



MACERATORS & PUMPS

CATALOGUE

2022



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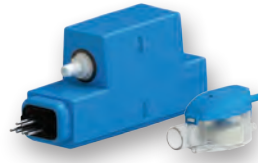


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GREASE TRAPS

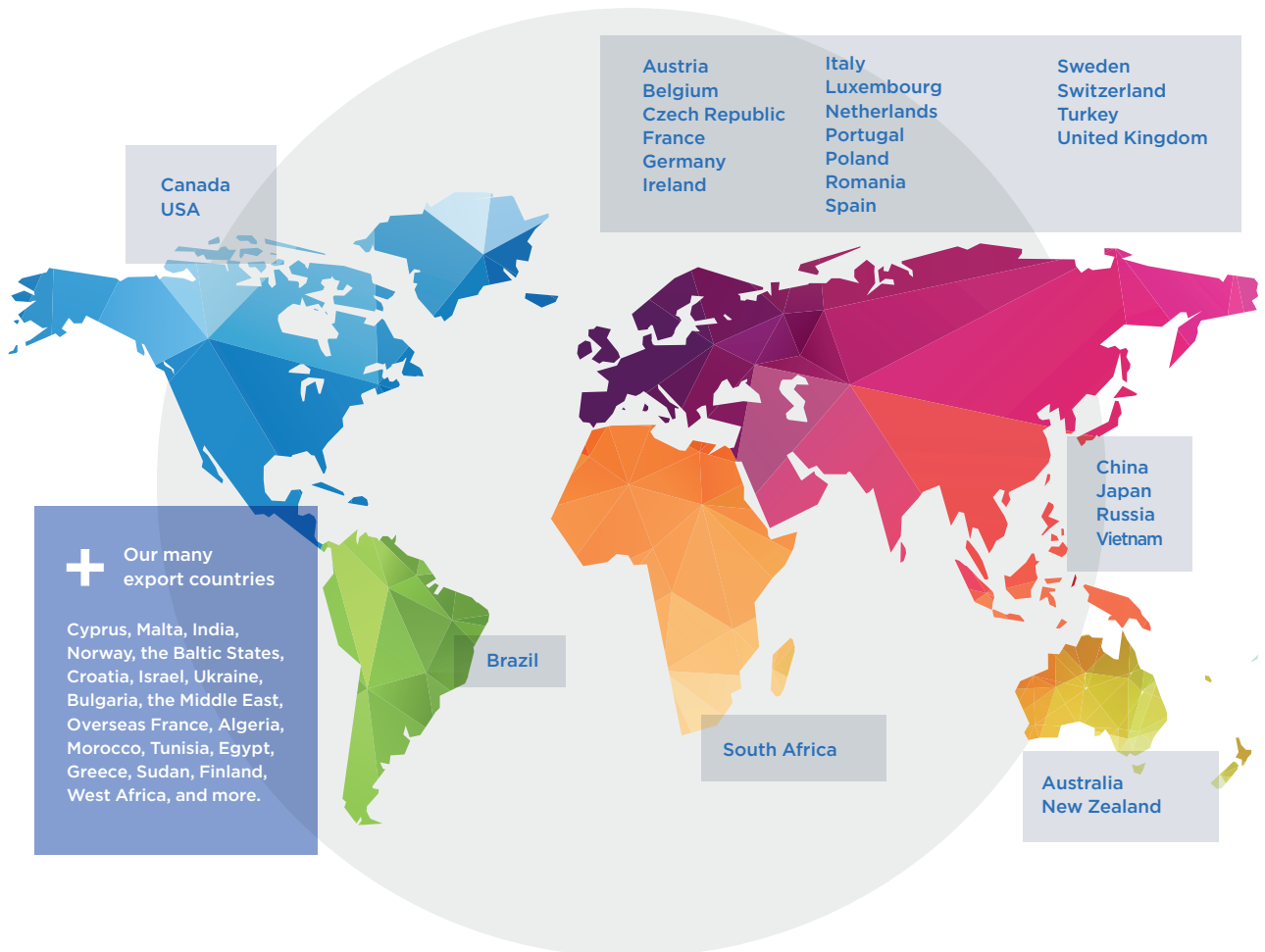
SFA Group

World leader in sanitary equipment

For over 60 years, the companies of the SFA Group have been working to provide our professional and end consumer customers with increasing levels of sanitary convenience in their daily lives.

An International Group

Established in 27 countries across 5 continents, the Group continues to expand internationally through partnerships forged with professionals in the sector, carefully selected and trained to carry forward the reputation for performance, quality and service of the international Group.



This is the very hallmark of the SFA Group!

It was this attitude and approach that brought about the release of the first Sanibroyeur in 1958. A brilliant idea that continues to revolutionise interior design around the world. This expertise in solutions has been put to use for many years, providing invaluable assistance across a wide variety of sectors.

The SFA Group operates in 4 areas of activity:

- **Domestic pumping solutions**
- **Professional pumping solutions**
- **Equipment for showers, balneotherapy and spas**
- **Water treatment.**

Vision & Perspectives

The Group's activity around pumps and pumping stations clearly illustrates its external growth policy.

This policy approach aims to protect and enhance expertise and resources. An initiative that builds a homogeneous block performing at an extremely high growth capacity.

By bringing in a technical expert like Zehnder Pumpen, recognised and well regarded in the market and a global player with a presence in over 70 countries, SFA has created the conditions to develop its innovation ability, reinforce its manufacturing base and ensure strong growth in this segment.

1958

SFA founded and the 1st toilet macerator. Europelec acquisition

1970

Expansion into Europe and North America

1988

Kinedo purchase

1990

ISO certification of factories

1993

Grandform joins the group

2019

Zehnder Pumpen purchase

2020

New visual image
Format and Aquaturbo
Systems purchase

SFA solutions are synonymous with quality, design and technology.

Throughout its history, SFA has established a high-performing manufacturing base, opting for an integrated production strategy to build and assemble its equipment in record time. Its industrial model ensures complete control of each stage of production, quality control and manufacturing deadlines. This guarantee of reliability and trust is appreciated by its clients. The Group's commitment to quality is recognised internationally by independent laboratories. Each factory complies with the required standards of the certifications applicable in every country where its products are sold:

- CE marking in Europe • CSA certification marks in North America
- PCT certification in Russia • JET standard in Japan



BRÉGY
FRANCE

Every day, some 300 employees work to bring our company values to life, to make things easier for our customers and our installers. Over the years, numerous investments have taken Brégy from being a simple assembly site to a largely self-sufficient production centre. To guarantee product quality from start to finish, we have vertically integrated the manufacturing of many components into our own production process. Our 25 000 sqm factory is divided into four units to manage the production of composite and rubber parts, the manufacture of motors, the assembly of components and the creation of electronic components.

