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TRUPOW 600W Macerator Pump

TRUPOW 600W Macerator Pump Instruction Manual

1. PRODUCT OVERVIEW

The TRUPOW 600W Macerator Pump is designed for efficient waste water disposal in various applications, including bathrooms, laundry rooms, and marine environments. This powerful 110V-120V/60Hz pump features stainless steel non-clog blades, capable of vertical pumping up to 30 feet and horizontal pumping up to 260 feet. It offers versatile connectivity with multiple inlets for toilets, sinks, and showers, providing flexibility for plumbing installations where traditional gravity drainage is not feasible.

Key Features:

- **Powerful 600W Motor:** Ensures efficient maceration and pumping of waste.
- **Stainless Steel Non-Clog Blades:** Designed for fine processing of waste, preventing blockages.
- **High Pumping Capacity:** Vertical lift up to 30 feet, horizontal lift up to 260 feet.
- **Multiple Inlets:** Three inlets (83-100mm, 40mm, 40mm) for connecting a toilet, sink, and shower.
- **Automatic Operation:** Activates automatically when waste water enters the unit.



Figure 1: Front view of the TRUPOW 600W Macerator Pump.

2. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your TRUPOW Macerator Pump. Please follow these guidelines carefully. It is recommended that installation be performed by a qualified professional.

2.1 Unpacking and Inspection

- Carefully remove all components from the packaging.
- Verify that all parts listed in the package content are present: 1 x 600W Macerator Sewage Pump, 1 x User Manual.
- Inspect the pump for any signs of damage incurred during shipping. Do not install if damage is observed.

2.2 Placement Considerations

- The pump should be placed on a stable, level surface, preferably behind the toilet or in an accessible location for maintenance.
- Ensure adequate space around the unit for ventilation and future servicing.
- Consider the proximity to electrical outlets (110V-120V/60Hz) and plumbing connections.

2.3 Plumbing Connections

The TRUPOW Macerator Pump features multiple inlets and one outlet for connecting various fixtures.



Figure 2: Labeled diagram of the pump's inlets and outlets.

- **Toilet Inlet:** Connect the toilet outlet to the large inlet on the front of the pump (83-100mm diameter).
- **Sink/Shower Inlets:** Utilize the two smaller inlets (40mm diameter each) for connecting a sink, shower, or other greywater fixtures.
- **Discharge Outlet:** Connect the pump's outlet (32mm or 40mm diameter) to the main drainage system. Ensure a non-return check valve is installed on the discharge line to prevent backflow.
- **Ventilation:** The unit includes an activated deodorization vent. Ensure it is not obstructed.

Easy install

Convenient connections



Figure 3: Example installation diagram showing connections to a toilet and bathtub.

2.4 Electrical Connection

- Connect the pump to a grounded 110V-120V/60Hz electrical outlet.
- Ensure the electrical circuit is protected by a Ground Fault Circuit Interrupter (GFCI) for safety.
- The power cord length is approximately 3.9 feet.

3. OPERATING INSTRUCTIONS

The TRUPOW Macerator Pump operates automatically once properly installed and connected to power.

3.1 Automatic Operation

- When waste water from connected fixtures (toilet, sink, shower) enters the pump unit, an internal float switch detects the water level.
- Upon reaching a predetermined level, the pump automatically activates, macerating solids and pumping the liquid waste through the discharge pipe.
- The pump will continue to run until the water level drops below the activation threshold, then it will

automatically shut off.

3.2 Noise Level

The pump is designed for efficient operation with minimal noise output.



Figure 4: The pump operates quietly, designed not to interrupt daily activities.

3.3 User-Submitted Video Demonstrations

The following videos, submitted by users, demonstrate the TRUPOW Macerator Pump in operation. Please note these are short clips and may not represent all aspects of installation or long-term performance.

Video 1: User-submitted video demonstrating the macerator pump flushing a toilet. (Duration: 0:07)

Video 2: User-submitted video showing the macerator pump in a garage conversion setup. (Duration: 0:09)

Video 3: User-submitted video demonstrating the pump's function. (Duration: 0:20)

4. MAINTENANCE

Regular maintenance helps ensure the efficient and trouble-free operation of your macerator pump.

4.1 General Care

- **Avoid Non-Flushable Items:** Do not flush items such as sanitary products, wet wipes, cotton balls, dental floss, or excessive amounts of toilet paper. These can clog the macerator blades and pump mechanism.
- **Regular Cleaning:** Periodically clean the exterior of the pump with a damp cloth. Avoid using harsh chemicals that could damage the unit's housing.
- **Check for Leaks:** Regularly inspect all plumbing connections for any signs of leaks. Tighten clamps or connections as needed.

4.2 Winterization (if applicable)

If the pump is installed in an unheated area subject to freezing temperatures, it must be winterized to prevent damage:

- Disconnect power to the unit.
- Drain all water from the pump and connected fixtures.
- Consider using non-toxic antifreeze in the system if complete draining is not possible.

5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your TRUPOW Macerator Pump. For problems not listed here, or if solutions do not resolve the issue, please contact customer support.

Problem	Possible Cause	Solution
Pump does not start	No power; Clogged float switch; Motor malfunction	Check power supply and GFCI. Inspect float switch for obstructions. If motor issue, contact support.
Pump runs continuously	Float switch stuck; Non-return valve failure; Leak in discharge pipe	Check float switch for obstructions. Inspect non-return valve. Check discharge pipe for leaks.
Pump is noisy or vibrates excessively	Foreign object in macerator; Loose mounting; Worn motor bearings	Disconnect power and inspect macerator for foreign objects. Ensure pump is securely mounted. Contact support for motor issues.
Water leaks from connections	Loose clamps; Damaged seals/gaskets	Tighten all hose clamps. Inspect and replace any damaged seals or gaskets.
Poor discharge or slow drainage	Partial blockage in discharge pipe; Pump impeller worn; Excessive vertical/horizontal lift	Check discharge pipe for blockages. Inspect impeller for wear. Verify installation meets specified lift limits.

6. SPECIFICATIONS

Detailed technical specifications for the TRUPOW 600W Macerator Pump.



Figure 5: Dimensions of the TRUPOW 600W Macerator Pump.

Feature	Detail
Brand	TRUPOW
Model	600W Macerator Pump
Voltage	110V-120V/60Hz
Wattage	600 watts
Material	Polypropylene (PP)
Item Weight	17.64 Pounds
Product Dimensions (L x W x H)	16" x 11" x 11"
Maximum Flow Rate	130 L/MIN (7.92 Gallons Per Minute)
Maximum Vertical Lifting Height	30 Feet

Feature	Detail
Maximum Horizontal Lifting Distance	260 Feet
Inlet Diameters	83-100mm (Toilet), 40mm (Sink), 40mm (Shower)
Outlet Diameter	32mm, 40mm
Power Source	AC
Cord Length	3.9 Feet

7. WARRANTY INFORMATION

TRUPOW products are manufactured to high-quality standards. This product is covered by a manufacturer's warranty against defects in materials and workmanship under normal use. The specific terms and duration of the warranty may vary. Please retain your proof of purchase for warranty claims. For detailed warranty information, refer to the documentation included with your purchase or contact TRUPOW customer support.

8. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue with your TRUPOW 600W Macerator Pump, please contact our customer support team. Provide your product model and purchase date when contacting support to ensure efficient service.

For general inquiries or to explore other TRUPOW products, visit the official TRUPOW store online.