

## Questions and Answers

1. **Q: Is your product fit for purpose and approved?**  
**A:** Being world leader in this category, **Yes**. All SaniRange models have been tested by independent European, British, Canadian, USA and Australian test laboratories. Recent re-testing in Australia confirmed all products marketed meet Australia's national requirements. This means that all local authorities permit the installation of a Saniflo pump as an additional facility to the principal gravity discharge WC.
2. **Q: Are the units available in different colours?**  
**A:** The SaniRange is produced in white only.
3. **Q: How long does the unit last?**  
**A:** All SaniRange products carry a full 2 year warranty backed by servicing, spares and technical back up. Generally, we would expect a lifespan of at least 10 years. Accelerated aging tests (50,000 flushes, or 10 flushes a day for 13 years) were discontinued as no faults were found
4. **Q: How often does your unit need servicing?**  
**A:** Installed and used correctly, the unit is very reliable and needs no servicing. We suggest cleaning as per Q11.
5. **Q: What kind of items could block the unit?**  
**A:** The units are designed to work effectively on WC waste and water. (not SaniShower or SaniVite, which are for grey water only)  
Cotton, cloth, string (e.g. sanitary towels, tampons, cotton wool buds, nappy liners etc) as well as objects made of wood, plastic, rubber (eg condoms) polythene sheet etc may block or jam the Saniflo unit. The now popular moist wipes also tend to cause blockages.
6. **Q: What after-sales service support do you offer?**  
**A:** Our service engineer can be called on for advice and assistance.  
Service Engineers 0400 592 642  
In addition, our Technical Department can help you with advice  
Tel: +61 3 9561 2750
7. **Q: What is the fuse amperage etc?**  
**A:** A 6 amp fuse should be fitted into the electrical connector.
8. **Q: Will the units work with a dual-flush cistern? (not Sanishower or SaniVite)**  
**A:** The units will work with a dual flush cistern, but we recommend that you set the cistern to work on full flush only, so as to obtain maximum cleansing effect.
9. **Q: Can the units be fitted to a syphonic pan? (not Sanishower or SaniVite)**  
**A:** SaniRange units usually do not function correctly when fitted to syphonic pans.

10. **Q: What happens if the unit does not sit behind a WC without pushing the cistern away from the wall?**  
**A:** SaniTop units need 19cm (SaniPro needs 21cm) between the pan spigot and the wall. The SaniPlus needs 20cm. Where the cistern is narrower than this, it may be necessary to batten the cistern off the wall. Alternatively, you can install our SaniPack as a concealed unit.
11. **Q: What can I use to disinfect/clean the unit?**  
**A:** The units will accept most standard domestic disinfectants such as Domestos. Avoid foaming varieties which may be agitated by the pump action. Do not use strong acids, descalants or solvents (such as white spirit). We recommend a solution of Domestos or similar, poured into connected after the power is turned off. Switch supply back on after two hours and flush several times.
12. **Q: Is the range noisy in operation?**  
**A:** No. In fact the sound of the motor may often be drowned out by the noise of the cistern refilling.. However, to ensure you do not create a noise factor on installation, please note the following:  
 1) The unit should not stand on bare floorboards, which can act as a soundboard, causing resonance. It is advisable to insulate with carpeting, underlay, rubber matting, foam or other suitable vibration absorbing material.  
 2) Ensure the Saniflo is not jammed against either the WC pan or the wall, thus causing resonance.  
 3) Ensure pipe work is correctly clipped to the wall/floor joists, as vibration and noise may otherwise occur in the pipe work itself.
13. **Q: Is a SaniRange pump recommended for use with a sink/kitchen waste disposal unit, a washing machine or a dishwasher?**  
**A:** Do not fit a kitchen sink, a washing machine, dishwasher or other pumped appliance into SaniTop/Plus/Pro/Pack/Shower.  
**For this application use SaniVite.** However, we do not recommend that a sink fitted with a waste disposal unit be connected to a SaniVite. The ground up food waste is likely to collect in the reservoir and is a potential cause of blockage.  
 Washing machines should discharge to a trough, and dishwashers should connect to a dishwasher connection on the sink trap, such that both drain into the SaniVite by gravity - NOT direct and under pressure.
- SaniBEST is ideal for kitchens in domestic or commercial applications, and is rated for continuous use for temperatures up to 90 degrees Celsius.**  
**SaniCOM is specifically designed for commercial kitchens and laundries, being capable of handling waste temperatures up to 90 deg Celsius (eg glass washers), hence it is ideal for pubs, clubs, bars and restaurants. SaniCOM can pump to an 8 metre head, or 80 metre horizontal line ( or lesser combination of both)**

# **SaniPlus**

## **IMPORTANT: PLEASE READ INSTRUCTION BOOKLET AND WARRANTY PRIOR TO INSTALLATION**

The SaniPlus is a domestic pumping system designed to be used in conjunction with a WC, bath, shower, vanity, and bidet. The SaniPlus is not designed to be used with kitchen sink which include a food waste disposer. Commercial or Industrial washing machines or dishwashers / glass washers . The SaniPlus should not be used to dispose of acids, solvents (such as turpentine), corrosive chemicals and / or commercial cleaning fluids etc. The SaniPlus will not handle personal sanitary ware items.

### **INSTALLATION INSTRUCTIONS TO BE READ IN CONJUNCTION WITH DIAGRAM BOOKLET.**

#### **A) CONNECTIONS INTO THE SANIPLUS (To be performed by a Licensed Plumbing Contractor. all connections to AS 3500.2 -10.10 requirements).**

1. Waste water from WC (P-Trap) must flush directly into the SaniPlus via rubber pan connector at the front of the pump. Position of the SaniPlus must be within 300mm from the end of the P-Trap spigot and pump must not be lowered to accommodate waste water from showers.
2. Waste water from shower, vanity basins, baths, laundry troughs and dishwashers (via trap) must drain freely into the SaniPlus on grade of 1:40.
3. Two flexible rubber couplings are provided for the three possible waste water inlets. These should be attached to the unit using the plastic clips provided.
4. One screwed blanking plug is provided if either of the two bottom end inlets are not required. (Use the bottom two inlets in preference to the top one).

