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› [WASSERMANN 4" Septic Pump Water Submersible Effluent/Cistern Bottom Suction Pump Instruction Manual](#)

## WASSERMANN 4TMS5.8

# WASSERMANN 4" Septic Pump Water Submersible Effluent/Cistern Bottom Suction Pump Instruction Manual

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your WASSERMANN 4" Septic Pump Water Submersible Effluent/Cistern Bottom Suction Pump, Model 4TMS5.8. Please read these instructions thoroughly before use and retain them for future reference. Proper adherence to these guidelines will ensure optimal performance and longevity of your pump.

## 2. PRODUCT FEATURES

- **High-Quality Construction:** Features a durable stainless steel body for corrosion resistance and extended lifespan.
- **Efficient Motor:** Equipped with a hermetically sealed motor that is thermally protected to prevent overheating, ensuring powerful and reliable operation.
- **Built-in Capacitor Start:** Simplifies installation and operation.
- **Versatile Application:** Suitable for various water transfer needs including septic tanks, fish ponds, livestock watering, agricultural irrigation, and water fountain extraction.
- **Premium Filtration Mesh:** Stainless steel filtration mesh effectively filters impurities. For new wells with excessive granular sediment, an additional layer of gauze can be added in front of the inlet.
- **Flexible Installation:** Compatible with steel pipe wells, ash pipe wells, or soil wells. Steel pipe, hose, or plastic pipe can be used as the water pipe, provided pressure permits.

## 3. SAFETY INFORMATION

Always prioritize safety during installation, operation, and maintenance. Failure to follow safety instructions can result in injury or equipment damage.

- Ensure the power supply matches the pump's voltage requirements (115V/60HZ).
- Always disconnect power before performing any maintenance or installation.

- The pump must be properly grounded to prevent electrical shock.
- Do not run the pump dry; it must be fully submerged in water during operation.
- Do not place the pump horizontally. It must be installed vertically.
- This pump is designed for clear water applications. Pumping sand or abrasive materials will clog and damage the pump. Consider installing a good filter for new wells with granular sediment.
- Keep children and unauthorized personnel away from the pump and its operating area.

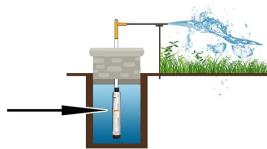
## 4. PRODUCT OVERVIEW



WASSERMANN 4" Septic Pump, Model 4TMS5.8



### LARGE FLOW HIGH HEAD LIFT



**WARNING:**  
Operates in non-corrosive  
clear water

Visual representation of Max. Head (174 FT) and Max. Flow (32 GPM).

### Key Parameters:

- **Rated Voltage:** 115V/60HZ
- **Rated Power:** 3/4HP (0.75 Horsepower)

- **Max Flow:** 32 GPM (Gallons Per Minute)
- **Max Head:** 174 FT (Feet)
- **Outlet:** 1-1/4" FNPT
- **Suitable for:** 4 inch well casings and bigger
- **Material:** Stainless Steel
- **Item Weight:** 22 Pounds
- **Product Dimensions:** 6"L x 6"W x 26"H

### Internal Components:



**High Quality Motor & Rotor**

- Oil free motor
- Powerful & High Efficiency
- High Precision
- Rotor Stable & Energy-saving

Close-up of the oil-free motor and high-precision rotor, highlighting powerful and energy-saving features.

## MULTIPLE FILTRATION MESH

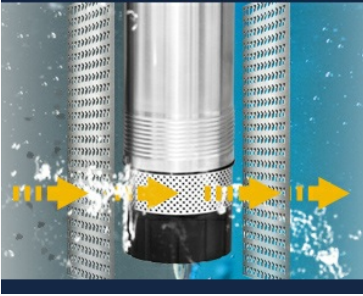


Illustration of the multiple filtration mesh for effective impurity removal.

## POWER CORD



**33 FT**  
POWER CORD



**THE PUMP**  
MUST BE  
**GROUNDED**

Image showing the 33 FT power cord and emphasizing the need for proper grounding.

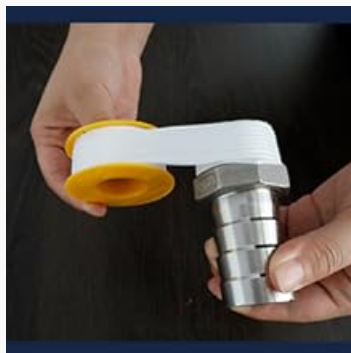
## 5. INSTALLATION

### 5.1. Pre-Installation Checks

- Verify that the well casing or cistern diameter is at least 4 inches.
- Ensure the power supply voltage and frequency match the pump's specifications (115V/60HZ).
- Inspect the pump for any visible damage before installation.
- Prepare all necessary tools and materials, including appropriate piping, fittings, and a strong rope or cable for lowering the pump.

### 5.2. Connecting the Pump

1. Apply thread seal tape to the 1-1/4" FNPT outlet of the pump.



Step 1: Apply thread seal tape to the pump's outlet.

2. Attach the appropriate discharge pipe (steel, hose, or plastic) to the pump's outlet. Secure it tightly with a hose

clamp or suitable fitting.



Step 2: Connect the discharge pipe securely.

3. Attach a strong, non-corrosive rope or safety cable to the designated rope hole on the pump. This will be used to lower and retrieve the pump.



Step 3: Secure a rope or cable to the pump for lowering.

4. Ensure all connections are watertight and secure.



Step 4: Verify all connections are tight and leak-free.

