

WASSERMANN 3/4SEP215-SJES

WASSERMANN 3/4 HP Sewage Pump Instruction Manual

Model: 3/4SEP215-SJES

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your WASSERMANN 3/4 HP Submersible Sewage Pump. Please read all instructions carefully before use and retain this manual for future reference.

The WASSERMANN 3/4 HP submersible sewage pump is designed for demanding drainage tasks, featuring a high-efficiency oil-filled split capacitor motor. It is suitable for applications such as basement drainage, sump basin sewage wells, and other dirty water pumping needs.

2. SAFETY INFORMATION

- **Electrical Safety:** Ensure the power supply matches the pump's voltage (115V). Always connect to a properly grounded outlet. Do not operate with damaged cords or plugs.
- **Immersion:** The pump must be fully immersed in water during operation to prevent overheating.
- **Liquid Compatibility:** This sewage pump is designed for water. Do not use it for flammable, explosive, corrosive liquids, such as oil, gasoline, kerosene, or ethanol.
- **Float Switch:** Do not override the float switch to force the pump to work in low water levels. This can damage the motor and shaft seal.
- **Handling:** Never lift the pump by its power cord. Use ropes or the lifting ring provided.
- **Air Lock Prevention:** When using a check valve, drill a relief hole (1/8" or 3/16" in diameter) in the discharge pipe to prevent air lock.



Image: Important safety warnings regarding pump immersion, liquid types, float switch, and lifting methods.

3. PRODUCT FEATURES

- **Powerful Performance:** 3/4 HP motor with a maximum flow rate of 7200 GPH and a maximum head of 32 feet.
- **Durable Construction:** Rugged cast iron casing ensures longevity and resistance to harsh environments.
- **Clog-Resistant Design:** Features a reinforced engineered non-clogging vortex impeller and a 2-inch NPT discharge, capable of passing 2-inch diameter solids.
- **Automatic/Manual Control:** Equipped with separate plugs for automatic (float switch controlled) and manual operation.
- **Overheat Protection:** Integrated protection to prevent motor damage from overheating.



Image: Visual representation of the pump's main features including automatic operation, cast iron construction, and clog-resistant impeller.

Cast Iron Pump Body



Adjustable Float Switch



2" NPT Discharge



Non-clogging Vortex Impeller



Image: Detailed views of the pump's cast iron body, adjustable float switch, 2-inch NPT discharge, and non-clogging vortex impeller.

4. COMPONENTS INCLUDED

The WASSERMANN 3/4 HP Sewage Pump package includes:

- WASSERMANN 3/4 HP Submersible Sewage Pump
- Integrated Auto Float Switch
- 10 FT Power Cable

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your sewage pump:

1. **Prepare the Discharge Pipe:** Connect PVC pipes using appropriate glue.
2. **Drill Anti-Airlock Hole:** If a check valve is used, drill a 3/16-inch hole in the discharge pipe, approximately 6 inches above the pump's discharge outlet, to prevent air lock.
3. **Seal Connections:** Wrap Teflon tape around the threaded connections of the discharge pipe to ensure a watertight seal.
4. **Install PVC Pipes:** Securely attach the prepared PVC discharge pipe to the pump's 2-inch NPT discharge outlet.
5. **Position the Pump:** Place the pump in the sump basin or sewage well, ensuring it is stable and fully immersed.
6. **Connect Power:** For automatic operation, connect the pump's plug to the float switch plug, then plug the float switch into a grounded power outlet. For manual operation, plug the pump directly into a grounded power outlet.

Your browser does not support the video tag.

Video: Installation guide for the WASSERMANN submersible sewage pump, demonstrating pipe connection, anti-airlock hole drilling, and power connection.