#### **B) DISCHARGE FROM THE SANIPLUS (To be performed by a Licensed Plumbing Contractor. all connections to AS 3500.2 - 10.10 requirements).**

5. The discharge outlet from the SaniPlus is on top of the unit. As a visual check, ensure that the bottom flange of the protruding white rubber pipe is visible and located immediately on top of the lid. The supplied white plastic domed discharge elbow with barbed outlet includes a non return valve inserted inside it. This must be fitted into the white rubber tube exiting the lid. You can then rotate the elbow in the direction of discharge required. Use the supplied metal jubilee clip and place this over the rubber tube – between the 2 flanges - then tighten it such that it compresses against the discharge elbow.
6. We have supplied a flexible white rubber pipe to enable you to create a slow long radius bend from the unit into a wall cavity. If using larger pipe options, you will need reducers.
7. The discharge pipe size must be either 20mm or 25mm class 12 PVC or 25mm Type 'B' copper. All bends should be sweep or open radius bends in preference to 90 deg elbows. ( eg Use 2 x 45 degree bends together if using PVC or use slow pulled bends in copper.
8. All vertical lifts must precede horizontal runs. We prefer an initial short horizontal run created by the white plastic hose, which will enable you to commence your discharge with a long swept radius. You may cut this hose to suit. Should you need a slightly longer run, this can be affected by adding a short piece of pipe and 2 x 45 degree elbows to affect a long swept radius to the vertical line. The initial horizontal run should be less than 500mm. Attach the hose to the barbed part of your discharge elbow and secure with the clip provided.
9. Once you have commenced your vertical lift, do not expect the SaniPlus to pump horizontally and then return to a vertical lift (this is not a recommended pipe run, as solids then accumulate over time and can eventually block the pipe such that maintenance must be carried out).
10. The Installer should supply and fit a ball or gate valve within the first 300mm of discharge run following the discharge elbow. (This enables the water to be shut off in rising main in cases where maintenance and service may be required).
11. The 5 metre maximum rising main is calculated from the base of the floor on which the SaniPlus sits.

12. If you wish your horizontal run (after your vertical run) to remain a pumped line, your fall to sewer must have a minimum of 1 :200 fall utilising 25mm pipe. If however you increase your pipe size (making it a drainage line) you must incorporate a minimum of 1 :40 fall to sewer (this will enable you to run horizontally as long as you like, providing you maintain 1 :40 fall).

**C) ELECTRICAL CONNECTION** (To be performed by a registered Electrical Contractor to AS 3000 requirements).

1. SaniPlus requires a 220/240 volt, single phase AC/50Hz supply.
2. Do not connect to a conventional G.P.O.
3. Do direct (hard) wire to an electrical control box using a 5 amp fuse only and utilising a 3 gang type wall plate close to the pump.
4. All cable, pressure chamber and motor work only to be carried out by Accredited Sani Service Agents (Ph: 0400 592 642 — Sani Servicing and Spares). Warranty will be voided if any unauthorised service people attempt to perform this work.
5. The SaniPlus is an earthed product. All conductors are coloured in accordance with the following code:

**BROWN = ACTIVE, BLUE = NEUTRAL, GREEN/YELLOW = EARTH.**

**D) VENTING**

The SaniPlus should be vented in accordance with AS 3500.2 requirements. Venting is primarily required to allow air into the unit such that it operates correctly, rather than to allow odours out. The vent pipe diameter need only be 20mm and should rise up from the 20mm vent hole located in the top left hand corner of the lid. If venting to atmosphere is not possible, we recommend a vent to a height of at least 100mm over the highest connected fixture. Formerly, a white oval shaped plastic cap or plastic tube with mushroom cap was supplied, these are now removed from the parts bag prior to supply. Under no circumstances should the air inlet / vent hole be blocked off or plugged up. The SaniPlus will not function if it is not able to 'breathe'.

**E) HOT WATER**

The SaniPlus is designed to accept hot water up to 45 deg C for a maximum period of 2 minutes. The SaniPlus will not handle boiling water. If you run very hot water for longer than 2 minutes continuously, the thermal overload protection device will automatically come into operation and shut the pump down. The pump will not re-activate until the temperature has dropped from its highest level. (This could take anywhere between 30 minutes and 1 hour). There is no manual override for the overload device.

**F) CLEANING OF WC PAN**

Do not use cistern or pan tablets ( e.g. Bloo Loo ) or heavy duty cleaning agents with your SaniPlus. A small amount of light cleaning agents (eg: Domestic disinfectant) periodically will suffice. After disconnection the power supply, internal cleaning can be affected by mixing 3 to 4 litres of a strong solution of spirits and salts into the pan. Leave this for 1 to 2 hours, then reconnect the power and flush several times to clear.

**G) WARRANTY**

The SaniPlus carries a two (2) year factory warranty. This warranty covers failure caused by product defect only. It does not cover failure caused by misuse or by incorrect installation. Please fill out and return the completed customer registration card and post it to us.

