

SANIFLO

SANIFLO RANGE OF SMALL-BORE SANITARY SYSTEMS



Pumps & Macerators

www.saniflo.co.uk





Before and After



Saniflo Range applications include:

En-suite shower rooms • Under stairs cloakrooms • Basement installations • Loft or attic conversions • Extensions • Modernisations
• Refurbishment • Granny Flats • Facilities for the elderly • Holiday homes • Static caravans and chalets • Temporary buildings
• Hotels and Guest Houses • Facilities for the disabled • Listed buildings • Offices and other commercial locations • Rest Homes

All Saniflo products are guaranteed for two years

Add luxury, add value. Transform your home with Saniflo

The Saniflo range of small-bore macerator pumps enables you to add an extra shower room, kitchen or utility facility almost anywhere.

This includes those 'hard to plumb' locations that would be impractical or expensive using conventional large-bore, gravity drained discharge pipework.

So, if you have the space to add facilities but plumbing is a problem – Saniflo will provide the answer.

Saniflo puts you in control; enabling you to site facilities where you want them, instead of where gravity plumbing dictates.

Units from the Saniflo range quietly pump waste and water vertically or horizontally, through small bore pipework of just 22/32mm diameter to existing drainage.

With Saniflo, you can choose where to add facilities and it's easy, quick and economical.

So if you have the space, Saniflo has the product to help you improve your home.














The SANISLIM
from

SANIFLO

Product Selector Guide

Which Saniflo product do you need to enable you to site extra facilities almost anywhere in your home?

This Domestic Range product selector will help you choose the right product for your installation.

		SANIFLO	SANISLIM	SANITOP	SANIPRO	SANIPACK	SANISHOWER	SANIPLUS	SANIVITE	SANICOMPACT	SANIWALL	SHOWERMATIC
		3 1001	7 1054	4 1002	8 1006	12 1052	10 1043/2	5 1003	6 1004	9 1081	11 1110	13 1136
ALL UNITS CAN BE USED IN ANY OF THESE SITUATIONS: BASEMENT, GROUND FLOOR, UPPER FLOOR, LOFT/ATTIC	 WC	✓	✓	✓	✓	✓		✓		✓*3		
	 WALL-HUNG WCs					✓					✓	
	 WASH BASIN		✓	✓	✓	✓	✓	✓	✓	✓	✓	
	 BATH								✓			
	 SHOWER		✓		✓	✓	✓	✓			✓	✓
	 POWERSHOWER				✓			✓			✓	✓
	 BIDET		✓		✓	✓		✓			✓	
	 WASHING MACHINE								✓			
	 DISHWASHER								✓			
	 SINK								✓			
	 ALARM*1	✓	✓	✓	✓	✓	✓	✓	✓			
PUMPS UP (METRES)		4	4	5	5	4	4	5	5	3	5	0.3
PUMPS ALONG (METRES)		50	40	100	100	40	40	100	50	30	100	3
DISCHARGE (MILLIMETRES)		22	22	22	22	22	22	22	32	32	22/32	22
DIMENSIONS	WIDTH	330	465	330	413	435	315	512	375	390	630	235
	HEIGHT	305	320	305	305	365	145	305	350	470	1075	300
	DEPTH	180	130	180	200	130	162	200	185	435	194	200
	DEPTH BEHIND WC OUTLET	190*2	145*2	190*2	210*2	-	-	210*2	-	-	-	-
WATTS		550	400	550	400	400	250	400	360	800	400	400
NORMAL RUNNING TIME (SECONDS)*4		10/20	10/20	10/20	10/20	10/20		10/20		25/30	-	-

*1 Sanialarm can be fitted to these units if required.

*2 Designed to fit WC pans to BS EN 33 or 37. As close coupled cistern dimensions vary it may be necessary with certain designs to utilise a spacer between cistern and wall.

*3 Sanicompact can be installed in locations with a minimum water supply pressure of 1.7 bar.

*4 Subject to discharge piperun

For heavier duty installations, see a summary of Saniflo's Professional Range on page 15. Full details can be downloaded from the website at: www.saniflo.co.uk



SANIFLO

The original macerator pump for an extra WC almost anywhere

The Saniflo macerator pump unit fits unobtrusively behind the WC.

You may choose any make or colour of WC suite (BS EN 33 or 37 Horizontal Outlet) you want to suit your decorative scheme.