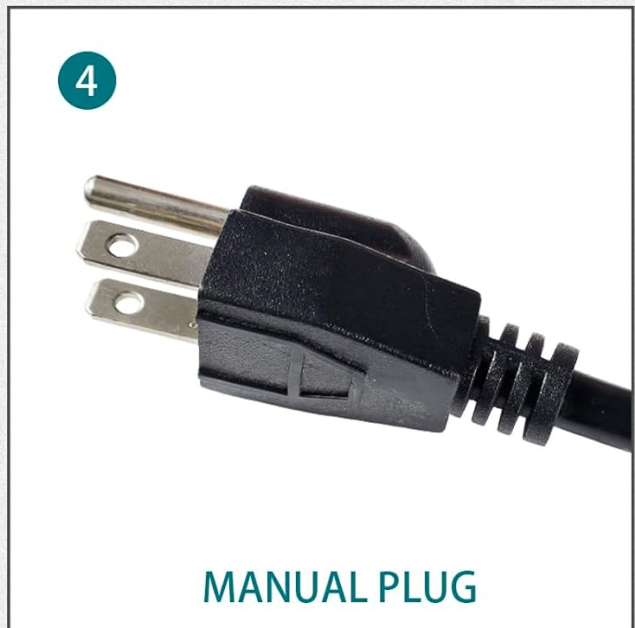
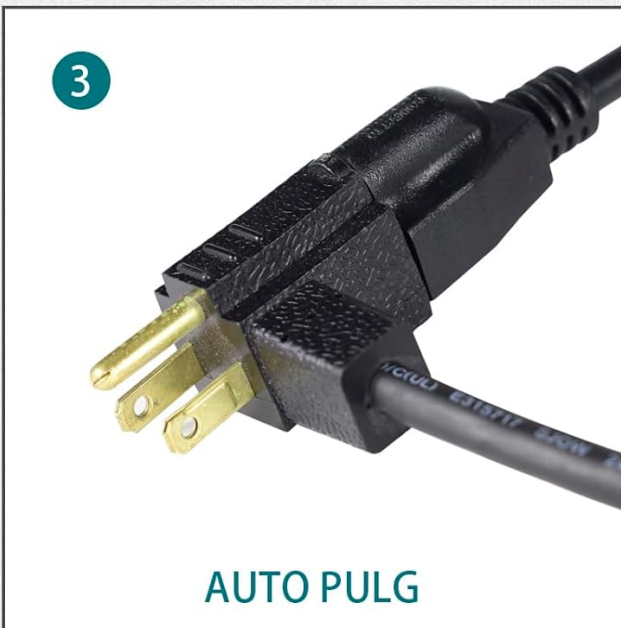


Image: Detailed view of the pump's 2-inch NPT discharge, adjustable float switch, and the distinct auto and manual power plugs.

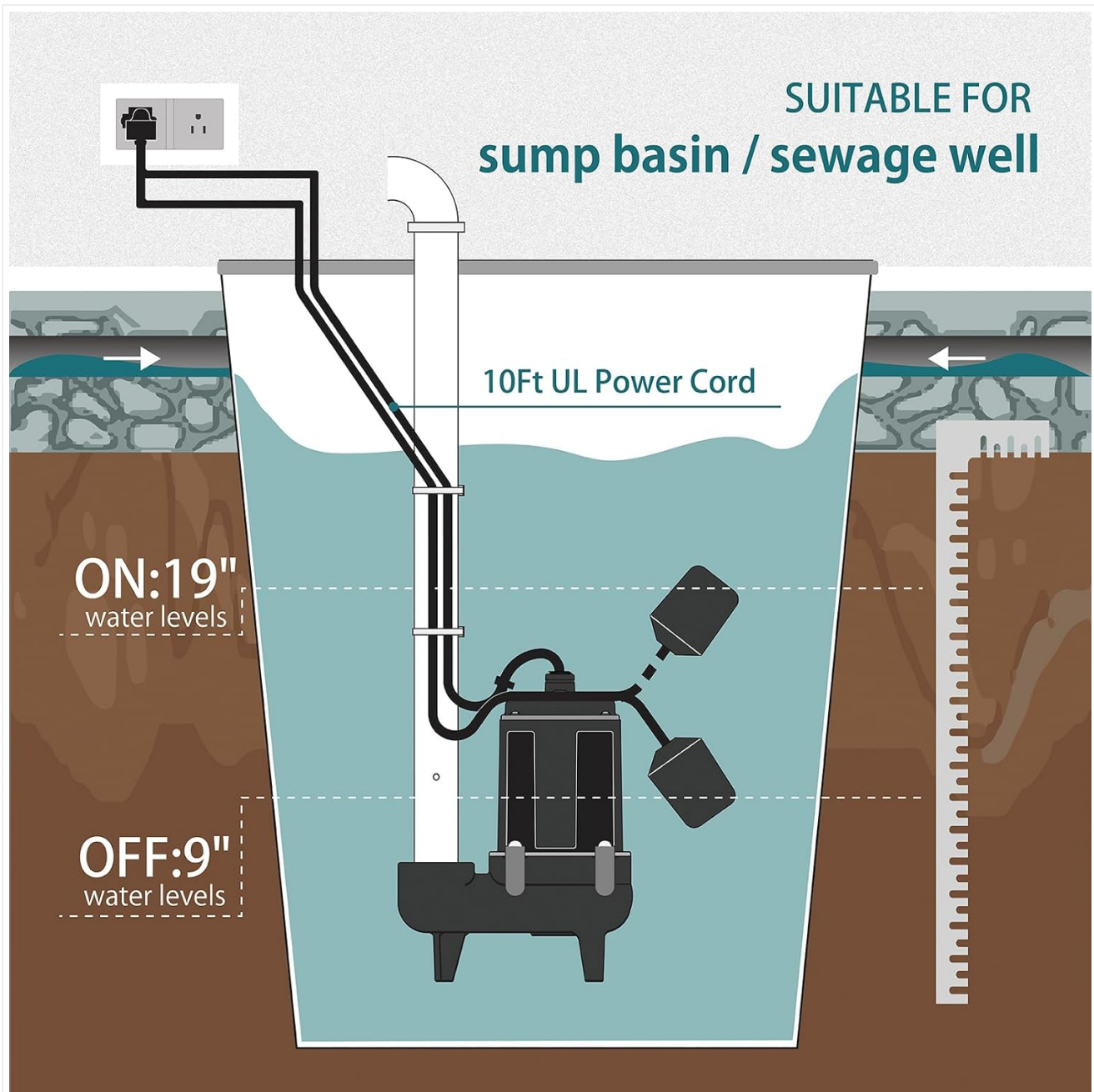


Image: Illustration of typical pump setup in a sump basin, indicating automatic start (19 inches) and stop (9 inches) water levels.

