



BATHROOMS UNLIMITED SERVICES Ltd.

**SPECIALIZING IN COMPLETE
KITCHEN & BATHROOM REMODELING**

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Washupito's Tiendita

SANIPLUS

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The Saniplus is a system that is used to install a complete bathroom up to 15 feet below the sewer line, or even up to 150 feet away from a soil stack. The macerating system of the Saniplus can handle up to four fixtures, toilet, hand basin, shower and bathtub. The Saniplus toilet uses only 6 litres (1.6 USG) of water per flush.

The Saniplus is simplicity itself to install; there are just five connections.

The macerating pump is connected to the spigot of a horizontal outlet toilet.

The toilet tank is connected to the water supply.

The macerating pump is connected to the small diameter discharge pipe work (3/4" or 1") of either PVC/CPVC or copper.

The macerating pump needs to be connected to an existing vent system in the building.

The macerating pump is connected to the electrical supply.

The Saniplus macerating system is comprised of a pressure chamber, which starts and stops the unit, and the motor, which drives the stainless steel macerator blades and pump. To learn more about the macerating process please refer to [What is a macerator?](#) A normal operating cycle for Saniplus takes about 10-20 seconds depending upon the discharge pipe run configuration; power consumption is therefore minimal. In addition to the toilet waste, Saniplus will also discharge gray wastewater from a variety of other sanitary fixtures, such as: a hand basin, a bath, a bidet and a urinal. When adding a bathtub or shower, a base will have to be constructed made out of 2" x 6" on edge (or 2" x 8" is recommended, if you have sufficient

headroom). This allows for the installation of a P-trap and some gravity flow towards the pump unit.

Wastewater from other fixtures is discharged into Saniplus via two 2-inch inlets, on either side of the housing. Either one or both inlets can be used as required. The discharge elbow on top of the Saniplus can be turned either to the left or to the right, depending on the discharge installation.

The Saniplus automatically adjusts the input rate from other sanitary fixtures, always giving priority to the discharge water of the toilet. Inlet valves operated by a simple float mechanism achieve this. For example, if the bath is being emptied and the toilet is flushed simultaneously, the inrush of water from the toilet into the container slows down or stops the discharge from other fixtures for a few seconds, until the waste from the toilet has been dealt with. As the toilet water is discharged and the level in the container goes down the float valves open and the discharge from the other fixtures resumes.

The Saniplus is designed to provide vertical pumping up to 15 feet as well as a horizontal discharge, therefore a simple ball non-return valve is incorporated. This allows you to install a complete bathroom where previously this would have been impossible or where considerable capital equipment and structural work would have been necessary.



Motor RPM	3600
Horsepower	0.5
Electrical Supply	110-115V; 60Hz;
Flow rate at max head USG/MIN	15 ft:17 usg/min;3 ft:27usg
Amperage (Consumption)"	4.5 AMP
Discharge Pipe Diameter	3/4" diameter
Vertical Discharge	15 ft
Horizontal Discharge	150 ft
Gravity fall on horizontal installations	1/4" per ft
Normal Running Time WC	10-15 seconds
Maximum Temperature	104°F
Water Consumption	1.6 US gal
Dimensions (measured from floor level)	H10½" x W20" x D6¾"



The extension pipe

Installing the macerator unit behind a wall is made easy by using a proprietary extension pipe. This Extension Pipe is used with Saniplus and Sanibest products. The extension pipe is 18 inches in length and one side is pushed onto the spigot of the toilet and the other side, slips inside the macerator connection. When using the extension pipe, the toilet bowl should be raised 3/8 inch for additional gravity flow toward the macerator box.

[Vendor Information](#)