### 5.3. Lowering the Pump

Carefully lower the pump into the well or cistern using the attached rope/cable. Ensure the pump remains vertical during the entire process. Avoid dropping the pump or allowing it to hit the sides of the well/cistern, which could cause damage.

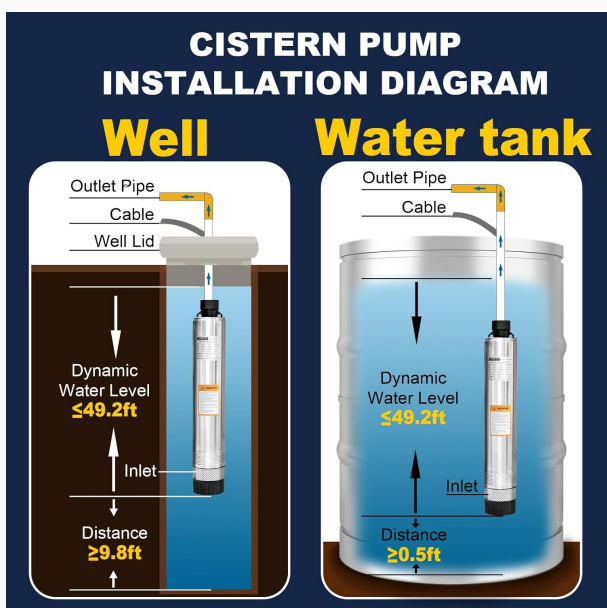


Diagram illustrating proper installation in a well and a water tank, showing dynamic water level and inlet distance requirements.

## Septic System

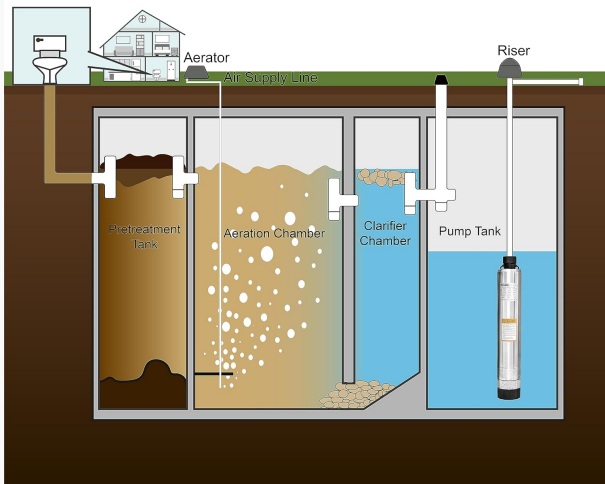


Diagram showing the placement of a submersible pump within a typical septic system's pump tank.

### 5.4. Electrical Connection

Connect the pump's power cord to a properly grounded 115V/60HZ power outlet. Ensure the connection is protected from moisture. Consult a qualified electrician if you are unsure about electrical wiring.

## 6. OPERATING INSTRUCTIONS

Once installed and connected, the pump is ready for operation. The built-in floats will activate the pump at specific water levels. Ensure the pump is always fully submerged when running.



Visual guide emphasizing that the pump body must be under the water level when running and must not be run dry or placed horizontally.

## WIDE APPLICATION SCENARIOS



Deep/Shallow Well



Livestock Water



Pumping river water



Garden Watering

Examples of pump applications: deep/shallow wells, livestock water, pumping river water, and garden watering.

## 7. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your WASSERMANN septic pump.

- **Regular Inspection:** Periodically check the pump, power cord, and discharge pipe for any signs of wear, damage, or blockages.
- **Clean Filtration Mesh:** If the pump's performance decreases, the stainless steel filtration mesh may be clogged. Disconnect power, retrieve the pump, and clean the mesh.
- **Avoid Abrasives:** Ensure the water being pumped is free of excessive sand, silt, or other abrasive materials to prevent impeller damage. Consider pre-filtration if necessary.
- **Winterization:** In freezing climates, remove the pump from the water source and store it in a frost-free location if it will not be used during winter. Drain all water from the pump and pipes.

## 8. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Pump does not start	No power; tripped circuit breaker; faulty float switch; motor issue.	Check power supply and circuit breaker. Inspect float switch for obstruction. Consult a qualified technician for motor issues.
Pump runs but no water is discharged	Pump not submerged; clogged inlet/outlet; air lock; damaged impeller.	Ensure pump is fully submerged. Clean inlet filter and discharge pipe. Prime the pump if necessary. Inspect impeller for damage.
Low water flow	Partially clogged filter/pipe; low water level; worn impeller.	Clean filter and pipes. Check water level in well/cistern. Inspect and replace worn impeller if needed.
Pump cycles frequently	Faulty float switch; small water source; check valve issue.	Inspect float switch. Ensure adequate water supply. Check for proper function of any external check valves.

## 9. SPECIFICATIONS



Performance curve showing Head (FT) vs. Flow (GPM) for the pump.

Specification	Value
Brand	WASSERMANN
Model Number	4TMS5.8
Power	3/4 HP (0.75 Horsepower) / 0.6 KW
Voltage	115V AC
Frequency	60 Hz
Max Flow Rate	32 GPM
Max Head	174 FT
Discharge Outlet	FNPT1-1/4"
Number of Stages	5
Material	Stainless Steel
Item Weight	22 Pounds
Product Dimensions	6"L x 6"W x 26"H
Power Cord Length	33 FT
Capacitor	45µF/250V
IP Rating	IP68

## 10. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact WASSERMANN customer service or refer to the product's original packaging and purchase documentation. Keep your proof of purchase for warranty claims.