



Sanismart

Fully Automatic Sewage and Waste Water Pump Package



Auckland
09 622 9100

Christchurch
03 365 6453

Wellington
04 567 8125

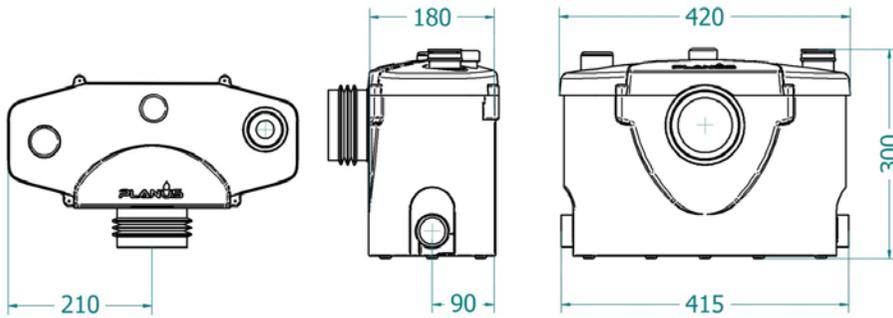


A division of Consolidated Alloys (NZ) Limited

www.wallacepumps.co.nz

Connectable Fixtures and Appliances

Measures in millimeters



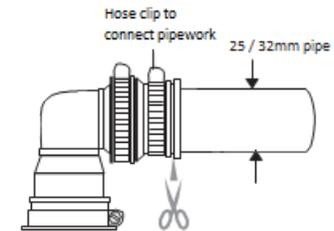
	TOILET	WASH BASIN	SHOWER	BIDET	BATH TUBE	DISHWASHER	WASHING MACHINE	MAXIMUM DISCHARGE IN METERS	
								DISTANCE	HEIGHT
	✓	✓	✓	✓	✓	✓	✓	100	8

WARRANTY

The Sanismart Macerator comes with a 2 Year Back-To-Base warranty on both parts and labour

Fittings Supplied

Outlet Connection



Inlet Connections



Blanking Plug (Inlets not used)



Valves Supplied

Isolating Valve



Isolating Valve to be installed above Swing Check Valve

Swing Check Non Return Valve



Swing Check Valve to be installed on the discharge line approx 1 metre from the unit preferably on the vertical

1. WARNINGS AND PRECAUTIONS CONCERNING INSTALLATION

- The appliance must be installed only by qualified personnel and it can be used only after installation made in accordance with following installation instructions.
 - The appliance must be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30mA.
 - It is advised to predispose a power socket for the appliance exclusive use.
 - If the supply cord is damaged, it must be replaced by the manufacturer or similarly qualified person.
 - During installation and before attempting any work on the unit, the electrical power supply must be disconnected.
- * **If external venting is required the carbon vent outlet can be utilized for this pipe work ***

2. OPERATING PRINCIPLE

Sanismart is a plastic tank containing a pump able to macerate and automatically discharge wastewater coming from a toilet or from any other appliance (bidet, shower, basin, dishwasher machine, lavatory machine, bath tub, etc.) through a little pipe (diameter 25/32mm) up to the nearest sewer. The pump is activated automatically by a pressure switch that is controlling the water level inside the unit.

Sanismart can be connected to any type of WC with a wall discharge to European standards, and the WC will be operated like a conventional toilet without needing any type of maintenance.