Historically, our two entities share the values of the French flagship of the sanitary industry: innovation, reliability, durability and performance.



GRÜNHAIN-BEIERFELD,
GERMANY

The Zehnder Pumpen company, purchased by SFA in 2019, has established itself as a recognised specialist brand in the production of submersible pumps, garden pumps, wastewater pumping stations, automatic domestic water dispensers or domestic water networks.

2-YEAR WARRANTY

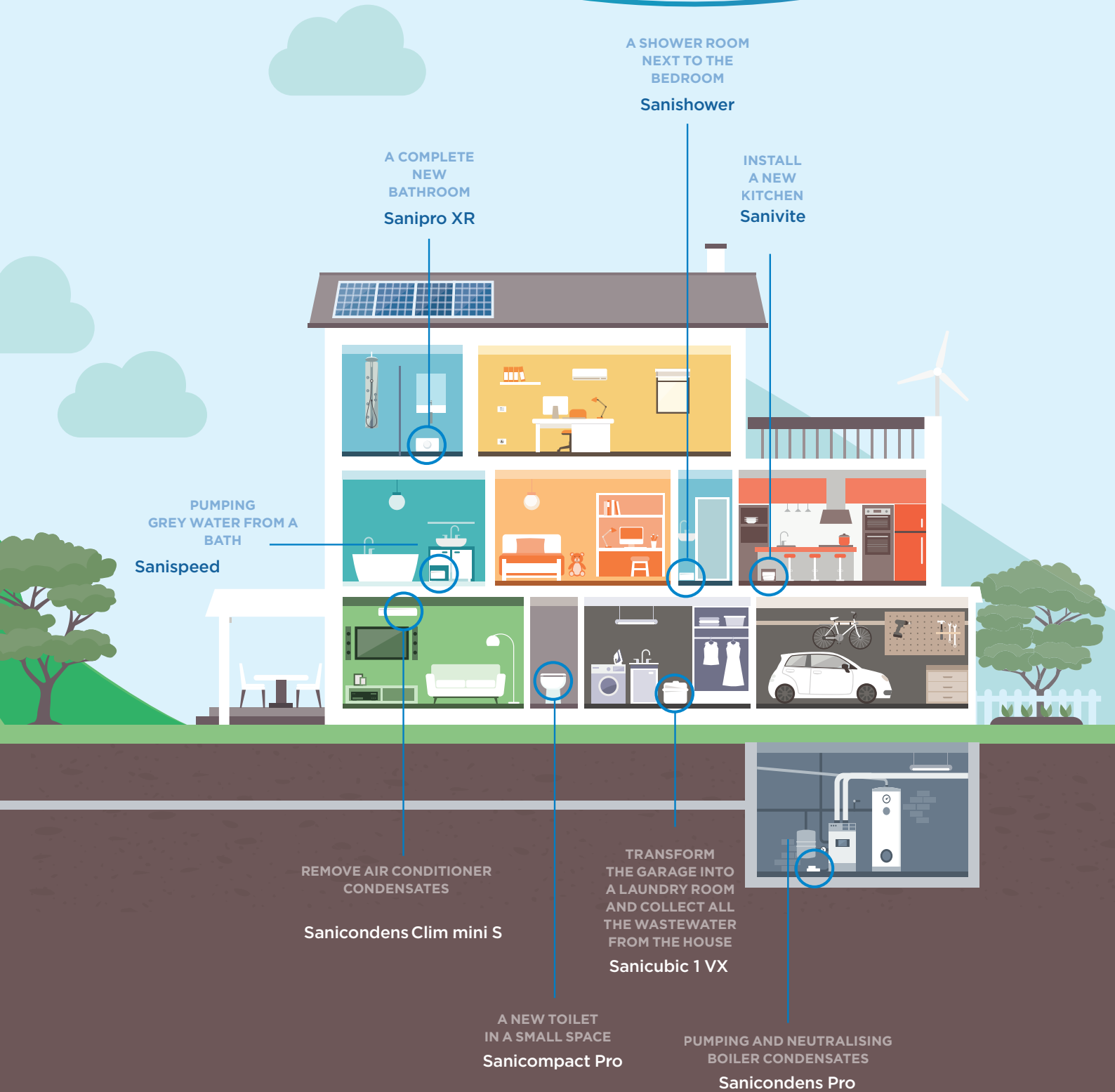
SFA pumps and macerators meet the European standards currently in force (EN 12050-3, EN 12050-2 and EN 12050-1) and are produced in a factory ISO 9001 and ISO 14001 certified.



What is a SANIFLO SOLUTION?

To adapt to the different stages of life, it may be necessary to modify and change your house by building an extension, or by adding an en-suite, additional bathroom or utility facilities. Saniflo products make it possible to carry out installation easily and without undertaking major building work.

If the additional new room is located at a distance from the main drainage system, perhaps in the attic, garage or in the basement, it is often easier and cost effective to use small bore pipework to create this new space rather than having to do major building work to connect to the main sewer.

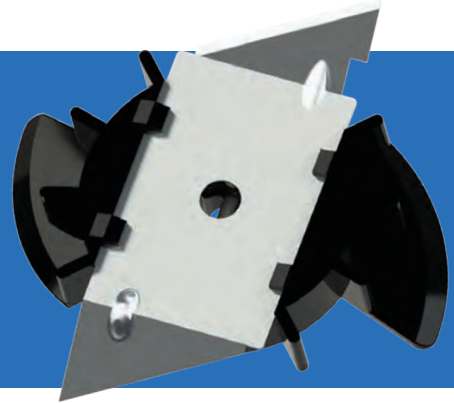


SFA macerators have remained at the forefront of technology since their invention, thanks to the group's continuous research and development efforts. Noise level, accessibility and design are all key elements to meet the needs of our customers.

OUR GRINDING TECHNOLOGIES

Single-blade cutter

The single-blade cutter reduces the black waste into fine particles. The rotating steel blade cuts through waste materials and discharges the water and waste at the same time.

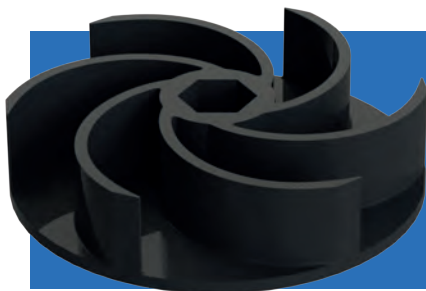
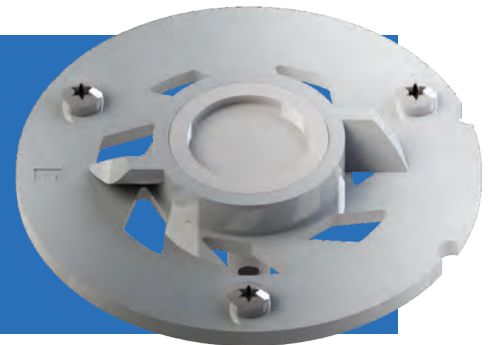


Multi-cutter disc

The multi-cutter disc uses a shredding action and acts as a turbine. This technology is available in the Sanicompact.

