leak in system, restricted flow, pressure switch issue.	Check for leaks, ensure clear flow path, contact support for pressure switch diagnosis.
Excessive noise.	Loose mounting, cavitation (air in system), worn bearings.	Secure mounting, bleed air, contact support for internal component issues.

## 8. SPECIFICATIONS

<b>Model Number</b>	8005-733-155
<b>Brand</b>	SHURFLO
<b>Voltage</b>	115 VAC
<b>Frequency</b>	60 Hz
<b>Max Amps</b>	0.7 A
<b>Watts</b>	81 W
<b>Max Switch Pressure</b>	60 PSI (4.1 BAR)
<b>Maximum Flow Rate</b>	1.5 GPM (5.3 L/min)
<b>Maximum Lifting Height</b>	8 Feet (Self-priming)
<b>Ports</b>	1/2" -14 Male Parallel threaded
<b>Material</b>	Plastic
<b>Item Weight</b>	3.9 Pounds
<b>Product Dimensions</b>	7.53 x 5 x 4.08 inches
<b>Certifications</b>	NSF, CSA listed
<b>Manufacturer</b>	Shurflo
<b>UPC</b>	635510446293

## 9. WARRANTY AND SUPPORT

For warranty information, technical assistance, or replacement parts, please contact SHURFLO directly.

- **Website:** [www.shurflo.com](http://www.shurflo.com)
- **Phone (Cypress, CA):** (800) 854-3218

- **Phone (Elkhart, IN):** (800) 762-8094

Please have your model number (8005-733-155) and manufacturing date (if available on the pump label) ready when contacting support.