IF YOU WOULD LIKE TO DISCUSS ANY ASPECT OF YOUR PROPOSED INSTALLATION OR WOULD LIKE SOME PRE-INSTALLATION ADVICE, PLEASE CALL OR FAX OUR HELP LINES:

**PH: (03) 9561 2750 FAX: (03) 9561 4251**

**or our service agent, Sani Servicing and Repairs on: 0400 592 642**

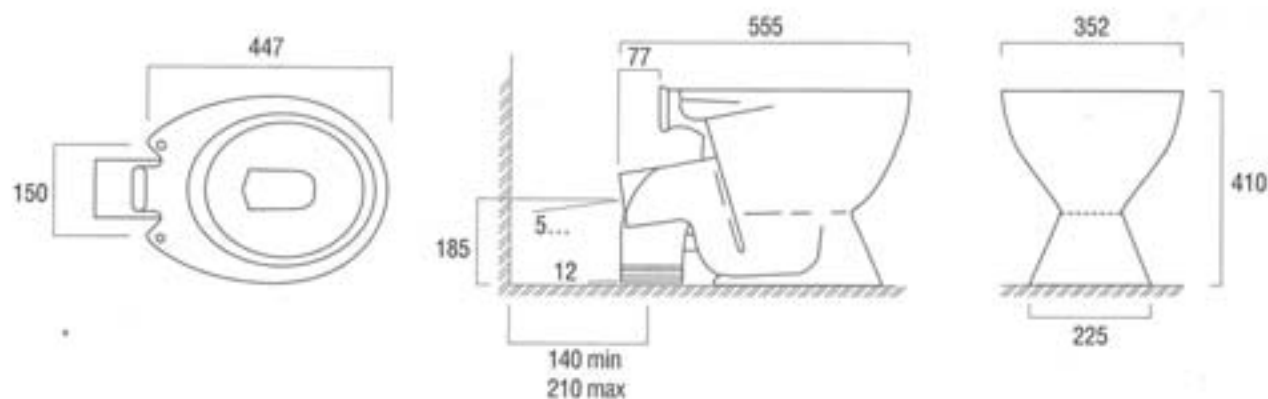
Products you can depend on, from a company you can rely on:

**Sanipump Pty Ltd, 8 Mountleigh Court, Glen Waverley, Victoria 3150**

# FERNDALE PAN STANDARD

## FEATURES

<b>Recommended use:</b>	Domestic, hotel and commercial.
<b>Material:</b>	Vitreous China
<b>Weight:</b>	S Trap: 12kg, P Trap: 11kg
<b>Fixing:</b>	Screwed to floor and sealant.
<b>Standards:</b>	AS 1172.2
<b>Warranty:</b>	12 months warranty. (see reverse)



## SPECIFICATIONS

Colour availability	White and Almond ivory
Rim configuration	Open rim
Bowl configuration	S or P Trap (exposed)
Set out	Will vary depending on cistern selected.
Bowl flush volume	6 litre washdown
Pan fixing	Screwed to floor and bedded with sealant
Seat	Not supplied. Will fit most round front toilet seats.
Water Inlet	Suitable for connection to 40, and 50mm inlet flush pipes.
Cistern	Compatible with most mid level, low level, inwall cisterns.

### Disclaimer:

Products in this specification manual must by regulation be installed by licensed and registered trade people. The manufacturer/distributor reserves the right to vary specifications or delete models from their range without prior notification. Dimensions and set-outs listed are correct at time of publication however the manufacturer/distributor takes no responsibility for printing errors.

# FERNDALE PAN STANDARD

## Note:

All measurements for roughing-in should be taken from finished wall/floor.

The recommended method of fixing pans is by use of flexible sealant to foot of pan and screw fixing through pan fixing holes using corrosion resistant fixing screws (not supplied).

## Cleaning Instructions

It is recommended that toilet seat and cover be installed after all trades are finished. The high quality vitreous china finish can be maintained by simply using mild soapy water and wiping over. No abrasive cleaners or chemicals should be used on vitreous china surface or toilet seats as this may lead to surface damage.

Do not use any toilet cleaners in the cistern. As the chemical compound may effect the internal mechanisms.

## Dear Plumber

Could you please ensure a copy of the installation instructions is left with end user for future reference.

## WARRANTY

### Dear Customer,

This is the warranty by Reece Pty. Ltd. relating to this product. Please keep it together with your purchase receipt. In the unlikely event of a query please contact your nearest Reece Plumbing Centre.

### Warranty

You have purchased a quality product from Reece Australia. This product is covered by a twelve month warranty. The exceptions are, single lever mixer cartridges which have a warranty of 5 years. This warranty covers faults in the product construction, material and assembly. Faulty products will be repaired or exchanged free of charge. Faulty items become our property.

*This warranty does not include faults caused by:*

- Unsuitable or improper use
- Incorrect installation
- Installation or part installation by the purchaser or any person other than a LICENSED PLUMBER or tradesman
- Normal wear and tear
- Inadequate or complete lack of maintenance
- Chemical, electrochemical or electrical influences.

### Cleaning Recommendations

Any sanitaryware should not be cleaned with abrasive materials eg steel wool/scourers. Do not use any corrosive or abrasive cleaning agents containing acids or scouring agents.

Bleaches can also discolour seats and hinges and therefore should not be used.

If your toilet has metal hinges they should only be cleaned with a mild liquid domestic cleaner, with soft soapsuds or POSH Steel & Chrome cleaner (a mild specifically formulated cleaner for chrome & stainless steel). After cleaning, rinse with clean water and polish with a clean soft cloth.

In the event of a warranty claim, we will replace or repair defective products, or pay for the cost of having defective products repaired or replaced, but will not be liable for any injury to any person, damage to any property, any indirect or consequential loss, or in any other respect.







# DESCRIPTION

The SANIPLUS® pump/motor has been designed to pump away the waste from a V.C., a washbasin, a toilet, a shower or a bath. The SANIPLUS® is for domestic use only. Installed and used correctly, SANIPLUS® will give consistent and reliable service.

Please note the following warning signs:

-  Possible danger to personnel.
-  Warning of possible electrical hazard.

\*WARNING: This is a general warning that failure to follow instructions could result in poor functioning of the unit.

# TECHNICAL DATA

SANIPLUS®	
Application	1 WC + bath + shower + toilet + washbasin
Maximum vertical pumping	5 m
Maximum horizontal pumping	100 m
Nominal power rating	400 W
Electric class	I
Noise level	56 dBA
Degree of protection	IP44
Net Weight	8,1 kg

WARNING: Only installations conforming to the above specifications are acceptable.

# LIST OF ACCESSORIES INCLUDED

# DIMENSIONS

# PERFORMANCE CURVE

# VERTICAL/HORIZONTAL PUMPING COMBINATION

# INSTALLATION

WARNING: Allow sufficient clearance and access to enable unit to be removed for possible maintenance.