Pro X K2 impeller

The pro X K2 impeller is a more robust blade and has been designed to deal with the occasional obstruction such as a wet wipe, tampon, sanitary towel or condom.

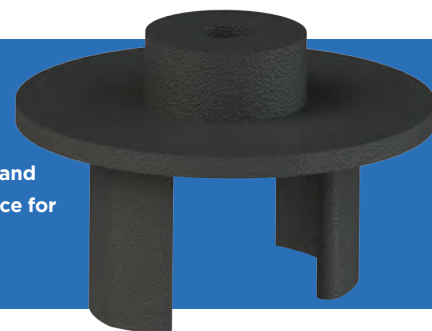


KX V6 Vortex impeller

SFA also has vortex technology. This technology is able to deal with particles of up to 50 mm, to meet the most demanding applications and creates a centrifugal action rather than a cutting blade.

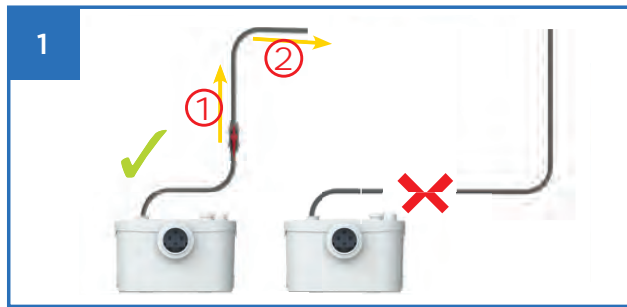
Two-channel wheel

The two-channel wheel sucks out and discharges grey water and particles without grinding them and provides 50 mm clearance for maximum performance.

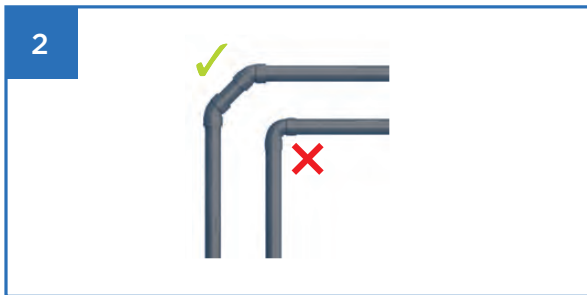




SOME RULES FOR INSTALLING AN SFA MACERATOR



Vertical pumping must take place at the start of the DISCHARGE (1). **From the highest point of the discharge (2), an incline of at least 1% is necessary.**



For the installation of connection elbows on the drainage piping, use 2 x 45° elbows rather than one 90° elbow. **The larger radius curves DECREASE the discharge losses.**



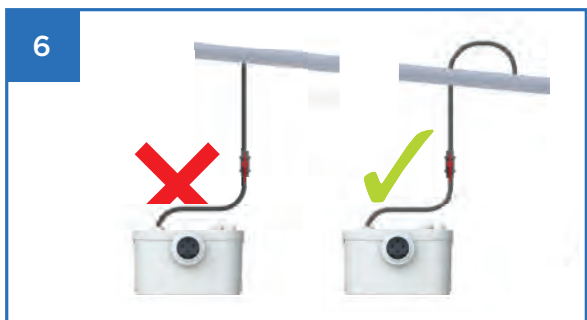
Plan for a slope between the sanitary appliances and the SFA macerator.



• If the discharge takes place in a direct downwards way, **provide for an aerator valve placed at the highest point to avoid the siphoning phenomenon.**



The appliance must not be installed **more than 20 cm behind the toilet, nor at a lower level than the bowl.**



The macerator discharge pipe must be connected to the downspout **from above, following the direction of flow.**



No sanitary appliance must be connected to the small diameter drainage pipe **specific to the macerator.**



WHY SANIFLO?

The SFA Saniflo range for creating sanitary fixtures anywhere and without any major works.

For over 60 years, SFA has offered wastewater pumping solutions to facilitate property development.

Installing an SFA macerator lets you create sanitary fixtures anywhere in the house, even without gravity drainage!

A water supply, a small diameter discharge pipe and an electrical socket are all you need to install an SFA macerator.















BEFORE



AFTER

Saniflo®



	 Toilet	 Wall-hung toilet	 Wash basin	 Bidet	 Shower cubicle	 Collectivity	 Easy operation
 <p>Saniflo Perfect for toilet drainage</p> <p>p.13 •</p>							✓
 <p>Sanitop Drains both the toilet and washbasin</p> <p>p.14 •</p>			•				✓
 <p>Sanipro XR Drains all the water from a shower room</p> <p>p.15 •</p>			•	•	•		✓
 <p>Saniaccess 1-2-3 Complete solutions perfect for rental accommodation</p> <p>p.16 •</p>			•	•	•		✓
 <p>Sanigrind Pro The unique solution for S-trap toilets</p> <p>p.17 •</p>			•	•	•	•	✓
 <p>Sanibest Pro High performance maceration! Perfect for communities</p> <p>p.18 •</p>			•	•	•	•	✓
 <p>Sanipack The macerator for wall-hung bowls that fits in partitions</p> <p>p.19 •</p>		•	•	•	•		✓

- RELIABILITY AND INNOVATION SINCE 1958
- EASY MAINTENANCE THANKS TO DIFFERENT ACCESS POINTS
- SLEEK DESIGN
- THE QUIETEST RANGE ON THE MARKET

Bowl 083

SFA's vitreous china toilets are designed to be durable with a high gloss finish for an easy-to-clean surface. These floor mounted, rear discharge toilets have the desired height to meet comfort and aesthetics to provide a unique style. Saniflo's high efficiency toilets use 4.8 liters per flush and are recognized by the EPA's water-saving WaterSense program. Complete toilet system comes with everything needed for installation including a stylish soft-close toilet seat.



- Vitreous wash-down style bowl with integral p-trap which uses 4.8 LPF.
- Rear-outlet white bowl with 420 mm seating height for added comfort.
- Insulated tank to prevent condensation supplied with fill and flush valves.
- Bowl and tank come equipped with all the necessary mounting hardware.
- Large 100 mm trapway



1 Toilet tank

Insulated 4.8 LPF toilet tank equipped with all internal valves.

