

## XPOtool 4in1 400 W

# XPOtool Macerating Pump 4in1 400W User Manual

Model: 4in1 400 W | Brand: XPOtool

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your XPOtool Macerating Pump 4in1 400W. Please read these instructions carefully before use and retain them for future reference. This pump is designed for handling wastewater from toilets, sinks, bathtubs, and washing machines, offering a compact and powerful solution for sanitary installations.

## 2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury and damage to the unit:

- Ensure the power supply matches the specifications (220-240 V/50 Hz) before connecting the pump.
- Do not operate the pump if the power cord or plug is damaged.
- Never immerse the pump in water or operate it in flooded conditions.
- Disconnect the power supply before performing any installation, maintenance, or cleaning tasks.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Do not dispose of foreign objects (e.g., sanitary products, wet wipes, large food scraps) into connected appliances, as this can damage the macerator.
- Ensure proper ventilation around the unit.
- The pump is designed for domestic wastewater only. Do not use it for corrosive chemicals, flammable liquids, or industrial waste.

## 3. PRODUCT OVERVIEW

The XPOtool Macerating Pump 4in1 400W is a compact wastewater lifting station featuring an integrated

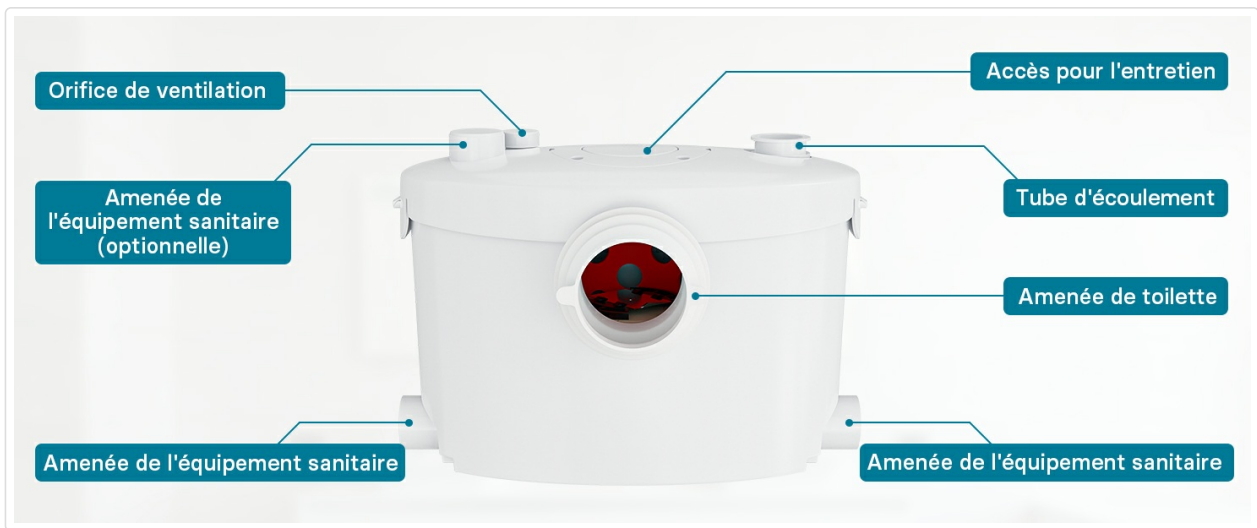
macerator. It is designed to collect and discharge wastewater from various sanitary fixtures.



Figure 1: XPOtool Macerating Pump 4in1 400W with included installation accessories.

### 3.1 Key Features

- **4 Inlets / 1 Outlet:** Equipped with four inlets for connecting a toilet, sink, bathtub, and washing machine, and one discharge outlet.
- **Powerful 400W Motor:** Provides a flow rate of 135 liters per minute (8100 l/h) and a maximum discharge height of 8.5 meters.
- **Integrated Macerator:** Efficiently reduces solid waste for smooth transport through narrow pipes.
- **Automatic Operation:** Activates automatically when the water level rises and stops after discharge.
- **High Temperature Resistance:** Can handle water temperatures up to 75°C continuously, and up to 90°C for short periods (4 hours).
- **Odor Control:** Features aeration and a carbon filter for effective odor elimination.



