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› SANIFLO Saniplus Macerator Pump User Manual

SANIFLO Saniplus (Model 002)

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Model: Saniplus (002)

1. PRODUCT OVERVIEW

The SANIFLO Saniplus is a 1/2 HP macerator pump system designed for installing a complete bathroom in locations where gravity drainage is not feasible. It can pump wastewater up to 15 feet below the sewer line or up to 150 feet away from a soil stack. This system is intended for residential use only.

In addition to handling waste from a compatible rear-outlet toilet, the Saniplus can also discharge gray water from other fixtures such as a sink, bath/shower, or urinal. Wastewater from these fixtures drains into the system through inlets located on either side of the housing.



Image: The SANIFLO Saniplus Macerator Pump unit, a compact white device with various inlets and outlets.

2. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your Saniplus system. This pump is designed to be connected exclusively to Saniflo's 1.28 GPF/4.8 LPF rear discharge toilets, which are available in both round and elongated models.

2.1 Placement Options

The Saniplus unit offers flexible installation options, allowing it to be placed either directly behind the toilet or concealed behind a wall for a more integrated appearance.



Image: Two installation examples showing the Saniplus unit placed directly behind a toilet and concealed behind a wall.

2.2 Connections

The Saniplus unit features specific connection points for various plumbing components:

- **Toilet Connection:** The unit must be connected to a compatible Saniflo 1.28 GPF/4.8 LPF rear discharge toilet.
- **Wastewater Inlets:** Two 2-inch inlets with built-in check valves are located on either side of the housing for connecting a sink, shower, or bathtub.
- **Vent Connection:** A 1-1/2 inch vent connection is located on top of the lid. All plumbing codes require connection to a vent system.
- **Discharge:** Waste is discharged through a 3/4 inch or 1 inch rigid pipe. A non-return valve is included on the discharge elbow assembly.

SPECIFICATIONS

- 1** Discharges waste through a 3/4" or 1" rigid pipe. Non-return valve included on the discharge elbow assembly.
- 2** Designed with a 1-1/2" vent connection on top of the lid. All plumbing codes require connection to a vent system.
- 3** Must be connected to Saniflo's 1.28GPF/4.8LPF rear discharge toilet. *Available in round or elongated models.
- 4** Wastewater will drain via 2" inlets with built-in check valves on either side of housing.



Image: A detailed diagram highlighting the numbered connection points and specifications of the Saniplus unit. For comprehensive installation instructions, please refer to the official [Installation Manual \(PDF\)](#).

3. OPERATING INSTRUCTIONS

The Saniplus operates by macerating (grinding) human waste and toilet paper into a fine slurry before pumping it away to the sanitary line. This process is facilitated by a rotating stainless-steel blade located inside the pump.

3.1 Macerating Function

When the toilet is flushed or wastewater enters the unit from connected fixtures, the macerator activates. The stainless-steel blades efficiently break down solids, allowing the pump to quietly discharge the liquid waste through a small-diameter pipe to the main drainage system.

Saniplus®



WHAT IS A MACERATING BLADE?

- Inside the Saniflo pump is a **rotating stainless-steel blade**
- Macerators are designed to rotate and **break down human waste & toilet paper** that enter the pump & quietly pump it away to a sanitary line in your building
- Ideal for **residential applications**



SFA USA
Saniflo

Image: An illustration showing the rotating stainless-steel macerating blade inside the Saniplus pump, responsible for breaking down waste.

3.2 Compatible Fixtures and Applications

The Saniplus system is designed for residential applications and can manage wastewater from the following fixtures:

- Toilet (Saniflo 1.28 GPF/4.8 LPF rear discharge models only)
- Sink
- Bathtub
- Shower
- Urinal

CONNECTIONS

TOILET



SINK



BATHTUB



SHOWER



APPLICATIONS

RESIDENTIAL



Image: Icons representing the various connections (toilet, sink, bathtub, shower) and the primary application (residential) for the Saniplus system.

4. MAINTENANCE

Regular maintenance helps ensure the efficient and long-lasting operation of your SANIFLO Saniplus unit. While the system is designed for reliability, periodic checks are recommended.

- **Cleaning:** Periodically clean the exterior of the unit with a mild, non-abrasive cleaner. Avoid harsh chemicals that could damage the plastic housing.
- **Inspection:** Routinely inspect all visible connections for leaks or signs of wear. Ensure the vent system is clear and unobstructed.
- **Avoid Foreign Objects:** To prevent blockages and damage to the macerating blades, do not flush or dispose of anything other than human waste and toilet paper into the connected toilet. Avoid pouring grease, harsh chemicals, or fibrous materials into any connected fixtures.