2 Round bowl

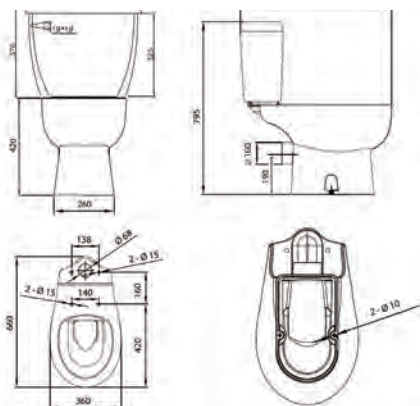
Rear discharge toilet with 420 mm seating height.

3 Extension pipe

45 cm long PVC pipe with internal gasket simplifies the installation process making it easier to hide the pump and plumbing behind the wall.

4 Sanibest Pro

1000W grinder pump for commercial applications that is able to handle the accidental flushing of sanitary napkins from full bathroom applications.



After installation of the wall

Saniflo



The original macerator pump unit that allows installation of an extra WC when a conventional solution isn't possible.



4 m
100 m



BY Cert. 60953364



PRODUCT BENEFITS

- Perfect for draining water from a toilet.
- Suitable for use in a basement or loft conversion.
- Quiet product.

CONNECTIONS

← Discharge diameter ext. : 22/28/32 mm

→ External inlet diameter : 100 mm



Single blade cutter

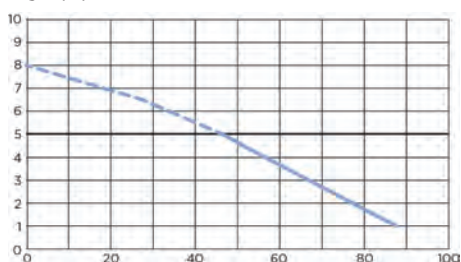


PACKAGING

Check valve, connectors, carbon filter to neutralise odours

CURVE

Discharge height (m)



Flow rate (l/min)

TECHNICAL FEATURES

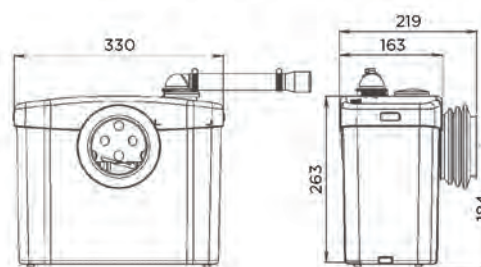
Number of entries	1
External inlet diameter	100 mm
Discharge diameter ext.	22/28/32 mm
Max. incoming temperature	35 °C
Voltage - Frequency	220-240 V - 50-60 Hz
Motor power	400 W
IP Rating	IP44
Electrical class	I
Noise level	46 dB(A)
Identification and logistics	
Gross weight	5.6 kg
Factory code	SXSTD

OPTIONAL EXTRAS

Sanialarm
Factory code : ALARM
See pg. 31



DIMENSIONS



Dimensions (mm)

Sanitop



Similar to the original Saniflo but allows the connection of a WC and a wash basin.



5 m
100 m



BV Cert. 6045364



PRODUCT BENEFITS

- Lets you install 1 toilet + 1 washbasin.
- Quiet product.

CONNECTIONS

← Discharge diameter ext. :
22/28/32 mm

→ External inlet diameter :
40, 100 mm



Single blade cutter

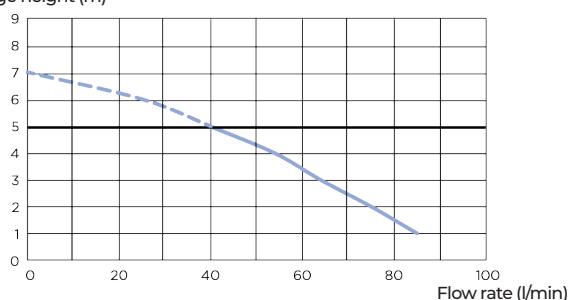


PACKAGING

Sanitop, check valve, connectors and activated carbon filter included to neutralise odours.

CURVE

Discharge height (m)



TECHNICAL FEATURES

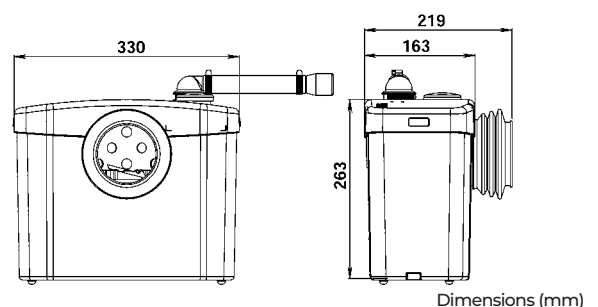
Number of entries	2
External inlet diameter	40, 100 mm
Discharge diameter ext.	22/28/32 mm
Max. incoming temperature	35 °C
Voltage - Frequency	220-240 V - 50-60 Hz
Motor power	400 W
IP Rating	IP44
Electrical class	I
Noise level	46 dB(A)
Identification and logistics	
Gross weight	5.7 kg
Factory code	ST2STD

OPTIONAL EXTRAS

Sanialarm
Factory code : ALARM
See pg. 31



DIMENSIONS



Sanipro XR



The neat unit makes it easy to install an extra bathroom. Can easily deal with a WC, basin, bidet and a power shower.



5 m
100 m



BVCCert. 6045364



PRODUCT BENEFITS

- Reliable and efficient macerating system.
- Drains all the water from a shower room.
- Quiet product.

CONNECTIONS

← Discharge diameter ext. :
22/28/32 mm

→ External inlet diameter :
40, 100 mm



Single blade cutter

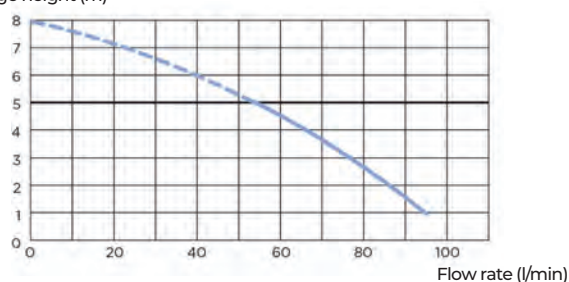


PACKAGING

Sanipro XR, check valve, connectors and activated carbon filter included to neutralise odours.