**Figure 2:** Diagram illustrating the main components of the macerating pump, including ventilation orifice, maintenance access, discharge tube, toilet inlet, and sanitary equipment inlets.

## 4. SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and longevity. If you are unsure, consult a qualified plumber.

### 4.1 Unpacking and Inspection

- Carefully remove all components from the packaging.
- Inspect the pump and all accessories for any signs of damage. Do not install damaged components.
- Ensure all parts listed in the installation kit are present.



**Figure 3:** Contents of the installation kit, including the pump, non-return valves, blanking plugs, connection pipes, hose clamps, feet, and screws.

### 4.2 Placement

- Place the pump on a stable, level surface near the sanitary fixtures it will serve.
- Ensure sufficient space for connections and future maintenance access.
- The compact design allows for discreet placement in damp environments.

### 4.3 Connecting Inlets

The pump has four inlets for various appliances:

- **Toilet Connection:** Connect the toilet outlet to the main inlet (typically Ø100 mm).
- **Other Appliances:** Connect sinks, bathtubs, or washing machines to the three Ø40 mm side inlets.
- Use the provided blanking plugs for any unused inlets to ensure a watertight seal.

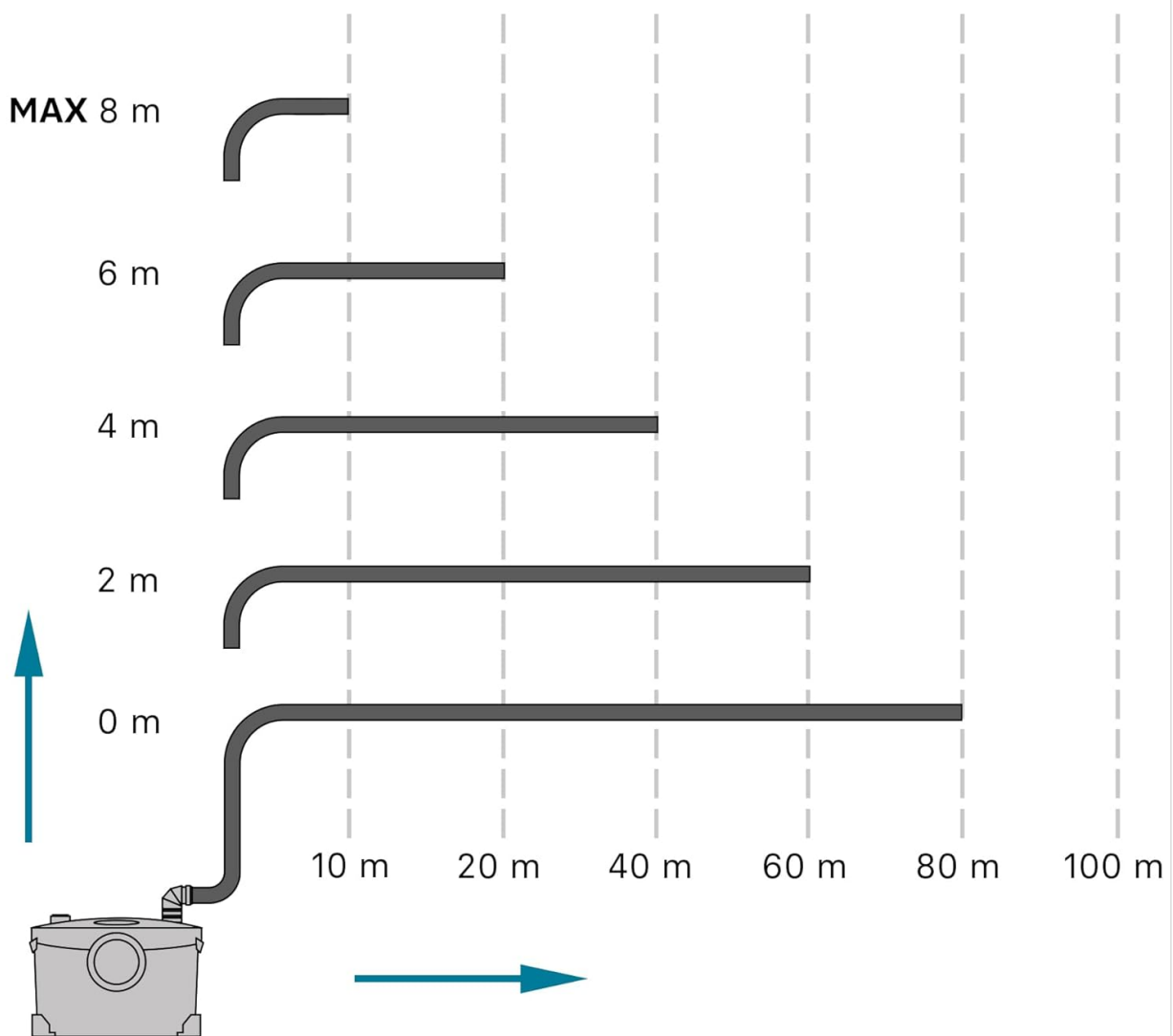


**Figure 4:** Illustration of how the macerating pump connects to a bathtub, sink, dishwasher, shower, toilet, and washing machine.

### 4.4 Connecting the Discharge Pipe

- Connect the discharge pipe (23/28/32/44 mm diameter) to the pump's outlet.
- Install the provided non-return valve(s) to prevent backflow of wastewater.
- Ensure the discharge pipe has an adequate slope to facilitate flow.
- The pump can discharge wastewater up to 8.5 meters vertically and 80 meters horizontally.

# HAUTEUR ET PORTÉE DE REFOULEMENT



**Figure 5:** Performance chart showing the maximum discharge height (up to 8 meters) and horizontal distance (up to 80 meters) for the pump.

## 4.5 Electrical Connection

- Connect the pump to a grounded electrical outlet (220-240 V/50 Hz).