6. OPERATING INSTRUCTIONS

The WASSERMANN sewage pump offers both automatic and manual operating modes:

- **Automatic Function:** Connect the pump's power plug to the float switch plug, then connect the float switch plug to a power outlet. The pump will automatically start when the water level reaches the fixed 'ON' level (approximately 19 inches) and stop when it drops to the 'OFF' level (approximately 9 inches).
- **Manual Function:** Connect the pump's power plug directly to a power outlet. The pump will operate continuously as long as it is powered. Ensure the pump remains fully submerged to prevent damage.

The pump is ideal for various applications:

- Basement drainage
- Sump basin sewage wells
- Dirty pond water removal
- Sewage well pumping



Image: Example application: Basement drainage.



Image: Example application: Sump basin.

Reach starting
water level

Below starting
water level

- ⚠ Please keep the pump all immersed in water when using.
- ⚠ This sewage pump is designed for water.
- ⚠ Do not use it for flammable, explosive or corrosive liquids, such as oil, gasoline, kerosene, and ethanol, etc.
- ⚠ Do not override the float switch to force the pump to work in low water level. It will damage the motor and shaft seal.

Use ropes or
ring to lift the pump

Don't lift it by
the power cord

Image: Example application: Dirty pond water removal.

TECHNICAL SPECIFICATIONS

POWER 3/4HP	AMP 10A	MINIMUM STARTING WATER LEVEL 19FT
VOLTS/HERTZ 115V/60HZ	POWER CORD 10FT	MINIMUM STOPPING WATER LEVEL 9FT
MAX FLOW 7200GPH	DISCHARGE SIZE 2" NPT	WEIGHT 32 pounds
MAX SUBMERSIBLE DEPTH 30FT	MAX DELIVERY HEIGHT 32FT	



Image: Example application: Sewage well pumping.

7. MAINTENANCE

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

- **Regular Inspection:** Periodically check the pump, power cord, and float switch for any signs of damage or wear.
- **Clean Impeller:** If the pump's performance decreases, inspect the non-clogging vortex impeller for debris and clean as necessary.
- **Clear Sump/Well:** Keep the sump basin or sewage well free from excessive debris that could obstruct the pump or float switch.
- **Winterization:** In freezing climates, remove the pump from the water and store it in a warm, dry place to prevent ice damage.

8. TROUBLESHOOTING

If you encounter issues with your WASSERMANN sewage pump, consider the following common troubleshooting steps:

- **Pump Not Starting:** Check power connection, ensure the float switch is not obstructed and is reaching the 'ON' level in automatic mode. Verify the circuit breaker.
- **Pump Running Continuously:** Ensure the float switch is not obstructed and can freely drop to the 'OFF' level.
- **Low Flow/No Pumping:** Check for blockages in the intake or discharge pipe. Ensure the impeller is clear of debris. Verify the pump is fully submerged.
- **Unusual Noise:** Inspect for foreign objects in the impeller area. Ensure the pump is stable and not vibrating excessively.

If problems persist after attempting these steps, contact customer support.

9. SPECIFICATIONS

Specification	Value
Brand	WASSERMANN

Model Number	3/4SEP215-SJES
Power	3/4 HP
Voltage	115 Volts
Maximum Flow Rate	7200 GPH (120 Gallons Per Minute)
Maximum Lifting Height (Head)	32 Feet
Discharge Size	2 inch NPT
Material	Cast Iron
Product Dimensions	10.4"L x 8.6"W x 15"H
Item Weight	35.9 pounds
Power Source	AC
Included Components	Float Switch
Minimum Starting Water Level	19 inches
Minimum Stopping Water Level	9 inches

TECHNICAL SPECIFICATIONS



POWER
3/4_{HP}

AMP
10_A

VOLTAGE
115V/60_{HZ}

MAX. HEAD
32_{FT}

DISCHARGE
2" NPT

POWER CORD
10_{FT}



GPH of Water @Total Ft. of Head			
5ft	10ft	20ft	25ft
7200	6400	4400	2200

Weight:
32 lb

Image: Detailed technical specifications and dimensions of the pump.



SEWAGE WELL

Image: Performance curve illustrating the pump's flow rate at different lifting heights.

10. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase replacement parts, please refer to the WASSERMANN official website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.