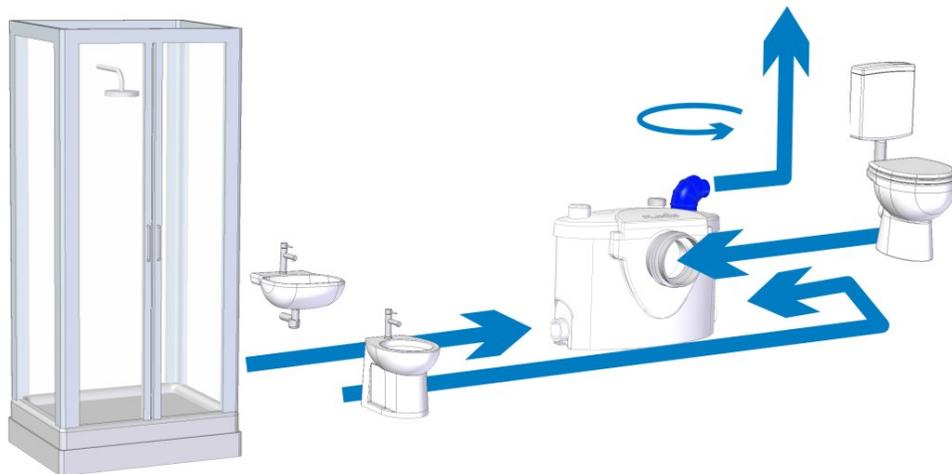


Fig 1

Fig. 4

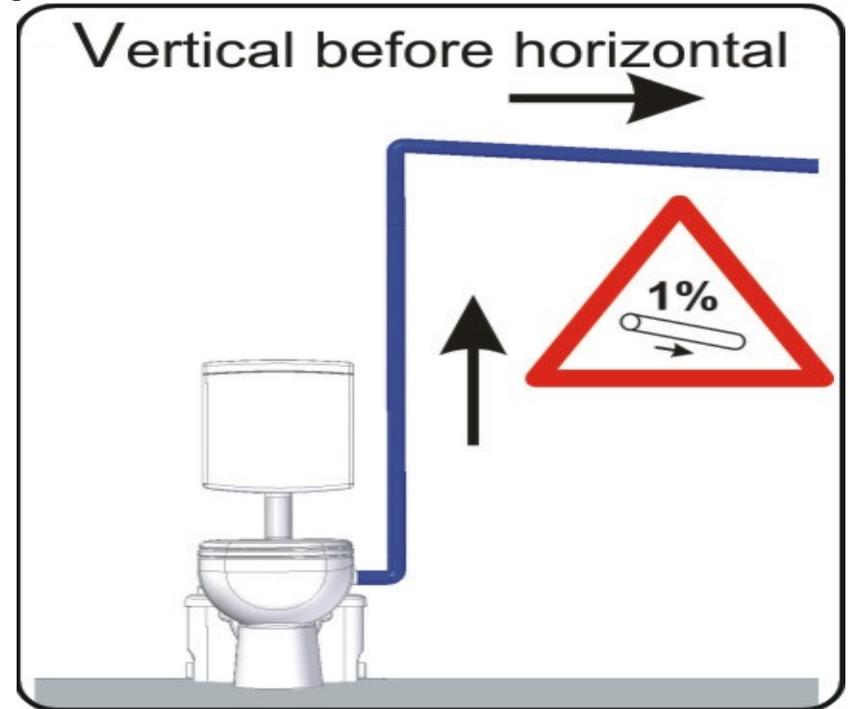
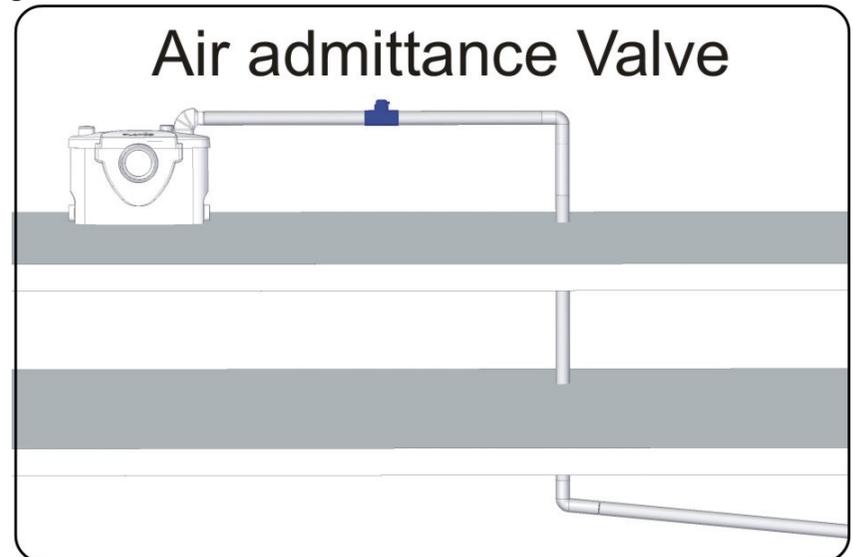


