

# MaceratingFlo R1 Upflush Toilet System Installation Guide



**MACERATING  
FLO**

Innovation For A Better Flow



At MaceratingFlo, we understand that even the best plumbing systems can face challenges.

Our goal is to make installing the MaceratingFlo upflush toilet system straightforward and simple, achievable in perhaps half a day's work.

While our systems are designed to be user-friendly, errors can still occur. That's why we provide detailed guidance and support. Drawing from industry practices and considering the latest technology and home needs, we ensure you can easily and correctly install your system.

Whether you're a beginner or experienced installer, following our step-by-step guide ensures successful installation and avoids common pitfalls.



## R1 Toilet Package List



R1 Toilet



Floor Mounting Kit



Water Tank Mounting Kit



Seat Mounting Kit



Flush Lever



Extension Pipes



Tank-To-Bowl Gasket

## Macerating Pump Package List

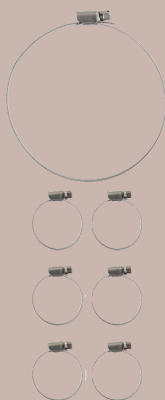


600W Pump

OR



750W Pump



Clamps



Hoses



Stoppers



Floor Mounting Kit



Elbow

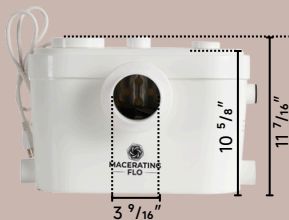
# Dimensions



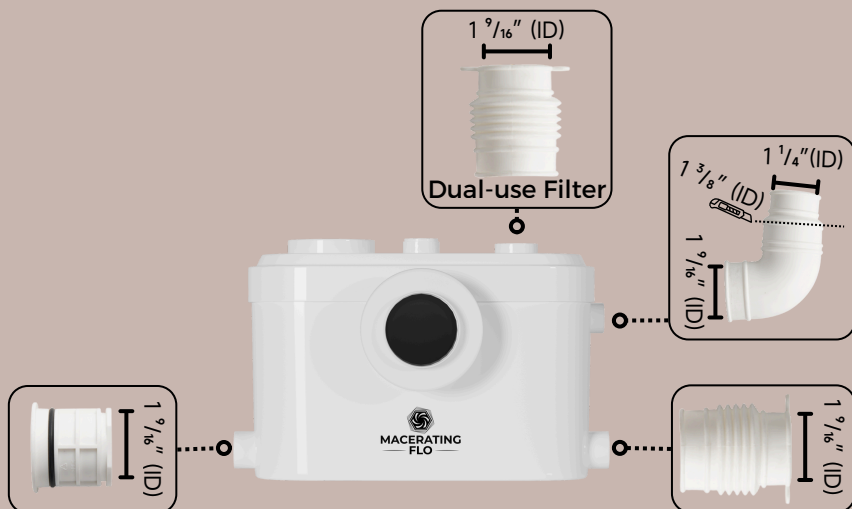
Digital Manual



If you need to purchase a smart bidet, please check the dimensions.

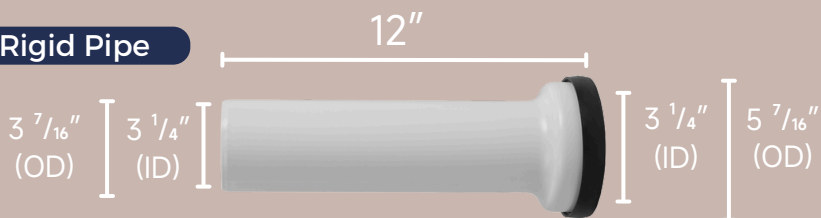


Please note that the 600W pump and 750W pump are the same size.

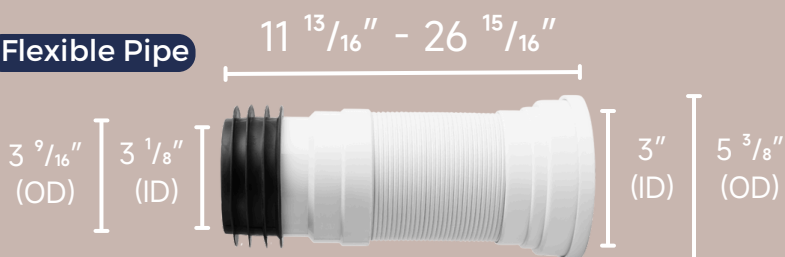


## Dimensions

### Rigid Pipe



### Flexible Pipe



Note: The right end, as shown above, is connected to the toilet.



$27 \frac{3}{8}"$

Without Extension Pipe



$38 \frac{9}{16}"$

With Extension Pipe

## Step 1

Read the installation instructions included with the MaceratingFlo unit. Identify all provided components and acquire any needed NPS 1 or 1 1/4" PVC pipes and fittings, along with PVC fasteners, cleaner, primer, and glue.