CURVE

Discharge height (m)



TECHNICAL FEATURES

Number of entries	4
External inlet diameter	40, 100 mm
Discharge diameter ext.	22/28/32 mm
Min. shower tray height	13 cm
Max. incoming temperature	35 °C
Voltage - Frequency	220-240 V - 50-60 Hz
Motor power	400 W
IP Rating	IP44
Electrical class	I
Noise level	46 dB(A)
Identification and logistics	
Gross weight	7 kg
Factory code	SRSTD

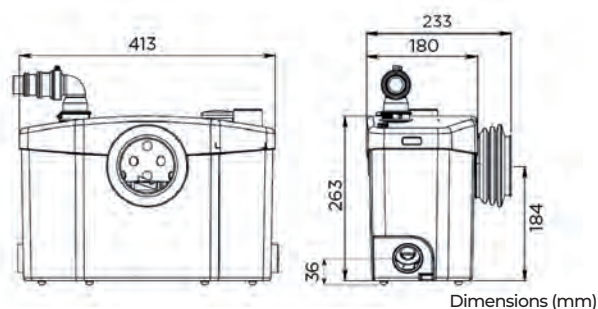
OPTIONAL EXTRAS

Sanialarm

Factory code : ALARM
See pg. 31



DIMENSIONS



Saniaccess 1-2-3



Saniaccess 3
Saniaccess 2
Saniaccess 1

Convenient covers allow service and maintenance without having to remove it.



5 m
100 m



BV Cert. 60433664



PRODUCT BENEFITS

- 3 models for all needs - WC only or complete shower room.
- Easy maintenance with double access to the product.
- Ideal for rental properties.

CONNECTIONS

- ← Discharge diameter ext.: 22/28/32 mm
- External inlet diameter: 40, 100 mm

• Direct access to the basket in case of blockage due to improper use of the device without dismantling the device and without emptying the tank



Single blade cutter

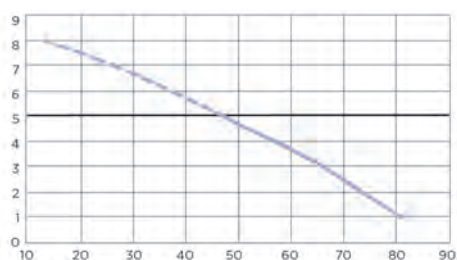


PACKAGING

Saniaccess, non-return valve, connectors, activated carbon filter included to neutralise odours

CURVE

Discharge height (m)



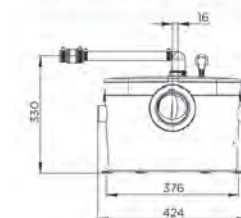
Flow rate (l/min)

TECHNICAL FEATURES

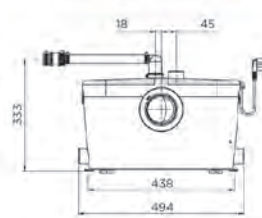
Number of entries	1	2	4
External inlet diameter	40, 100 mm		
Discharge diameter ext.	22/28/32 mm		
Min. shower tray height	15 cm		
Max. incoming temperature	35 °C		
Frequency Voltage	220-240 V - 50-60 Hz		
Motor power	400 W		
IP rating	IP44		
Electrical class	I		
Noise level	46 dB(A)		
Identification and logistics			
Gross weight	7 kg		
Factory code	SANIACCESS1	SANIACCESS2	SANIACCESS3

DIMENSIONS

Saniaccess 1-2



Saniaccess 3



Dimensions (mm)

Sanigrind Pro



The unique solution for S-trap toilets. Heavy duty macerator for public usage.



7 m
110 m



PRODUCT BENEFITS

- Ideal for public usage.
- The unique solution for S-trap toilets.
- The possibility to lower the pump.
- High performance macerating.

CONNECTIONS

← Discharge diameter ext. :
22/28/32 mm

→ External inlet diameter :
40, 100 mm



Pro X K2 grinder

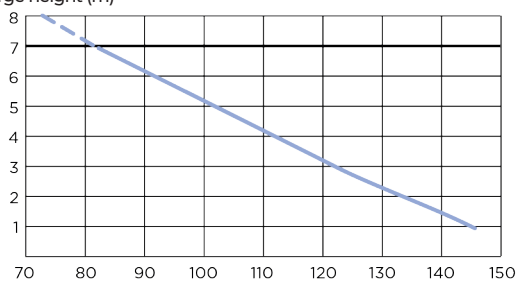


PACKAGING

Sanigrind Pro, non-return valve, connectors, activated carbon filter to neutralise odours

CURVE

Discharge height (m)



Flow rate (l/min)

TECHNICAL FEATURES

Number of entries	3
External inlet diameter	40, 100 mm
Discharge diameter ext.	22/28/32 mm
Max. incoming temperature	35 °C
Voltage - Frequency	220-240 V - 50-60 Hz
Motor power	1100 W
IP Rating	IP44
Electrical class	I
Identification and logistics	
Gross weight	12 kg
Factory code	GRINDPRO

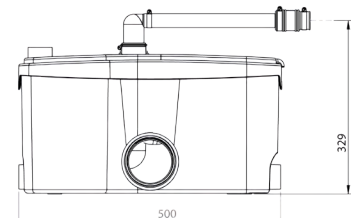
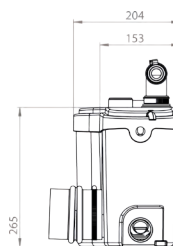
OPTIONAL EXTRAS

Sanialarm

Factory code : ALARM
See pg. 31



DIMENSIONS



Dimensions (mm)

Sanibest Pro



Heavy duty macerator suitable for heavy usage public or commercial environments.



7 m
110 m



BV Cert. 6045364



PRODUCT BENEFITS

- Suitable for intensive use in public and commercial environments.
- Perfect for communities.
- Direct access to electronic components.

CONNECTIONS

← Discharge diameter ext.: 22/28/32 mm

→ External inlet diameter: 40, 100 mm

Access directly to the electrics via the lid



Pro X K2 grinder

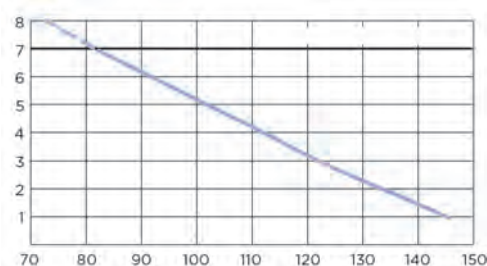


PACKAGING

Sanibest Pro, non-return valve, connectors, activated carbon filter included to neutralise odours

CURVE

Discharge height (m)



Flow rate (l/min)

TECHNICAL FEATURES

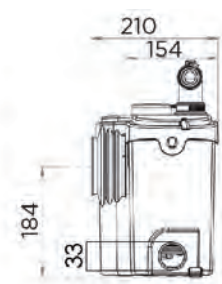
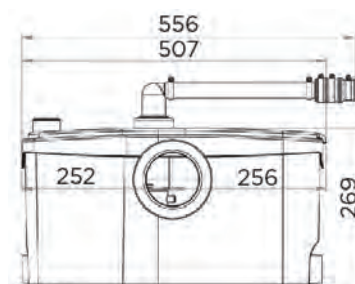
Number of entries	4
External inlet diameter	40, 100 mm
Discharge diameter ext.	22/28/32 mm
Min. shower tray height	15 cm
Max. incoming temperature	35 °C
Voltage - Frequency	220-240 V - 50-60 Hz
Motor power	1100 W
IP Rating	IP44
Electrical class	I
Identification and logistics	
Gross weight	12 kg
Factory code	B3PRO

OPTIONAL EXTRAS

Sanialarm
Factory code : ALARM
See pg. 31



DIMENSIONS



Dimensions (mm)

Sanipack



Designed for a back-to-wall-hung sanitaryware and a complete modern and sleek finish shower room.