# Connection to a WC

- 1 - Pull the flexible sleeve over the pan spigot
- 2 - Position the jubilee clip over the edge of the flexible sleeve, and tighten with a screwdriver

WARNING: SANIPLUS® must always be connected to a WC.

# Connection of discharge pipework

- Insert the elbow  into the lid and turn it clockwise to the direction required.
- Fit the hose  to the end of  and secure with jubilee clip . Connect the other end to 22mm (3/4") copper or rigid UPVC pipe and secure with jubilee clip .
- Alternatively fit a 32/22mm reducer  into the hose, and install with 32mm pipework.

# Technical advice for discharge pipework

- 1 - Horizontal pipe runs must have a minimum fall of 1:200 (5mm per metre) to the soil stack.
- 2 - Vertical pipe work must always precede horizontal pipework where both are required.
- 3 - We would recommend that a drain-off point is installed to allow the discharge pipework to be drained down before any service work.
- 4 - If the discharge pipework runs to a level considerably lower than the SANIPLUS® unit, the resultant siphoning effect can suck out the water seal in the unit. Fitting an air admittance valve (ABA approved) at the high part of the pipe run will overcome this problem.
- 5 - The discharge pipework must be connected to the soil stack using an appropriate strap on boss.
- 6 - Ensure all external pipework is adequately lagged.
- 7 - Do not use 90° elbows. Use two 45° bends together or pulled copper bend.
- 8 - After about 12 metres of horizontal pipe, increase from 20mm to 30mm diameter of discharge pipe.

# Connection to top entry

(See drawings  and )

# Connection of extra sanitary appliances to low entry

- Use the flexible connector  to connect the shower waste to one of the side inlets. Secure with plastic clips  and .
- Plug the unused inlet with blanking plug  after greasing the joints.

WARNING: Ensure when connecting a shower to the SANIPLUS® that the underside of the shower tray is raised by at least 12cm from the floor.

# Example of SANIPLUS® installation

# Electrical connection

The electrical installation should be carried out by a qualified person, and conform to BS 7671 1992 requirements for electrical installation.

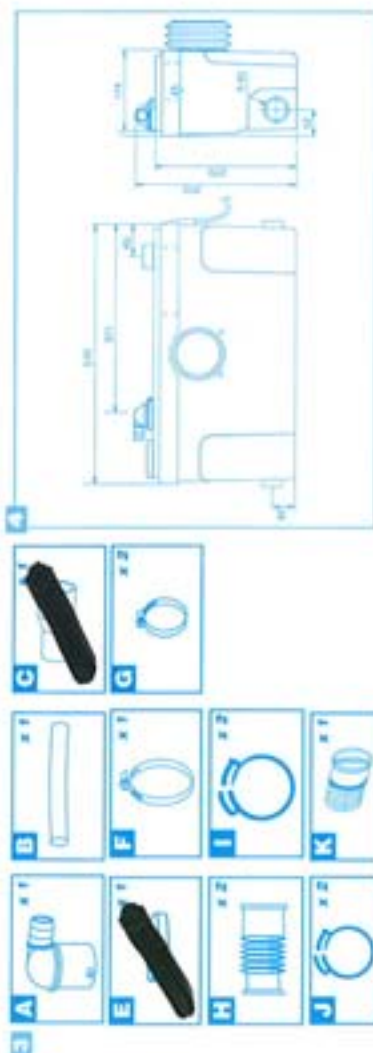
- The SANIPLUS® requires a 220-240V single phase 50 Hz supply (UK specification) and should be connected to an unswitched fused wiring connector protected by a 5 amp fuse, or circuit breaker set to 50mA.

- The unit should be sited at least 60 cm away from any shower tray.

# COMMISSIONING THE UNIT

Once electrical and plumbing connections have been made, flush the WC once. The motor should run from 10 to 30 seconds to clear the waste (depending on the length and height of the pipe run). If it runs for more than 35 seconds, check that the pipework is clear, and that the discharge hose is not knotted. Flush the WC checking that all seals, and connections are watertight. Check both the discharge pipework from the unit.

WARNING: There should be no dripping of water from the WC cistern. If there is, this will cause the unit to activate repeatedly as it pumps the water away.





## II USAGE

A WC fitted with a **SANIPLUS**<sup>®</sup> pump/macerator does not require any special maintenance. The **SANIPLUS**<sup>®</sup> will operate automatically as soon as the required level of water enters the case.

**WARNING:** The **SANIPLUS**<sup>®</sup> should only be used for the evacuating of normal human waste, toilet paper and household WC cleansers. Damage may occur to the machine if the following are disposed of via the WC: Cotton wool, tampons, sanitary towels, wet wipes, kitchen towels, condom as well as other fabric or hard objects. Solvents, acids and other chemicals can also cause damage to the unit, and will invalidate the warranty.

## III CARE OF YOUR SANIPLUS<sup>®</sup> UNIT

- Normal household bleaches/WC cleansers can be used with a **SANIPLUS**<sup>®</sup>.
- To avoid the build up of limescale in the unit, use the following procedure:
  - Disconnect the power supply to the unit,
  - pour 3 or 4 litres of water mixed with a strong solution of descaler/spat of salts into the WC pan,
  - leave it to stand for 1 or 2 hours, then re-connect the electric supply,
  - flush several times to clear.

The frequency of this operation will depend on the hardness of the water in your locality. We would recommend this be done about twice a year.

## IV FAULT FINDING/REMEDIES



For the most part any inconsistencies in the operation of the unit will be minor and easily rectified. Please refer to the chart below. If the problem cannot be easily remedied in this way. Please call our Service organisation.