Choose the installation location within the maximum distance range: For installation distances,

- The Ultra 750W Pump supports up to 36 feet below sewer lines and 328 feet from the soil stack.
- The Pro 600W Pump allows for 30 feet below sewer lines and 262 feet from the soil stack.

If you plan to connect additional fixtures to the MaceratingFlo unit, they must be on the same structural level.

## Step 2



**Pro 600W**



**Ultra 750W**

### Step 3

Cut into the soil stack material and install a Y-connector for the macerator discharge pipe.



### Step 4

When installing with a concealed macerating pump, ensure about 12" of space behind the pump frame. When installing near an exterior wall, leave a few inches behind the macerator for insulation.



### Step 5

Establish or access a fresh water supply in the installation area, with a shut-off valve and water line prepared in advance, using cold water for toilet installation.



### Step 6

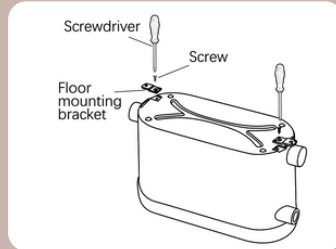
A nearby 15-amp circuit is needed to operate the macerating pump. Due to proximity to water, the circuit should be protected with a Ground Fault Circuit Interrupter (GFCI) in actual installations.

## Step 7

Now prepare to install the macerator unit, starting with attaching elbows and hoses to the corresponding pump outlets and inlets, securing them with clamps.



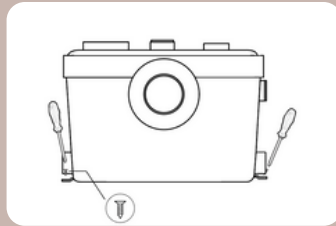
- a. Place the pump in position.
- same level as the toilet
  - 0.4" from the wall



Secure the pump by #8 Phillips pan head self-taping screws (not provided).



- b. Install the discharge elbow.



Plastic anchors (not provided) would be needed for concrete floor.



Secure the elbow with a clamp. Ensure it's properly positioned: press down and tighten with a flathead screwdriver.



Note: the pump's sewage outlet has an integrated check valve, eliminating the need for an additional check valve in the elbow.



- c. In the same way, insert the hose into the pump's water inlet and continue to secure it with a clamp.



- d. For any unused water inlets, insert stopper plugs and twist to tighten.

## Step 8

Connect the pump to PVC pipe, ensuring it's primed and glued. Arrange PVC pipes as required, using two 45° elbows for right-angle turns for smoother flow. Insulate pipes in areas where freezing is a concern.



- a. Insert a 1" sewage PVC pipe to the elbow and secure it with a clamp. Alternatively, cut off the elbow's marked section and connect a 1 1/4" pipe.



We recommend installing a stop and waste valve in the drain pipe during setup for easier maintenance of the toilet or pump later on.



- b. To connect to a sink or shower waste, use the pump's left and right inlets. Ensure the hot water temperature for bathtubs and faucets is 131°F or lower.

Use a 1 1/4" pipe for connection, preferably with at least a 10° slope for gravity flow into the pump.



- c. The top right corner of the pump has a dual-use filter with activated carbon.



You can also connect it to your exhaust system. Insert a hose, secure with a clamp, then connect to a 1 1/4" vent pipe.

## Step 9

After securing the PVC pipes, connect the toilet bowl to the pump.

- a. Mark the locations of the mounting holes. Drill holes at the marked points.



**Rigid Pipe**



**Flexible Pipe**

**Note:** An extension pipe is optional. If needed, attach it when marking the bowl location. The installation process is the same with or without it.

- b. Secure the toilet bowl to the pump with a large clamp. Insert the floor mounting components in order.



**Note:** If concealing the pump, remember to install a removable panel in the wall for macerator access.

## Step 10

Connect Water Tank & Toilet Bowl. You may scan the QR code to watch the video guide for assistance.



a. Tighten the tank-to-bowl bolt set in order.



b. Place the rubber gasket on the bottom of the tank, align each opening, and set the tank on top.



c. Tighten the bottom nuts, then firmly secure the screws to prevent leaks, using a screwdriver as needed for assistance.



## Flush Volume Adjustment Guide

### Step 11

Attach the lever.



### Step 12

Connect the supply water line and plug in the pump, beginning to test if the toilet and pump operate smoothly.



### Step 13



After successful testing, install the toilet seat. Scan the QR code to watch how to correctly install.



**a. Place the bracket and expansion bolts onto the seat.**



**b. Pull the bracket directly in the direction of the toilet bowl.**



c. Tighten the screws.



d. Insert the toilet seat until you hear a “click”.

## CONGRATULATIONS!

Your MaceratingFlo toilet is now correctly installed.



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For any queries or concerns, feel free to reach out to us at



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