- Ensure the circuit is protected by a residual current device (RCD) for safety.

## 5. OPERATING INSTRUCTIONS

The XPOtool Macerating Pump operates automatically once properly installed and connected to power.

### 5.1 Automatic Function

- The pump will activate automatically when wastewater enters the unit and reaches a predetermined level.
- The integrated macerator will grind solid waste before pumping the liquid through the discharge pipe.
- Once the wastewater is discharged and the level drops, the pump will automatically switch off.

# LAMES EN ACIER INOXYDABLE

## BROYAGE FIN DES DÉCHETS



**Figure 6:** View of the stainless steel macerator blades, designed for fine grinding of waste.

### 5.2 Temperature Limits

- The pump is designed to handle wastewater up to 75°C continuously.
- It can tolerate temperatures up to 90°C for a maximum duration of 4 hours. Exceeding these limits may damage the pump.



# GRANDE RÉSISTANCE À LA TEMPÉRATURE

TEMPÉRATURE MAX. DE L'EAU 90 °C



**Figure 7:** The pump's design allows it to withstand high water temperatures, up to 90°C for short periods.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your pump.

### 6.1 Periodic Descaling

- Depending on water hardness and usage, periodic descaling is recommended to prevent mineral buildup.
- Use a suitable descaling agent specifically designed for macerating pumps. Follow the descaling product's instructions carefully.
- Always disconnect the pump from the power supply before performing descaling or any maintenance.

### 6.2 Odor Control

- The pump is equipped with an aeration system and a carbon filter to minimize odors.
- Inspect the carbon filter periodically and replace it if odors persist or if it appears clogged.



**Figure 8:** Detail of the aeration orifice and carbon filter, which help eliminate odors.

### 6.3 Access for Maintenance

- The pump features an accessible top cover for internal inspection and maintenance.
- Ensure the unit is disconnected from power and all water sources before opening.