When the WC is flushed the unit automatically activates to pump waste horizontally to a remote soil pipe up to 50 metres away. Saniflo will also discharge vertically up to 4 metres maximum, or a lesser combination of vertical and horizontal pipe run.

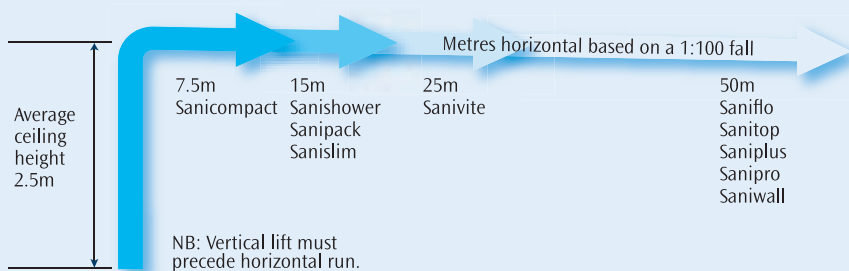


SANIFLO REF: 1001

PUMPS UP (METRES)	4
PUMPS ALONG (METRES)	50
DISCHARGE (MILLIMETRES)	22
DIMENSIONS (MILLIMETRES)	W330 H305 D180
WATTS	550

Sanialarm can be fitted to these units if required.
 Depth behind WC required: 190mm (see note 2 on page 3)
 Normal running time: 10/20 seconds, subject to discharge pipe run

ALL SANIFLO UNITS CAN PUMP VERTICALLY OR HORIZONTALLY IN ANY OF THESE SITUATIONS:
 BASEMENT • GROUND FLOOR • UPPER FLOOR • LOFT/ATTIC



Note: If you increase 'horizontal' pipe fall to full 1:33 gravity fall, then the horizontal distance can be increased to virtually any distance required. (Also increase pipe size).

NB: Our pumping systems are designed for the disposal of normal organic waste product, water or paper. They are not intended to replace kitchen waste or sanitary waste disposal units. As our policy is one of continuous product improvement we reserve the right to alter product specification and price without notice. All information in this publication is given in good faith. No responsibility can be accepted for any errors, omissions or incorrect assumptions. Illustrations are diagrammatic and should be regarded only as indicative of technical requirements. All vertical pumping distances are measured from base of unit.



SANITOP

A macerator pump that enables you to install a WC and wash basin; ideal for cloakrooms.

Install a WC and wash basin – even below sewer level or where you need to pump waste up 5 metres or to 100 metres horizontally.

You can choose the colour and style of sanitaryware that conforms to BS EN 33 or 37 Horizontal Outlet.



**WC
BASIN**

SANITOP REF: 1002

PUMPS UP (METRES)	5
PUMPS ALONG (METRES)	100
DISCHARGE (MILLIMETRES)	22
DIMENSIONS (MILLIMETRES)	W330 H305 D180
WATTS	550

Sanialarm can be fitted to these units if required.
 Depth behind WC required: 190mm (see note 2 on page 2)
 Normal running time: 10/20 seconds, subject to discharge pipe run

SANIPLUS

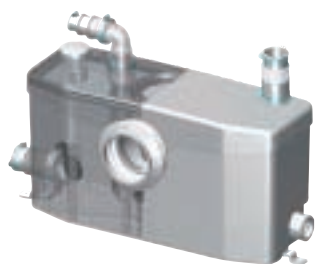
A macerator pump that enables you to install an en-suite with ease.

Takes the waste from a WC, a wash basin and a shower then pumps it through 22mm small-bore pipework, vertically up to 5 metres or horizontally up to 100 metres or a lesser combination of both.

Waste from the WC is dealt with first when the WC is flushed.

Waste water is drained by gravity from shower, bidet or wash basin to the Saniplus through inlets on either side of the unit.

Ideal for a shower room for the less able and you have the choice of both sanitaryware and location.



**WC
BASIN
SHOWER
POWER SHOWER
BIDET**

SANIPLUS REF: 1003

PUMPS UP (METRES)	5
PUMPS ALONG (METRES)	100
DISCHARGE (MILLIMETRES)	22
DIMENSIONS (MILLIMETRES)	W512 H305 D200
WATTS	400

Sanialarm can be fitted to these units if required.
Depth behind WC required: 210mm (see note 2 on page 2)
Normal running time: 10/20 seconds



SANIVITE

A domestic pump for discharge of waste water from kitchen and utility rooms.