**Warning:** Always disconnect the electricity supply before attempting any work on the **SANIPLUS**<sup>®</sup>.

SYMPTOM	PROBABLE CAUSES	REMEDIES
• The motor intermittently activates	• The WC cistern or taps are dripping • The run-return valve is faulty	• Check the appropriate washers/seals on the cistern/taps etc. • Clean or replace the non-return valve
• The water in the WC pan goes down very slowly	• The inner grille is clogged up	• Call a service engineer to clear the grille
• The motor operates normally, but continues to run for a long time	• The length or height of the installation is over the specification, or there are too many bends/elbows • The pump shaft is blocked • The activating pressure membrane is distorted	• Check the installation • Call a service engineer to unlock the unit • Call a service engineer to replace the membrane
• The motor does not activate	• The electrical supply is not active • The motor is defective	• Restore the electrical supply • Call a service engineer to inspect the motor
• The motor emits a rattling or crenching sound	• A foreign object has entered into the grille via the WC pan	• Call a service engineer to remove the foreign object from the unit
• The motor hums, but does not run	• The capacitor or motor is defective	• Call a service engineer to inspect the motor

## V REMOVAL



**REMOVING THE SANIPLUS<sup>®</sup> FROM THE WC SUITE**

1. Disconnect the electrical power supply
2. Turn off the water feed to the WC cistern. Bail out as much water as possible from the cistern.
3. Remove discharge hose **C** from elbow **B**. Remember that the vertical head of water will run back
4. Disconnect any inlet pipes from the unit. Ease the flexible connector off the WC pan spigot and slide the **SANIPLUS**<sup>®</sup> out from behind the WC.



**NOTE:** For easy replacement of the lid, lubricate the lid seal with liquid soap.

**Do not reconnect the electrical power supply until the re-installation is complete.**

## VI GUARANTEE

The **SANIPLUS**<sup>®</sup> is guaranteed for 2 years, subject to correct installation and usage.

Dear Sir/Madam,

Please complete this guarantee card and retain it. You may be asked to produce it in the event of a guarantee claim.

Thank you.

Yours faithfully,

**SANIFLO LTD.**

Technical Services Dept.

Dear Sir/Madam,

To ensure registration of your 2 years warranty please complete and return this pre-paid customer registration card within 14 days of installation.  
Yours faithfully,

**SANIFLO LTD.**

Technical Services Dept.

**G3**

03.04

# SANIFLO

## CERTIFICATE OF GUARANTEE

PLEASE COMPLETE.

PLEASE RETAIN CARD "A"  
AND RETURN CARD "B".

**GUARANTEE 2 YEARS**



Distributed by  
**Sanipump Pty Ltd**  
8 Mountleigh Court  
Glen Waverley VIC 3150  
Ph: 03 95612750  
Fax: 03 9561 4251

THE REPUBLIC OF IRELAND  
NAY  
MAY 1998

### Technical Services Dept.

Dear Customer,

Thank you for purchasing our "Small-bore Pumping System".

We are sure that it will provide you with the luxury of additional bathroom and household facilities that would otherwise be impractical or too expensive to consider.

Our units have been marketed for many years throughout Europe and our confidence in these products is such that we provide a two year guarantee against faulty workmanship or components.

Please carefully read the instruction leaflet and the following guarantee registration details and return the completed card to us immediately, having filled in the questionnaire. This will assist us greatly in improving our customer service still further.

Thank you for your confidence in our products which we are sure will provide complete satisfaction.

Yours faithfully,

**SANIFLO LTD.**

### AFTER SALES SERVICE

RETAIN THIS FOR FUTURE REFERENCE

**SANIFLO LTD.** has a nationwide network of service engineers who are fully trained and equipped to service the Saniflo range of products.

In the unlikely event that you do experience a problem with your unit, first turn off the electrical power supply to the unit, and call our engineer.

Please phone 08457 011111 **Service Agent** or call 01453 Linkline number which automatically calls **Sani Servicing and Repairs** Saniflo registered service engineer.  
**Ph: 0400 592 642**

Please note that the 2 year guarantee covers failure caused by product defect. It does not cover failure caused by misuse or by incorrect installation.

**SANIFLO**

### CERTIFICATE OF GUARANTEE 2 YEARS

The unit is not a waste disposal unit and should only be used for disposal of water, and in the case of WC installations, of organic waste matter and toilet paper. It is not intended for disposal of cotton-wool, plastic or rubber, moist wipes, hand towels, or any hard articles that could block or jam the motor.

Subject to the conditions listed below, **SANIFLO** Limited (hereinafter called "the Company") guarantees to repair or at its option replace the product or any component thereof which, in the opinion of the Company, is faulty or below standard as a result of inferior workmanship or materials.

The conditions of this guarantee are:

1. The customer must within 14 days of purchase complete the attached card "B" and send it to the Company for registration.
2. The product must have been connected to a suitable electricity supply and not have been subjected to misuse, neglect, accident or damage from unsuitable products (see first paragraph), or have been installed, modified adjusted or repaired other than by a suitably qualified installer (e.g. qualified plumber/Saniflo approved engineer).
3. The alleged fault or defect must be notified to the Company, within two years of the date of purchase of the product. In case of a problem with the operation of your Saniflo unit, please call our service engineer [redacted]. You will be asked to produce the purchase or installation invoice to verify that the unit is still within the guarantee period.
4. This guarantee does not extend to the cost of disconnection and reconnection of the product or to any consequential damage, loss or injury of whatsoever nature arising from, or in connection with, the product.
5. This guarantee is not transferable.
6. This guarantee shall [redacted] apply where the product is sold or installed outside the United Kingdom or the Republic of Ireland.
7. This guarantee is additional to and does not affect the statutory rights of the customer.



# SANIRANGE

*We Can Plumb the Impossible!*

**WITH FOUR MORE NEW MODELS**



## SANIBEST

The small bore system that's the most powerful yet Sanibest is an all new macerator pumping system designed to accept water from a WC plus a choice of other gravity drained or pumped waste appliances. Takes waste from WC, dishwasher or washing machine, shower, bath, basin etc. Pumps up to 5m vertically, 100 m horizontally or a combination of both via 25 mm pipework. New macerator cutting action and new heavy duty motor designed for continuous operation. Accepts water up to 90o C and is ideal for commercial use, offices, restaurants, hotels and guest houses.