**Figure 9:** Close-up view of the maintenance access point on the top of the pump.

## 7. TROUBLESHOOTING

Before contacting support, review the following common issues and solutions:

Problem	Possible Cause	Solution
Pump does not start	No power supply Float switch stuck Motor fault	Check power connection and circuit breaker Inspect float switch for obstructions Contact qualified technician



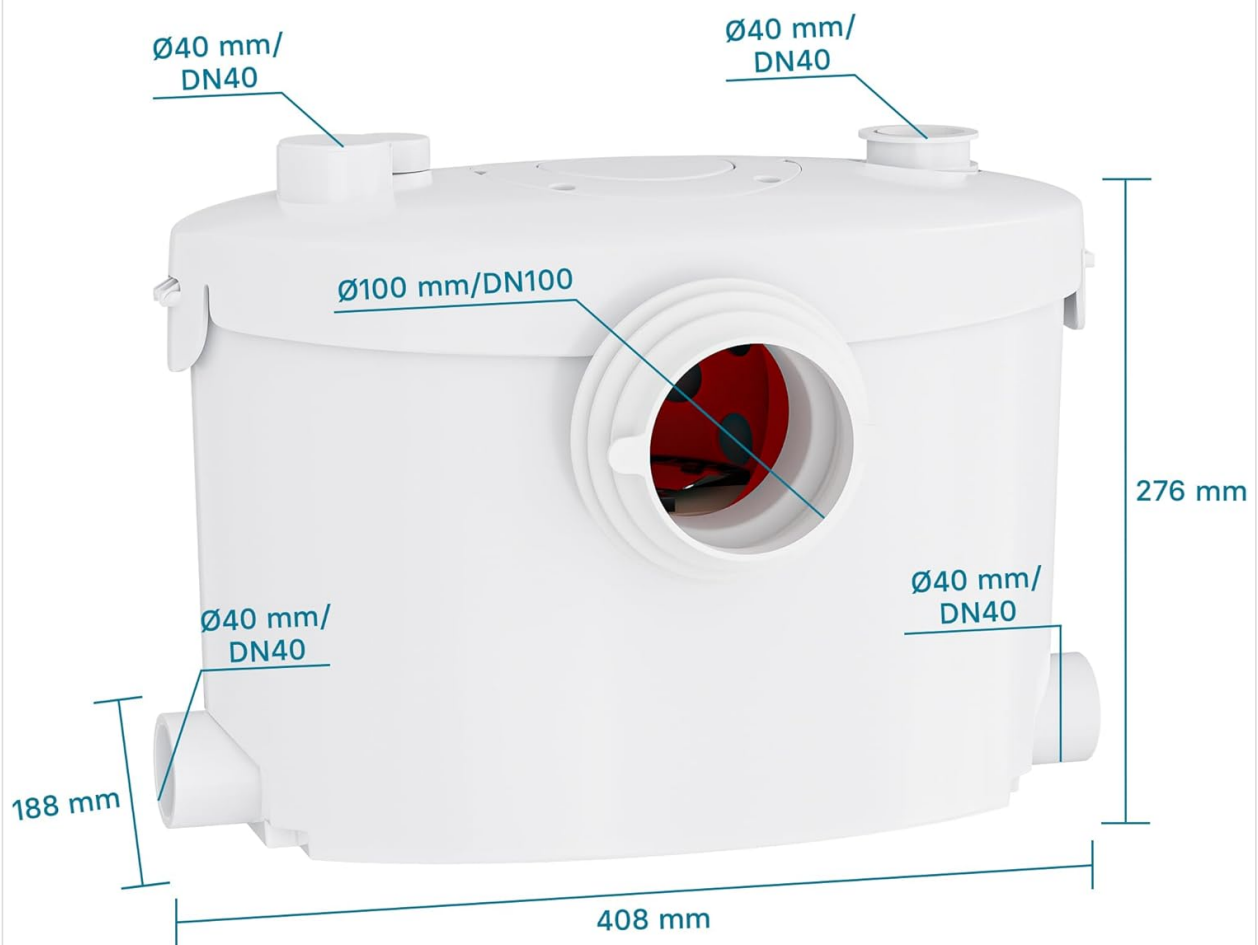
Problem	Possible Cause	Solution
Pump runs continuously	Float switch stuck Non-return valve faulty Leak in discharge pipe	Inspect float switch Check and replace non-return valve Inspect discharge pipe for leaks
Poor discharge performance	Partial blockage in macerator or pipes Excessive discharge height/distance Air lock	Disconnect power, clear blockages Verify installation meets specifications Bleed air from the system if applicable
Unusual noise or vibration	Foreign object in macerator Loose connections Motor bearing wear	Disconnect power, inspect macerator for foreign objects Tighten all connections Contact qualified technician
Odors present	Carbon filter saturated Poor ventilation Lack of descaling	Replace carbon filter Ensure adequate ventilation Perform descaling procedure