5 m
100 m



BY Cert. 6045364



PRODUCT BENEFITS

- The macerator for wall-hung bowls that fits in partitions.
- Ideally suited for fitted bathrooms.
- Compact design, suitable for discreet installation behind a partition.
- Extra slim dimensions.

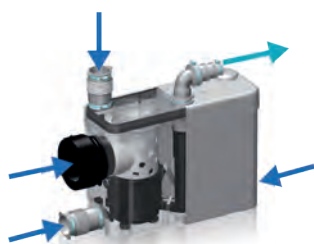
CONNECTIONS

← Discharge diameter ext. :
22/28/32 mm

→ External inlet diameter :
40, 100 mm



Single blade cutter



TECHNICAL FEATURES

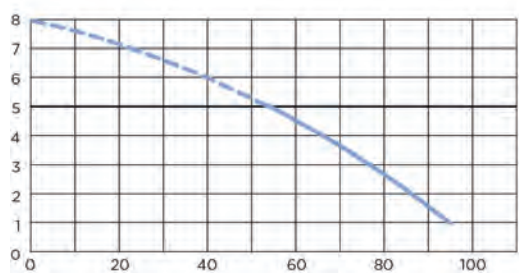
Number of entries	4
External inlet diameter	40, 100 mm
Discharge diameter ext.	22/28/32 mm
Min. shower tray height	13 cm
Max. incoming temperature	35 °C
Installation in relation to the WC bowl	max. 50 cm
Voltage - Frequency	220-240 V - 50-60 Hz
Motor power	400 W
IP Rating	IP44
Electrical class	I
Noise level	48 dB(A)
Identification and logistics	
Gross weight	5.5 kg
Factory code	PA2STD

PACKAGING

Sanipack, check valve, connectors, carbon filter to neutralise odours

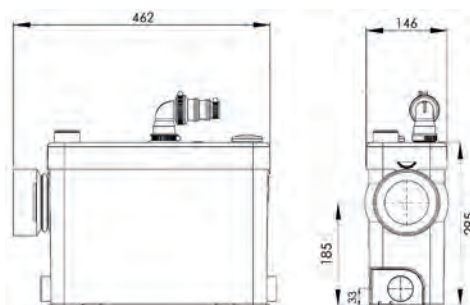
CURVE

Discharge height (m)



Flow rate (l/min)

DIMENSIONS



Dimensions (mm)



WHY SANICOMPACT?

Comfortable and reliable with a contemporary design, the products in the Sanicompact range are the solution for installing sanitary fixtures in small spaces.

In order to meet expectations in terms of space planning, SFA has expanded its range of macerators. When the space available for fitting out new sanitary fixtures is reduced, the Sanicompact range is an aesthetic and efficient answer.

Equipped with an integrated macerator, these ceramic bowls are space-saving. Floor-mounted or wall-hung, these solutions are ideal for fitting out a studio, closet or space under the stairs. They also provide an option to connect a washbasin in addition to the toilet.









BEFORE



AFTER



Sanicompact

		 Toilet	 Wall-hung toilet	 Wash basin	 Eco+ Dual-flush system
 <p>Sanicompact Pro Compact and contemporary design</p>		•		•	✓
 <p>Saniflush Entirely ceramic complete toilet with efficient maceration system</p>		•		•	✓

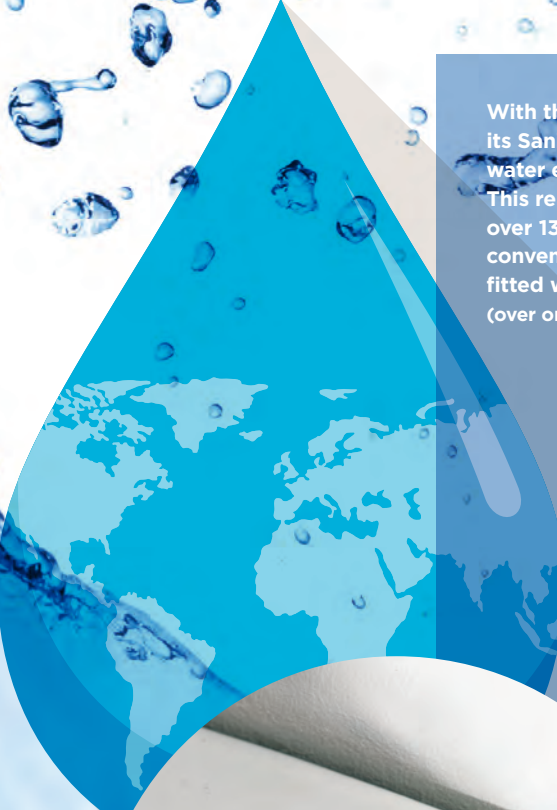
- PRODUCTS WITH A CONTEMPORARY DESIGN AND EQUIPPED WITH SILENCE TECHNOLOGY
- AN ENVIRONMENTALLY-FRIENDLY RANGE:
WATER AND ENERGY EFFICIENT THANKS TO THE DUAL FLUSH SYSTEM
- COMFORT OF USE WITH THE SOFT-CLOSE TOILET SEAT AND LID
- GUARANTEED HYGIENE THANKS TO THE ANTI-LIMESCALE CERAMIC AND AN ANTIBACTERIAL LID

ECO+ DUAL-FLUSH SYSTEM

FOR OVER 60 YEARS, SFA HAS BEEN CONSTANTLY REINVENTING ITSELF AND INNOVATING.

Since 2009, the company has been involved in environmental protection by extending the ECO+ system to its entire Sanicompact range.

This system provides a dual flush using only 1.8 or 3 liters of water.



With this system, SFA establishes its Sanicompact range as the most water efficient on the market. This represents water savings of over 13,000 L (13 m³) compared to a conventional toilet fitted with a 3 L/6 L flush (over one year for a family of 4 people).

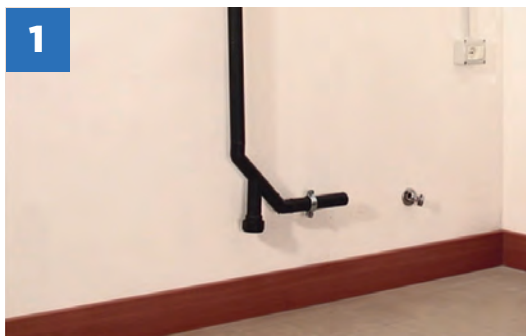


A Sanicompact saves more than 5,200 L compared to any other equivalent macerators on the market.