## SANIPRO

Sanipro is an ideal way to install an en-suite shower room, enabling, for example, a large bedroom to be improved with en-suite facilities. Sanipro enables a WC, shower and wash basin to be installed almost anywhere. It is easy and economical to install and can be concealed behind a demountable panel to give access if required. The Sanipro pumps pump away through 22mm pipes up to 5 metres vertically or up to 100 metres horizontally or a lesser combination of both.



## SANIPACK

A unique small-bore unit with suspended and back-to-wall pans. Sanipack is specially designed to enable the complete concealment of pipe work with back-to-wall and wall-hung sanitary ware, for use in built in bathroom units. The extra slim Sanipack will take waste from a WC, and waste water from a shower and wash basin, thus enabling a complete shower room installation to be drained by a single unit and pumped away through 22mm small-bore pipe work, vertically up to 4 metres or horizontally up to 40 metres or a lesser combination of both.

## SANISHOWER

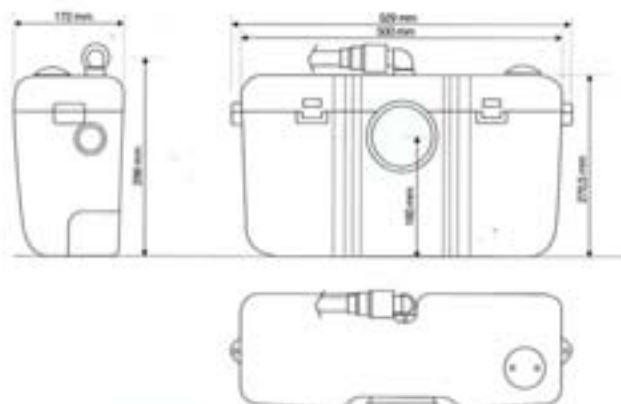
The waste pump for showers and hand wash basins. Sanishower is a small, strong, purpose designed pump for discharging hot waste water from shower and washbasin to a distant drain. The product is especially useful where a shower or wash basin is to be sited in a place where gravity drainage will be difficult or impossible to run - for example in a basement or on an internal wall of a property. Sanishower can be installed next to or underneath a shower tray with access and will discharge waste water through 22mm small-bore pipework, vertically up to 4 metres or horizontally up to 40 metres or a lesser combination of both.



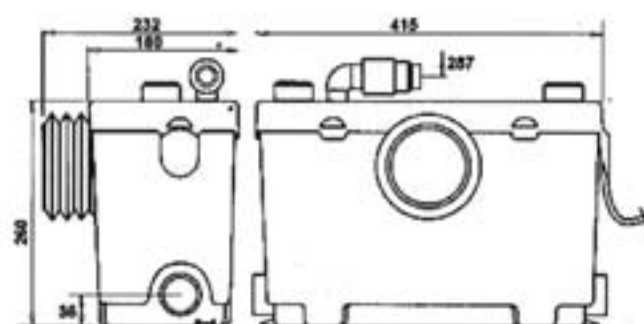
**The power behind two million bathrooms internationally**  
*pumps you can rely on..... from a company you can depend on.*



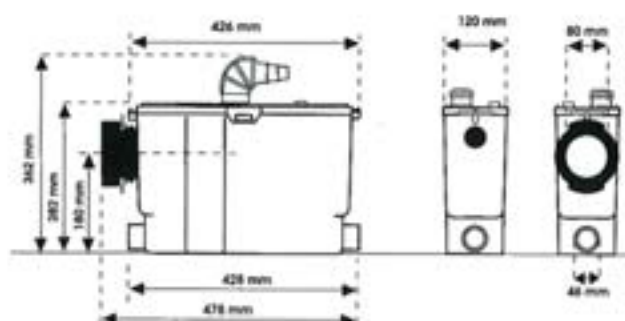
## SANIBEST



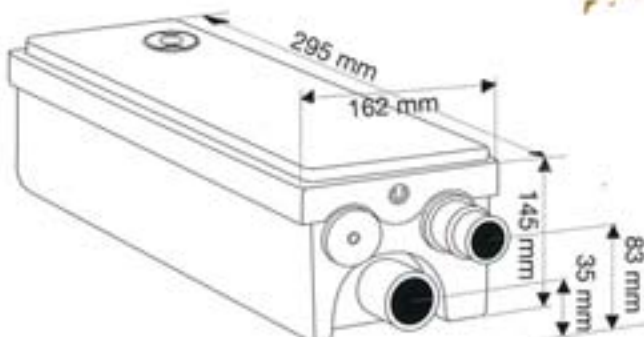
## SANIPRO



## SANIPACK



## SANISHOWER



Vertical FIRST



Valve direct fall



1:40 gravity IN



Support all pipe work



LONG radius or 2x45°s



5A fused

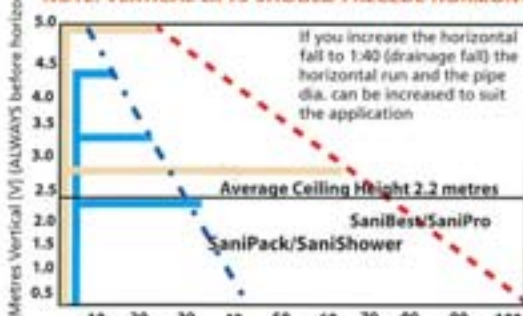
MODEL	Type of effluent	Pumping Distance Horizontally incorporating 1:200 Fall (Minimum)	Pumping Distance Vertically	Discharge Pipe Diameter	Electrical Supply
<b>SANIBEST</b>	Kitchen, Laundry, WC, Bath, Shower, Vanity and Bar	100 metres	5 metres	22mm bore	230V-240V AC 50/60Hz 5A fused
<b>SANIPRO</b>	WC, Vanity and Shower	100 metres	5 metres	22mm bore	230V-240V AC 50/60Hz 5A fused
<b>SANIPACK</b>	WC, Bath, Shower and Vanity	40 metres	4 metres	22mm bore	230V-240V AC 50/60Hz 5A fused
<b>SANISHOWER</b>	Waste Water from Shower and Vanity	40 metres	4 metres	22mm bore	230V-240V AC 50/60Hz 5A fused

SANIRANGE PUMPS HAVE A VENT TO ALLOW AIR INTO THE CARBET, NOT DRAINS OUT. THIS PREVENTS NEGATIVE TRAP PRESSURE ON START UP. WHILST THE UNIT DOES NOT REQUIRE A VENT TO ATMOSPHERE, WE RECOMMEND A VENT TO A MINIMUM OF 100mm OVER THE HIGHEST FIXTURE.