Specially designed to deal with the hot soapy pumped waste water from dishwasher or washing machines, making the addition of a domestic kitchen or utility room easy, even when below or distant from a drain.

Sanivite is a powerful pump with four inlets for connection to sinks or appliances.

Waste water is pumped through 32mm small-bore pipework, vertically up to 5 metres or horizontally up to 50 metres or a lesser combination of both.

The compact Sanivite is usually concealed in a kitchen unit but can also be concealed behind a demountable panel to give access if required.



**SINK
DISHWASHER
WASHING MACHINE
BASIN
BATH**

SANIVITE REF: 1004

PUMPS UP (METRES)	5
PUMPS ALONG (METRES)	50
DISCHARGE (MILLIMETRES)	32
DIMENSIONS	W375 H350 D185
WATTS	360

Sanialarm can be fitted to these units if required.



SANISLIM

A macerator pump specifically designed for use with slimline sanitaryware.

Takes waste from a WC and waste water from a wash basin, shower or bidet, pumping it away to 4 metres vertically, 40 metres horizontally or a lesser combination of both.

A clearance of 320mm is required from floor level to the underside of a close coupled suite to accommodate the discharge elbow.



**WC
WASH BASIN
SHOWER
BIDET**

SANISLIM REF: 1054

PUMPS UP (METRES)	4
PUMPS ALONG (METRES)	40
DISCHARGE (MILLIMETRES)	22
DIMENSIONS	W465 H320 D130
WATTS	400

Sanialarm can be fitted to these units if required.
Depth behind WC required: 145mm (see note 2 on page 2)
Normal running time: 10/20 seconds

SANIPRO

A macerator pump that enables you to install a WC and shower: for example, a large bedroom can be improved with en-suite facilities.

The Sanipro is easy and economical to install and can be concealed behind a demountable panel to give access if required.



**WC
WASH BASIN
SHOWER
POWERSHOWER
BIDET**

SANIPRO REF: 1006

PUMPS UP (METRES)	5
PUMPS ALONG (METRES)	100
DISCHARGE (MILLIMETRES)	22
DIMENSIONS	W413 H305 D200
WATTS	400

Sanialarm can be fitted to these units if required.
Depth behind WC required: 210mm (see note 2 on page 2)
Normal running time: 10/20 seconds

SANICOMPACT

A unique cisternless ceramic WC with a built in macerator pump.

An automatic push-button flush is connected directly to the domestic water supply thereby eliminating the need for a cistern.

Space-saving Sanicompact is ideal for installing additional cloakroom facilities almost anywhere. It accepts waste from a WC and wash basin pumping it away through 32mm pipework, up to 3 metres vertically, 30 metres horizontally or a lesser combination of both.

N.B. Sanicompact requires a minimum of 1.7 Bar water supply pressure.

Not suitable for use with SaniAlarm.



Pneumatic push-button flush



'See through' view of Sanicompact WC showing inbuilt macerator pump

WC
WASH BASIN

SANICOMPACT REF: 1081

PUMPS UP (METRES)	3
PUMPS ALONG (METRES)	30
DISCHARGE (MILLIMETRES)	32
DIMENSIONS	W390 H470 D435
WATTS	800

Sanicompact can be installed in locations with a minimum water supply pressure of 1.7 bar.
Normal running time: 25/35 seconds



SANISHOWER

A pump for a shower and wash basin.

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 for maintenance.



**WASH BASIN
SHOWER**

SANISHOWER REF: 1043/2

PUMPS UP (METRES)	4
PUMPS ALONG (METRES)	40
DISCHARGE (MILLIMETRES)	22
DIMENSIONS (MILLIMETRES)	W315 H145 D162
WATTS	250

Sanialarm can be fitted to these units if required.



SANIWALL

A unique wall-hung WC frame system with concealed dual-flush cistern and integral macerator pump, for use with built in bathroom furniture, almost anywhere you choose.

Saniwall is a built-in frame system designed to accommodate all types of suspended WC (not supplied). Saniwall has a dual flush and an integral macerator pump.