HOW TO INSTALL A SANICOMPACT?

To install the Sanicompact you must have: a water inlet + a water outlet + a power socket.

Connect your Sanicompact to the cold water supply pipe.



1



2



3



4

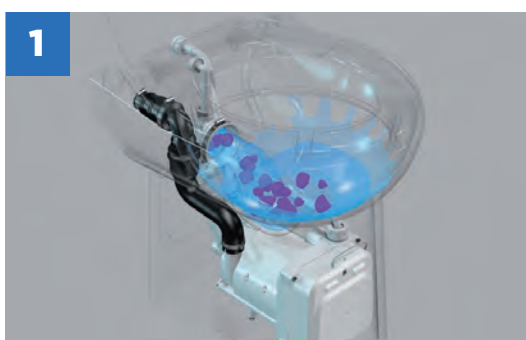
Connect the Sanicompact drainage elbow to your PVC pipe and connect it to your main drain.

Connect the Sanicompact to your 230V socket: and it works!

HOW DOES IT WORK?

Pressing the flush button starts a new program, firstly activating the bowl rinse.

The motor starts up: water and matter are sucked out.



1



2



3



4

Finely ground matter is expelled. A check valve prevents the return of wastewater.

The macerator is ready for use again.



Sanicompact Pro

A nice designed WC unit with a built-in macerator that's perfect for a small cloakroom in your home.



PRODUCT BENEFITS

- Can be installed in place of a bidet.
- Needs no cistern to make the most all the smallest spaces.
- Possible to connect a hand wash basin .
- Flow rate > 100 l/min

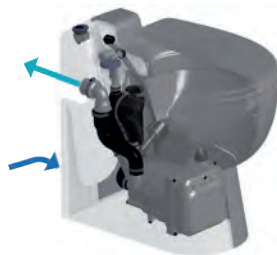
CONNECTIONS

← Discharge diameter ext. : 32 mm

→ External inlet diameter : 40 mm



Multi-cutter disc

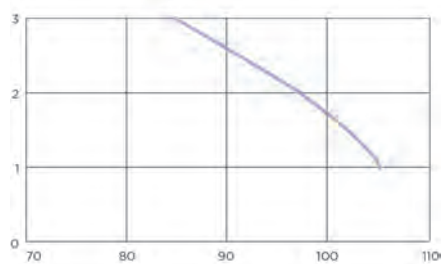


PACKAGING

Non-return valve, floor fixings supplied, drop-brake flap detachable

CURVE

Discharge height (m)

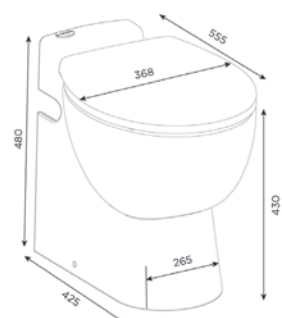


Flow rate (l/min)

TECHNICAL FEATURES

Number of entries	1
External inlet diameter	40 mm
Discharge diameter ext.	32 mm
Max. incoming temperature	35 °C
Flush volume	1.8/3 L
Voltage - Frequency	220-240 V - 50-60 Hz
Motor power	550 W
IP Rating	IP44
Electrical class	I
Noise level	51 dB(A)
Identification and logistics	
Gross weight	31 kg
Factory code	C11LV

DIMENSIONS



Dimensions (mm)

Saniflush



Classic design traditional bowl base with a hidden macerator. Very easy to clean with flangeless system.



5 m
100 m



BY Cert. 6045364



PRODUCT BENEFITS

- Classic design with traditional bowl base.
- Can be connected to a wash-hand basin and shower.
- Easy access to the grinder by sliding the ceramic block.
- Flange-free, easy to clean.
- Easy access to the macerator by sliding the ceramic block.
- Spiral flush system 3 - 6 l.

CONNECTIONS

← Discharge diameter ext. :
32 mm

→ External inlet diameter :
40 mm



Single blade cutter



TECHNICAL FEATURES

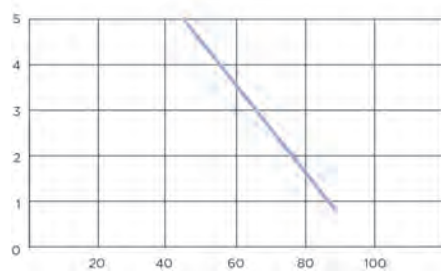
Number of entries	2
External inlet diameter	40 mm
Discharge diameter ext.	32 mm
Min. shower tray height	15 cm
Max. incoming temperature	35 °C
Flush volume	3/6 L
Voltage - Frequency	220-240 V - 50-60 Hz
Motor power	400 W
IP Rating	IP44
Electrical class	I
Noise level	46 dB(A)
Identification and logistics	
Gross weight	56 kg
Factory code	SANIFLUSH

PACKAGING

Non-return valve, floor fixings included, drop-down flap

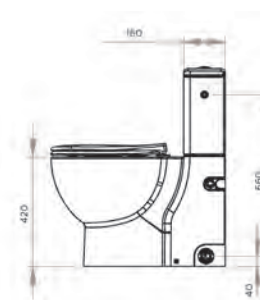
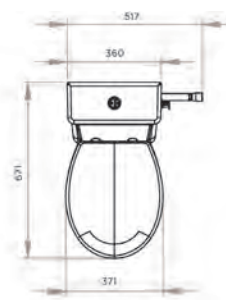
CURVE

Discharge height (m)



Flow rate (l/min)

DIMENSIONS



Dimensions (mm)

WHY GREY WATER PUMP?

SFA designs grey water pumps solutions that are easy to install, with no major works needed. Among these is the domestic pumps range, ideal for easily creating a new bathroom, kitchen, or laundry room.

SFA pumps help you to create a new bathroom, kitchen or laundry room wherever you want in the house, even in the absence of gravity drainage.

Easy to install, these small size pumps can be placed inside a cabinet. They are also extremely quiet. An ideal solution for creating an additional shower room and increasing privacy when friends are visiting or your family grows. What's more, this investment also increases the property's value. In fact, it is estimated that creating an additional shower room increases a property's value by almost 10%.