### VERTICAL AND HORIZONTAL PUMPING COMBINATIONS

(ALL SANIRANGE PUMP DATA INCORPORATES A CONSERVATIVE SAFETY FACTOR)

**NOTE: VERTICAL LIFTS SHOULD PRECEDE HORIZONTAL RUNS\***



### FOR FURTHER INFORMATION CONTACT:

**Sanipump Pty Ltd**

**Ph: 03 9561 2750**

**Fax: 03 9561 4251**

**8 Mountleigh Court, Glen Waverley,  
Victoria 3150, Australia**

**e-mail: customerservice@sanipump.com**

**www.sanipump.com**



\*TWO examples for SaniBest/Pro (5m V, 20m H) or (2.8m V, 65m H)  
\*THREE examples for SaniPack/Shower (4m V, 10m H), (3m V, 20m H), (2m V, 25m H)  
\*DESPITE ASSERTIONS BY OTHERS IT IS CLEAR THAT RAMPING HORIZONTAL RUNS INITIALLY, CREATES A TRAP WHERE SOLID PARTICLES BUILD UP. AS WASTE REMAINS IN THE PIPE RUN BLOCKAGES CAN THEN OCCUR LEADING TO COSTLY REPAIR. THE ADDITIONAL FRICTION LOSS AND LOAD CAN HARM THE MOTOR.

## Advantages over conventional solutions



- You decide where to put a toilet or a bathroom. It is not dictated by the drainage situation.
- You can have a macerating pump system anywhere from the attic to the basement.
- Your floors stay intact. No breaking up floors and the mess.
- Your labour costs are a fraction of traditional sewage tank/lift pump installations.
- You don't have to raise the floor.
- You can be up and running in half a day.
- You need only a small bore pipe, which can be run virtually anywhere.
- You only need the space of a regular toilet. Other systems need a minimum of 750mm clearance.

*a WINNING solution!*

## The SANIRANGE



The **SANITOP** is the base model in the SaniRange, suitable for installations involving a toilet and/or a hand basin. It is ideally suited for additional facilities such as en-suites, guest bathrooms and for the handicapped or infirm. The latter have found them invaluable as the Sanitop allows placement of facilities where needed – perhaps an under stair bathroom – and a significant reduction in price over alternatives such as extending or purchasing property ideally suited to their situation. Other applications include basement developments and granny flats. Additional facilities also add value for re-sale purposes, so the return on investment is a strong decision maker.

The **SANIPLUS** is the answer for most bathroom situations. As with the SaniTop, the SaniPlus can be installed up to 5 metres below the sewer level or 100 metres away from a soil stack (or a lesser combination of both). The SaniPlus can also collect and pump away wastewater from a hand basin, bathtub or shower. The SaniPlus can be connected to a low consumption toilet, using just 6 litres of water per flush (compared with up to 20 litres of water for older conventional toilets).



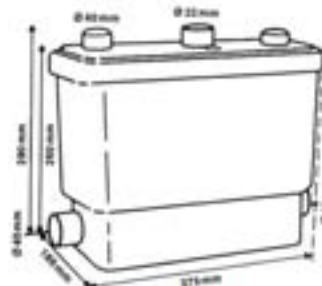
The **SANIVITE** is a waste-water-only pump that can be used with a variety of sources like a kitchen sink, dishwasher, laundry washer, wet bar, etc. It has a very small footprint and can easily be installed in a kitchen cabinet. SaniVite pumps can be installed up to 5 metres below the drainage level or 50 metres away from it (or a lesser combination of both).