For use where gravity fed plumbing is difficult or impossible to install, Saniwall enables the installation of a complete shower room. In addition to taking the waste and water from a WC there are three further entry points, one high and two low, enabling wash basin, bidet and shower to drain to the macerator which then pumps waste up to 5m vertically, 100m horizontally or a lesser combination of both.



sanitaryware not supplied



**WALL-HUNG WC
WASH BASIN
SHOWER
POWERSHOWER
BIDET**

SANIWALL PRO REF: 1110

PUMPS UP (METRES)	5
PUMPS ALONG (METRES)	100
DISCHARGE (MILLIMETRES)	22/32
MOTOR SPEED (rpm)	2800
POWER SUPPLY	220-240 V/ 50Hz
DIMENSIONS	W630 H1075 D194
AVERAGE WATER TEMPERATURE	35°C
WATTS	400

SANIPACK

A macerator pump specifically designed for use with built-in bathroom units.

Enables the complete concealment of pipework with back-to-wall and wall-hung sanitaryware.

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.



SANIPACK REF: 1052

PUMPS UP (METRES)	4
PUMPS ALONG (METRES)	40
DISCHARGE (MILLIMETRES)	22
DIMENSIONS (MILLIMETRES)	W435 H365 D130
WATTS	400

Sanialarm can be fitted to these units if required.
Normal running time: 10/20 seconds, subject to discharge pipe run



WC
WASH BASIN
SHOWER
BIDET
WALL-HUNG WC



SHOWERMATIC

Shower Waste Water Pump

The Showermatic is a plug and go, low level pump for the removal of waste water from showers where gravity drainage is not an option. It has been specifically designed to enable the installation of wet rooms and shower tray installations almost anywhere. The unit will pump water away up to 12 litres per minute and is simple to install. The pump is activated by means of a unique gully flow sensor.

- Plug and go
- No flow switches
- Very quiet in operation
- Suitable for level access
- Compact and easy to conceal
- Pump cover supplied for exposed installations
- Ideal for most showers up to 12 litres a minute
- Innovative peristaltic design means no non-return valves
- Can be used with conventional shower trays or in wet room applications (tiled or sheet flooring)



Control box
Peristaltic Pump
Gully sensor



**POWERShower
SHOWER TRAY
WET ROOM**

SHOWERMATIC REF: 1136

PUMPS UP (METRES)	300mm*
PUMPS ALONG (METRES)	3m
DISCHARGE (MILLIMETRES)	22
DIMENSIONS (MILLIMETRES)	W235 H300 D200
WATTS	400

*Bottom of pump must be no more than 300mm from top of shower waste.

SANILife

A range of inclusive design products for the whole family

As life expectancy increases and there is a huge shift in the demographics both here and throughout the Western world, we are getting older and living longer. In consequence there is an increasing demand for products to improve the quality of life for the less able either through disability or the natural ageing process. These products enable them to remain in their own homes, where formerly they may have needed to be re-homed into a care-home or similar.

Saniflo have developed a range of products called Sanilife that enable practical modifications to be made to a bathroom to enable the elderly and less able person to remain independent but the nature of the design makes them perfect for use by the whole family.



The above illustration shows the innovative, Sanimatic rise and fall, wash hand basin; part of the Sanilife Range of inclusive products.

For more information on the Sanimatic and the other products in the range, please request a copy of the new brochure.

SANIFLO

PROFESSIONAL RANGE

The Professional Range takes Saniflo technology to a higher level and is ideal for heavier duty macerator/pumping applications

The Saniflo Professional Range extends the benefits of Saniflo technology from the domestic to the commercial sector which may now take advantage from the brand's quality, longevity and service support – in situations where the addition of facilities is hampered by remote soil stacks or drainage.

There are seven products in the Professional Range. These macerator/pumps are designed to perform in some of the most demanding situations where it is necessary to deliver waste water over a distance of 100m or vertically to a height of 11m using small bore discharge pipework.

Sanispeed is a pump which is intended for light commercial situations. It has a working temperature of 35°C and can operate at 75°C for short periods. Pumps up to 70m horizontally using 32mm or 40mm pipework. Its maximum discharge height is 7m with a flow rate at this



height of 43 litres/ minute. It has proved extremely efficient in bar/ restaurant environments where there were previously no alternatives to traditional gravity drainage.

Sanicom is the second pump in the Professional Range. It has a new, more powerful oil and fan cooled motor encased in aluminium housing. It can pump water over a staggering 100m horizontally, 10m vertically or a lesser combination of both. It disposes of water circa 35°C but is capable of dealing with 90°C water for short periods dependent upon flow rate and discharge pipework configuration.



Its high flow rate to pumping head is ideally suited to demanding commercial or industrial environments such as: waste water from large sinks; industrial –glass washer/ dishwashers; sports or leisure centres where there is a combination of constantly busy showers, baths and sinks.