## 8. TECHNICAL SPECIFICATIONS

Below are the technical specifications for the XPOtool Macerating Pump 4in1 400W:

Feature	Specification
Model	4in1 400 W
Power Consumption	400 W
Electrical Supply	220-240 V / 50 Hz
Max Flow Rate	135 l/min (8100 l/h)
Max Water Temperature	75 °C (90 °C for 4 hours)
Max Discharge Distance	80 meters
Max Discharge Height	8 meters
Inlet Pipe Dimensions	1 x Ø100 mm (toilet) / 3 x Ø40 mm (other appliances)
Discharge Pipe Diameter	23 / 28 / 32 / 44 mm
Protection Index	IPX4
Product Dimensions (L x W x H)	40.8 x 16.2 x 28.6 cm
Weight	6.12 kg
Manufacturer Model Number	62738

## **DIMENSIONS DU PRODUIT**



**Figure 10:** Detailed dimensions of the macerating pump, including height, width, and depth, along with pipe diameters.

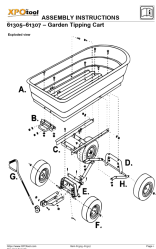
### **9. WARRANTY AND SUPPORT**

For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your retailer. In case of technical issues or questions not covered in this manual, please contact XPOtool customer support or the seller for assistance. Ensure you have your product model number (4in1 400 W) and purchase details available when contacting support.



[XPOtool Waste Water Pump 61962 Instruction Manual](#)

Comprehensive instruction manual for the XPOtool 61962 Waste Water Pump, covering safety, installation, operation, maintenance, and technical specifications. Learn how to safely and effectively use your submersible pump.



[XPOtool 61305-61307 Garden Tipping Cart Assembly Instructions](#)

Detailed assembly instructions for the XPOtool 61305-61307 Garden Tipping Cart. Includes parts list, screwing parts, and textual descriptions of diagrams for assembly.



## XPOtool 65020 Wall-Mounted Workbench Assembly Instructions

Comprehensive assembly guide for the XPOtool 65020 wall-mounted workbench, detailing component identification and step-by-step assembly procedures.



XPOtool Chainsaw Sharpening Kit 63026 Operation Manual

Official operation manual for the XPOtool Chainsaw Sharpening Kit (Model 63026). Includes safety instructions, operating procedures, and maintenance tips for effective chainsaw chain sharpening.



[Manuale di Istruzioni Ingrassatore Professionale XPTool 61910](#)

Guida completa all'uso e manutenzione dell'ingrassatore pneumatico professionale XPOtool, modello 61910. Include istruzioni di sicurezza, dati tecnici, procedure operative e risoluzione dei problemi.



[XPOtool Spazzolatrice per Tagliaerba 51701-51703 Manuale d'Uso e Guida all'Assemblaggio](#)

Manuale d'uso completo e guida all'assemblaggio per la spazzolatrice per tagliaerba XPOtool modelli 51701, 51702 e 51703. Include istruzioni di sicurezza, elenchi parti, specifiche tecniche e procedure di montaggio passo-passo.