**SANITOP**



**SANIPLUS**



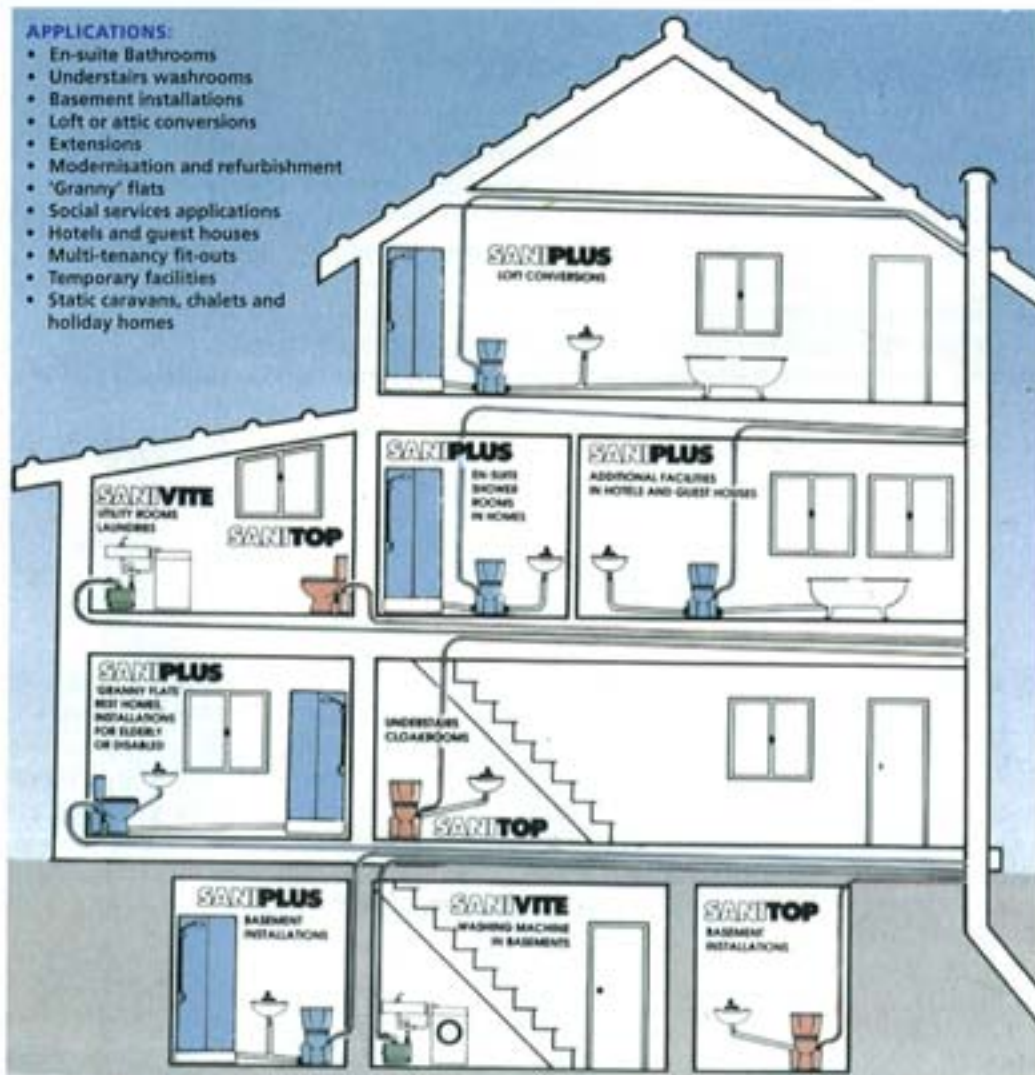
**SANIVITE**



# SANIRANGE

## APPLICATIONS:

- En-suite Bathrooms
- Understairs washrooms
- Basement installations
- Loft or attic conversions
- Extensions
- Modernisation and refurbishment
- 'Granny' flats
- Social services applications
- Hotels and guest houses
- Multi-tenancy fit-outs
- Temporary facilities
- Static caravans, chalets and holiday homes



Vertical FIRST



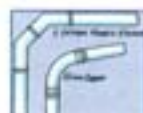
Valve direct fall



1:40 gravity IN



Support all pipe work



LONG radius or 2x45's



5A fused

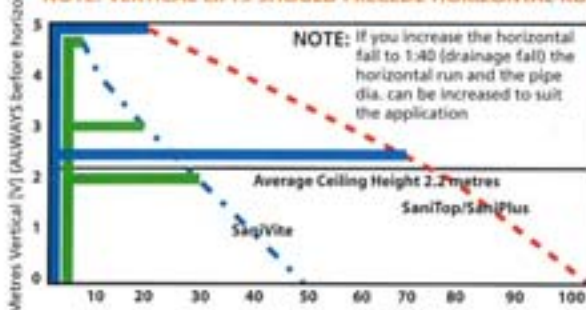
MODEL	Type of effluent	Pumping Distance Horizontally incorporating 1:200 Fall (Minimum)	Pumping Distance Vertically	Discharge Pipe Diameter	Electrical Supply
<b>SANITOP</b>	WC and/or Vanity	100 metres	5 metres	22mm bore	230V-240V AC 50/60Hz 5A fused
<b>SANIPLUS</b>	WC, Vanity, Bath, Shower & Bidet	100 metres	5 metres	22mm bore	230V-240V AC 50/60Hz 5A fused
<b>SANIVITE</b>	Waste water from kitchen sink, laundry trough &/or dishwasher	50 metres	5 metres	32mm bore	230V-240V AC 50/60Hz 5A fused

SANIRANGE PUMPS HAVE A VENT TO ALLOW AIR INTO THE CABINET, NOT ODOURS OUT. THIS PREVENTS NEGATIVE TRAP PRESSURE ON START UP WHILE THE UNIT DOES NOT REQUIRE A VENT TO ATMOSPHERE, WE RECOMMEND A VENT TO A MINIMUM OF 100MM OVER THE HIGHEST FUTURE.

## VERTICAL AND HORIZONTAL PUMPING COMBINATIONS

(ALL SANIRANGE PUMP DATA INCORPORATES A CONSERVATIVE SAFETY FACTOR)

**NOTE: VERTICAL LIFTS SHOULD PRECEDE HORIZONTAL RUNS\***



**NOTE:** If you increase the horizontal fall to 1:40 (drainage fall) the horizontal run and the pipe dia. can be increased to suit the application

Average Ceiling Height 2.2 metres

Sanitop/SaniPlus

Sanivite

Metres Horizontal run (H) (1:200 fall to waste) 5mm every 1.0 metres

Two examples for Sanitop/SaniPlus (5m V, 20m H) or (2.5m V, 70m H)  
Three examples for Sanivite (5m V, 5m H), (3m V, 20m H), (2m V, 30m H)

DESPITE ASSERTIONS BY OTHERS IT IS CLEAR THAT RUNNING HORIZONTAL RUNS INITIALLY, CREATES A TRAP WHERE SOLID PARTICLES BUILD UP. AS WASTE REMAINS IN THE PIPE RUN BLOCKAGES CAN THEN OCCUR LEADING TO COSTLY REPAIRS. THE ADDITIONAL FRICTION LOSS AND LOAD CAN HARM THE MOTOR.

## FOR FURTHER INFORMATION CONTACT:

**Sanipump Pty Ltd**

**Ph: 03 9561 2750**

**Fax: 03 9561 4251**

**8 Mountleigh Court, Glen Waverley,  
Victoria 3150, Australia**

**e-mail: customerservice@sanipump.com**

**WEB: www.sanipump.com**