Sanicom2 like the Sanicom is a lifting pump but with 2 x 1500 Watt motors for security of continuity of service.

Sanicubic is the most powerful pump in the Saniflo Professional Range. It has been designed for discharging



waste from multiple WCs and other waste water producing appliances. The unit is capable of discharging waste through 50mm pipework up to 11m vertically or 100m horizontally or a lesser combination of vertical x horizontal.

Sanicubic has inlet diameters of 110mm for WC waste and 40mm for waste water. The unit can handle waste water of up to 70°C for short periods and has dual motors for absolute reliability and power.

There are two alarms, one unit mounted, and one remote. The remote alarm will sound whenever the main alarm sounds. The unit operates on a domestic power supply of 230/240V AC 50Hz.

Sanibest accepts waste and water from a WC, hand basin, shower and urinal. The unit features a high performance motor



combined with a radical macerator action powerful enough to cope with the occasional sanitary item accidentally disposed of in the WC. It is the preferred unit for locations where members of the public, not necessarily familiar with macerator units, may unwittingly subject them to abuse.

Sanicondens is an essential pump for the disposal of condensate from gas boilers, air conditioning units or dehumidifiers. The small but powerful unit pumps acidic



condensate solutions up to 4.5m vertically at a mean temperature of 35°C, though it can cope with up to 80°C for limited periods.

There are two models available: **Sanicondens Plus**



and **Sanicondens Best**. Sanicondens Best incorporates a neutralising tray for the acidic concentrate from condensing boilers.

The Professional Range Brochure can be found on the web at: www.saniflo.co.uk/Downloads.aspx

Correct SANIFLO installation?

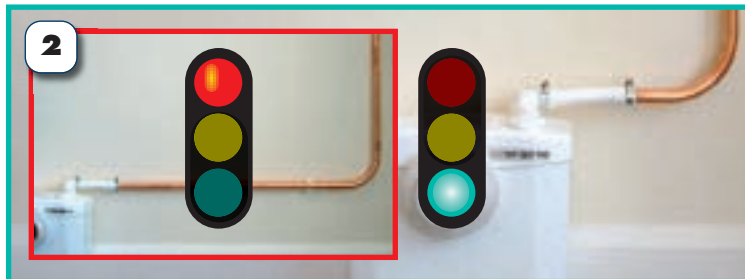
Check out the 10 Golden Rules



1 All horizontal pipes should have a minimum fall of 1:100.



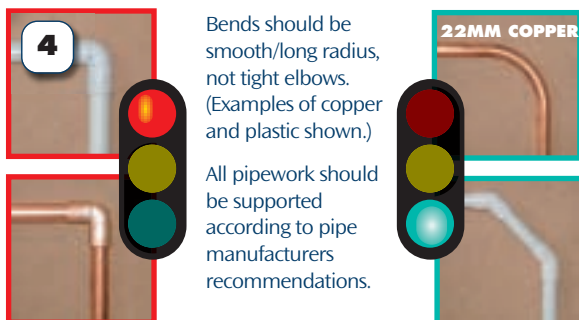
2 Discharge pipework should be copper or rigid solvent weld plastic, not 'pushfit'



3 If a vertical run is needed, this should be at the start of the run (within 30cm of the unit) and from the high point there must be a minimum fall of 1:100 (see rule 1).



4 Pipes entering the Saniflo should have a gravity fall of 1:33.

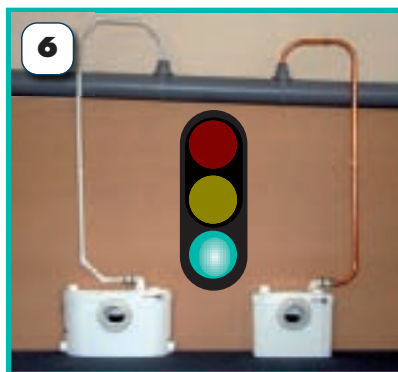


5 Bends should be smooth/long radius, not tight elbows. (Examples of copper and plastic shown.)

6 All pipework should be supported according to pipe manufacturers recommendations.



7 Where the pipework falls to a floor lower for example, fit an air admittance valve at the highest point capable of withstanding 10psi pressure, or increase pipe size coming down to 'break' syphon.



8 Each Saniflo discharge pipe should run separately to the soil pipe. If wastes are combined, it can only be into a larger pipe, which is on a gravity fall.