Fig. 5



ILLUSTRATIONS

Fig. 2

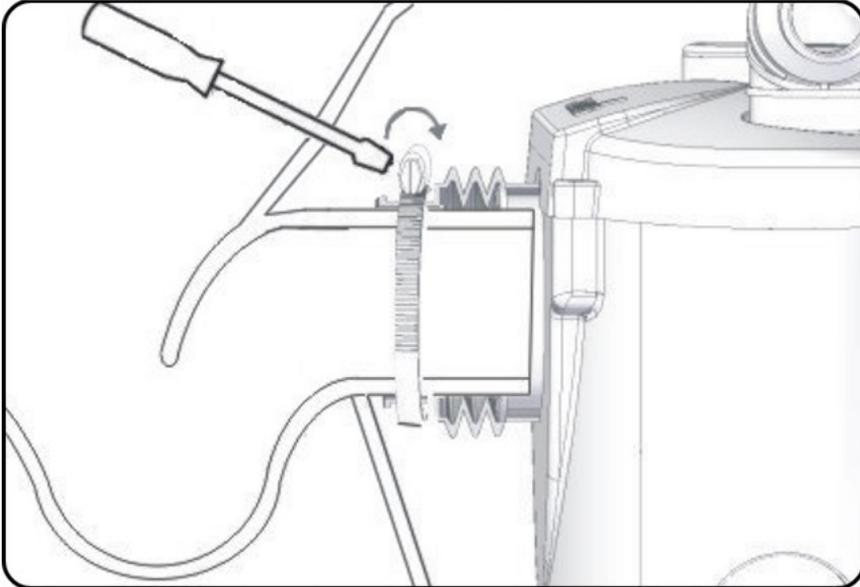
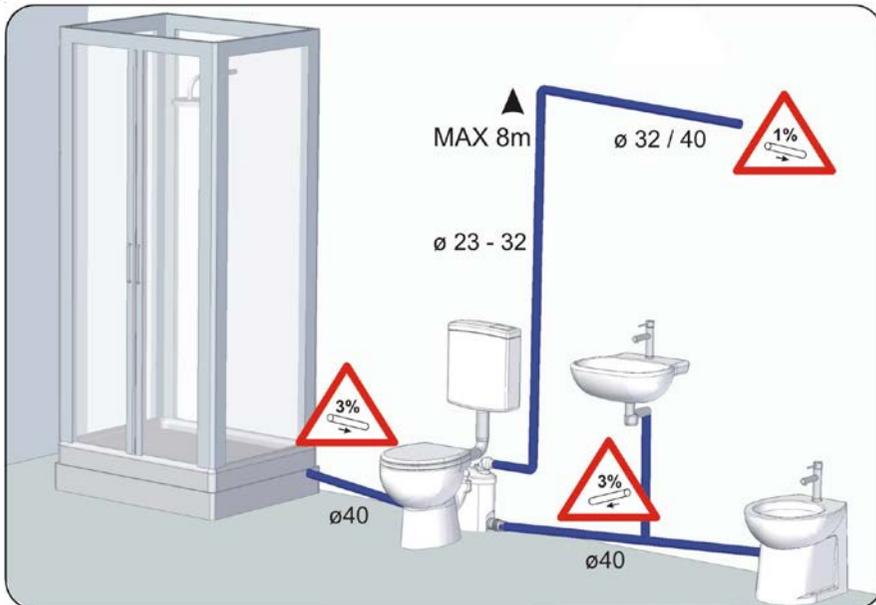


Fig. 3



3. TECHNICAL DATA

Input Voltage	AC 220-240V, 50Hz
Input Power	400W
Degree of protection	IPX4
Max. Input flow	14.5 l/min
Horizontal discharge	100m
Discharge head	8m
Discharge hose	25/32mm

4. PLUMBING INSTALLATION

4a Toilet connection (Fig. 2)

- Put liquid soap on the toilet spigot in order to lubricate and to facilitate connection.
- Insert the toilet spigot into the rubber coupling on the tank and fix it with the supplied hose clamp using a screwdriver.
- Check that the collar is correctly fixed in both pan spigot and unit; it must be well over the pan spigot and over the edge of the flexible sleeve.