For detailed maintenance procedures, consult the official installation and maintenance guide.

5. TROUBLESHOOTING

If your SANIFLO Saniplus unit experiences issues, consider the following common troubleshooting steps:

- **Unit Not Activating:** Check the power supply to the unit. Ensure it is properly plugged in and that the circuit breaker has not tripped.
- **Unusual Noise or Vibration:** This could indicate a blockage. Disconnect power to the unit immediately and inspect for any foreign objects that may have entered the system.
- **Slow Drainage or No Discharge:** Verify that the discharge pipe is not kinked or obstructed. Check for blockages in the macerator chamber.
- **Leaks:** Inspect all plumbing connections for tightness. If leaks persist, professional assistance may be required.

For complex issues or internal component failures, it is recommended to contact SANIFLO customer support or a qualified technician. Attempting to repair internal components without proper training may void your warranty and cause further damage.

6. SPECIFICATIONS

Feature	Specification
Model	Saniplus (002)
Horsepower	1/2 HP
Electrical	110 Volts AC/DC
Noise Level	≤ 53 dBA (Lp) (measured at 3 ft.)
Discharge Rate (at 15 ft.)	17 GPM
Shut-off Head	30 ft.
Connections	Rear outlet toilet, sink, shower/bathtub
Discharge Pipe	3/4" or 1" rigid pipe
Vent Connection	1-1/2"
Certifications	CSA (IPC, NSPC), IAPMO (UPC)
Material	Plastic
Color	White
Item Weight	16.5 Pounds
Product Dimensions	9.25 x 13.25 x 22 inches

DIMENSIONS

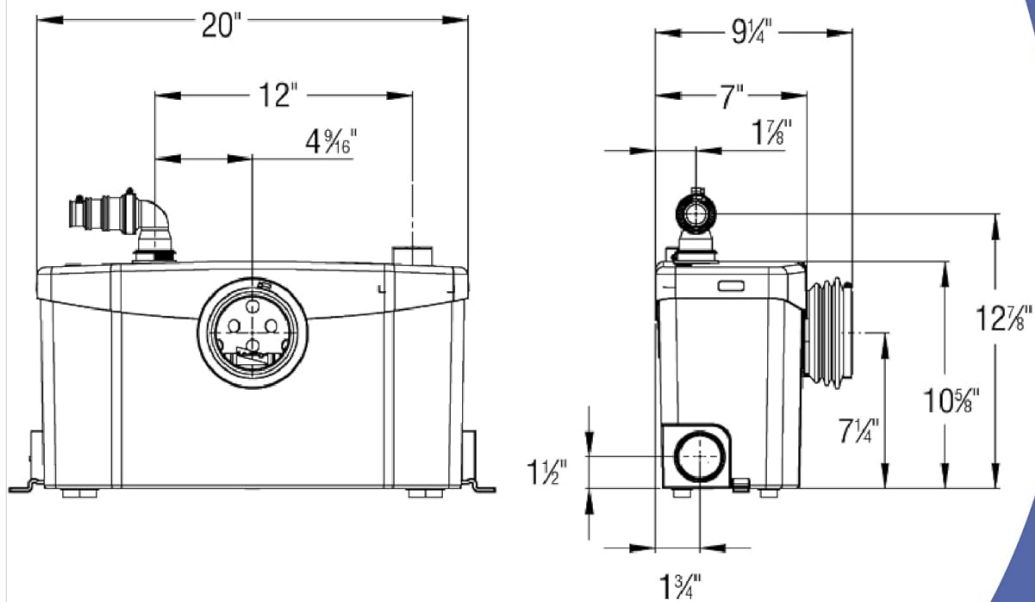


Image: A technical drawing illustrating the precise dimensions of the Saniflo macerator pump.

7. WARRANTY INFORMATION

All SANIFLO products, including the Saniflo macerator pump, come with a standard 2-year warranty upon purchase. An additional 2 years can be added to this warranty by registering your product, extending the total warranty period to 4 years. This warranty program provides peace of mind regarding potential issues.

8. SUPPORT AND RESOURCES

For further assistance, detailed installation guides, or technical support, please refer to the following resources:

- **Official Installation Manual:** A comprehensive PDF document with step-by-step installation instructions and diagrams. [Download PDF Manual](#)
- **SANIFLO Customer Service:** Contact SANIFLO directly for technical inquiries, warranty claims, or service requests. Visit the [SANIFLO Store on Amazon](#) for more information and contact options.