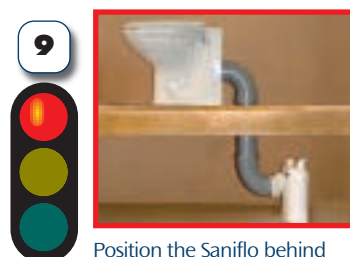
9 The unit should be easily accessible and removable in the event of maintenance being required.



10 If boxed in, the boxing should be easily removed. Any extension between the WC pan spigot and wall should not exceed 150mm.



11 Since many close coupled WC suites do not have the space between the WC pan spigot and the wall, you may have to batten the cistern off the wall to make room for the Saniflo. However Sanislim will fit behind most closed coupled WC suites without the need for this.



12 Position the Saniflo behind the toilet not underneath it.



13 Electrical connection should be via an unswitched fixed wiring connector with a 5 amp fuse.

Saniflo offer a complete range of products for all applications. Adding an ensuite shower room, kitchen, utility room, granny annex or loft conversion?

Download our e-learning module: www.saniflo.co.uk/e-Learning.aspx



SANIALARM

For added security

The new Saniflo SaniAlarm warns you if the water in the macerator rises to an unusually high level. Occasional abuse, power failures, or a build-up of limescale deposits in older units (that are not regularly descaled), can cause a surcharge of water in the unit.

SaniAlarm has a level pressure switch that triggers an alarm fixed on the top of the unit if the volume of water exceeds the maximum allowed level. The alarm emits a continuous 80 dB warning sound, until it is switched off and the problem rectified.

SaniAlarm is battery operated and can be fitted on most models* in the Saniflo range, including Sanispeed and Sanivite pumps.

Suitable for new or existing Saniflo installations.

SaniAlarm is quickly fitted onto the lid of the Saniflo unit.

*Not suitable for use with Sanicom, Sanicondens, Sanicompact and Sanicubic

Technical Data:

Power supply: 2 x AAA / 1.5v
Buzzer: 80 dB
Mounting Hole: 10mm diameter
Dimensions:
82mm (H)
62mm (W)
33 mm (D)



SANIFLO CLEANSER/DESCALER

For optimum cleaning power

For trouble free maintenance

- Specifically created for use with Saniflo products
- Laboratory formulated with phosphoric acid
- Concentrated solution for optimum cleaning power
- Regular usage prolongs unit life and maintains efficiency
- Harmless to septic tank operation
- 5 litre bottle for multiple applications
- Security cap protection.



The Saniflo concept

Saniflo-range macerator pumps reduce waste to liquid form and discharge through small-bore pipework to soil stack or sewer.

This means real economies in labour and structural work by eliminating conventional four inch gravity discharge pipework. Saniflo units activate automatically when the cistern is flushed.

The units are quiet and economic in use and are simply connected to the domestic electrical supply, via an unswitched fused spur. The units are specifically designed for use in damp and steamy conditions and the powerful induction motors (no carbon brushes or gears to wear out) are sealed for life.

Thermal overload cut-outs are fitted to help protect them

from abuse. Only the highest quality, non-corroding materials and components are used.

Moving parts are minimised for maximum reliability and durability. Products are tested and approved by the British Board of Agreement (Certificate No. 87/1889 and 95/3194).

Saniflo units are fully guaranteed for two years and backed by a nationwide service network.

Technical Advice/Spares: 020 8842 4040

Service Engineer Linkline: 08457 650011

Please phone from a landline from the unit location in order to be connected to your local service engineer.

Visit the website for a full listing of Service Engineers.



SANIFLO, SANITOP, SANIPLUS, SANIPACK & SANIPRO ARE BBA APPROVED



SANIVITE & SANISHOWER ARE BBA APPROVED

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OTHER BROCHURES AVAILABLE

MACERATORS &
PUMPS FOR HEAVIER
DUTY COMMERCIAL
USE



A RANGE OF 'ALL
INCLUSIVE DESIGN'
PRODUCTS



A RANGE OF
CONDENSATE PUMPS



SANIFLO MARKETS THE
KINEDO RANGE OF
CUBICLES, WET ROOM
PANELS AND
ENCLOSURES



For further information
log on to
www.kinedo.co.uk

SANIFLO

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Please note: The diagrams on the cover illustrate potential applications for the Saniflo range. A detailed installation manual accompanies the product.