4b Connection of extra sanitary appliances (Fig. 1)

The lateral connections can be used to install all others sanitary appliances. If these connections are not needed, as there are not extra devices to install, you must close them using the supplied caps.

Follow same instructions of connecting a toilet, leaving a 3% minimum fall in reaching the unit (Fig. 3). In case there is not a toilet to be installed, fix the supplied cap on the rubber coupling on the tank.

WARNING!!! (Fig. 3): when installing a shower, ensure that the underside of the shower tray is at least 12cm above floor level (recommended fall 3%).

4c Connection of discharge pipework

Connect the discharge 90° elbow, supplied together all others accessories for installation, into the rubber discharge pipe positioned on the top of the unit, turn it to the desired direction (Fig. 1) and secure it with the metal hose clamp provided (36-50mm). Then connect the discharge 90° elbow to the discharge pipe and fix it with the supplied 20-32mm metal hose clamp. A 22-32mm plastic reducer is supplied if 32mm discharge pipework has to be installed.

Attention: technical advices for discharge pipework

- The discharge pipe must not be kinked.
- A vertical lift must be made before the horizontal run at the start of the piperun (Fig. 4).
- Horizontal pipe runs must have a minimum fall of 1:100 (10mm per meter) up to the soil stack (1% gradient).
- It is recommend predisposing a drain-off point to allow the discharge pipework to be drained down before any service work.
- If the discharge pipework runs to a level considerably lower than the unit, the resultant syphoning effect can suck out the water seal in the unit and in the appliances connected to it, causing a bad odour emission. In this case of installation to solve the problem it's recommended to install an air admittance valve at the highest point of the pipe run (Fig. 5).
- If the discharge pipe has external stretches, the pipe must be adequately lagged to avoid the possibility of freezing.
- Any elbow in the routing of the discharge pipe will create friction loss (roughly 50 cm per elbow to be deducted from the vertical pumping specification).
- To avoid friction losses always use smooth bends (OR 2 X 45 degrees bends together) and not 90 degree elbows.

5. ELECTRICAL INSTALLATION

The electrical installation should be carried by a qualifies person

The unit should be connected to a fully earthed electrical supply



6. COMMISSIONING THE UNIT

The unit can be tested only after the complete installation (plumbing and electrical installations).

When flushing the toilet the motor of the unit should run from 5 to 10 seconds to clear the waste (the motor discharge time is variable as its performances depend by the routing of the discharge pipe).

If it runs for more than 20 seconds, disconnect the electrical plug and wait about 10 seconds before to reconnect. If also after the reconnection the unit is continuing to run for more than 20 seconds, you have to disconnect the electrical plug and to check that the discharge pipe is clear and not kinked. Flush all others appliances connected to the unit checking that all seals, and connections are watertight.

7. USAGE PRECAUTIONS AND WARNINGS

- This appliance is for domestic use only.
- The appliance can discharge exclusively organic residuals and toilet paper coming from a toilet and wastewater coming from all domestic appliances. Do not throw foreign bodies inside the toilet or in the others appliances connected to the unit, they will damage the product (like for example: cotton, sanitary towels, condoms, wet wipes, plastic or wood or metal parts, food or others residuals, etc.).
- Children and all persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, cannot use the product unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Do not use the devices connected to the appliance if the electricity supply is not available.
- The appliances connected to the unit should not have leakage of water (toilet cistern or any other sanitary appliance who doesn't close perfectly) as in this case the motor will activate repeatedly and uselessly to discharge water. Moreover in case of lack of electricity the water will overflow from the toilet or from the appliance connected to the unit and positioned at the lowest level.
- If away for a long period (holidays or others occasions) it is recommended to turn off the main water supply.
- Solvents and other chemicals products can damage the device.
- In case of heavy duty work, the motor thermal protector will automatically stop the unit if the motor is overheating. In this case unplug the plug from the socket-outlet, then plug it again after 30-60minutes and the appliance will restart working normally.

8. MAINTENANCE

DISCONNECT THE ELECTRICAL POWER SUPPLY, BEFORE ATTEMPTING ANY WORK ON THE UNIT.

The device does not need any particular maintenance.

This unit is fitted with an active carbon filter and does not require an external venting. This filter has to be changed every year.