BEFORE



AFTER

Grey water pumps



	 Walk-in shower	 Shower tray	 Tiled shower tray	 Shower cubicle	 Bidet	 Wash basin	 Bath	 Washing machine	 Dish washer	 Sink
 <p>Sanishower Pump suitable for standard shower tray</p> <p>p.28</p>	•		•	•	•					
 <p>Sanispeed Pump suitable for installing a laundry room or a kitchen</p> <p>p.29</p>				•	•	•	•	•	•	•
 <p>Sanivite Pump suitable for installing a kitchen</p> <p>p.30</p>				•	•	•	•	•	•	•

- MULTIPLE FITTING OPTIONS: EASY TO INSTALL AND COMPACT
- A BATHROOM, A LAUNDRY ROOM OR A KITCHEN WHEREVER YOU WANT WITHOUT MAJOR WORK!

Sanishower



A compact pump designed to be installed next to or underneath a shower tray with access for maintenance.



4 m
40 m



BV Cert. 6045364

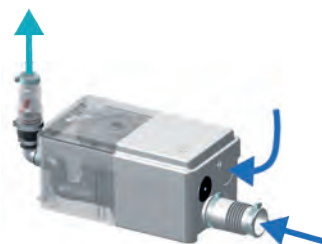


PRODUCT BENEFITS

- Pump suitable for standard shower tray.
- Low noise level.
- Aesthetic design for discreet installation.
- Low starting level.

CONNECTIONS

- ← Discharge diameter ext. : 32 mm
- External inlet diameter : 32, 40 mm



TECHNICAL FEATURES

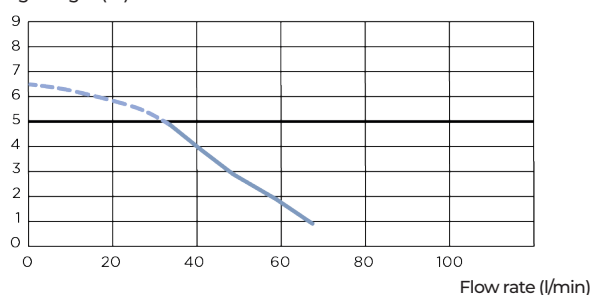
Number of entries	2
External inlet diameter	32, 40 mm
Discharge diameter ext.	32 mm
Min. shower tray height	12 cm
Max. incoming temperature	35 °C
Voltage - Frequency	220-240 V - 50-60 Hz
Motor power	250 W
IP Rating	IP44
Electrical class	I
Noise level	46 dB(A)
Identification and logistics	
Gross weight	4.6 kg
Factory code	D2STD

PACKAGING

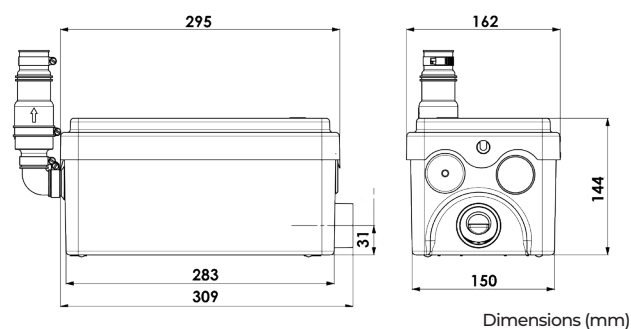
Sanishower, check valve, connectors

CURVE

Discharge height (m)



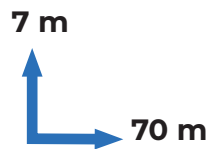
DIMENSIONS



Sanispeed



Ideal for light commercial environments such as small shops, cafes, offices, bars and dental surgeries.



PRODUCT BENEFITS

- Ideal for installing a professional kitchen.
- Water softener compatible.
- Flow rate: 110 L/min.

CONNECTIONS

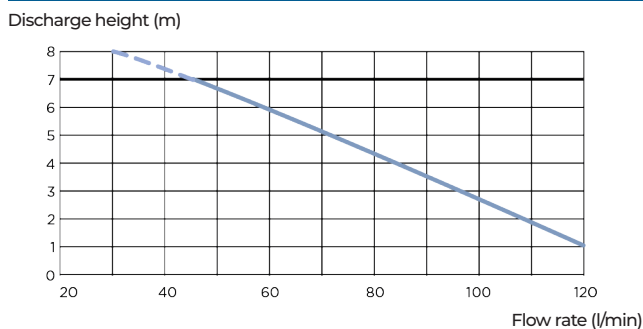
- ← Discharge diameter ext.: 32 mm
- External inlet diameter: 40 mm



PACKAGING

Non-return valve, connectors, incl. activated carbon filter to neutralise odours

CURVE



TECHNICAL FEATURES

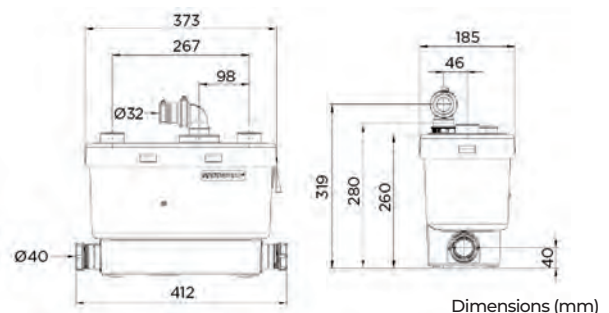
Number of entries	4
External inlet diameter	40 mm
Discharge diameter ext.	32 mm
Min. shower tray height	15 cm
Max. incoming temperature	75°C intermittently (max. 5 min)
Voltage - Frequency	220-240 V - 50-60 Hz
Motor power	400 W
IP Rating	IP44
Electrical class	I
Noise level	42 dB(A)
Identification and logistics	
Gross weight	7 kg
Factory code	SSPSTD

OPTIONAL EXTRAS

Sanialarm
Factory code : ALARM
See pg. 31



DIMENSIONS



Sanivite



Ideally suited to a kitchen or utility room with four inlets for connection to domestic sinks or appliances.



5 m
50 m



BV Cert. 00H5364



PRODUCT BENEFITS

- Pump suitable for installation in a laundry room or kitchen.
- Low level switch-on.
- Carbon filter included.

CONNECTIONS

← Discharge diameter ext. : 32 mm

→ External inlet diameter : 40 mm

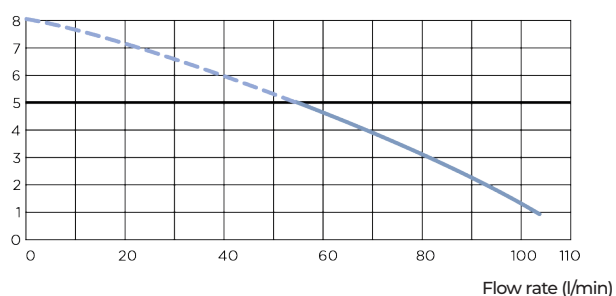


PACKAGING

Non-return valve, connectors, activated carbon filter included to neutralise odours

CURVE

Discharge height (m)



TECHNICAL FEATURES

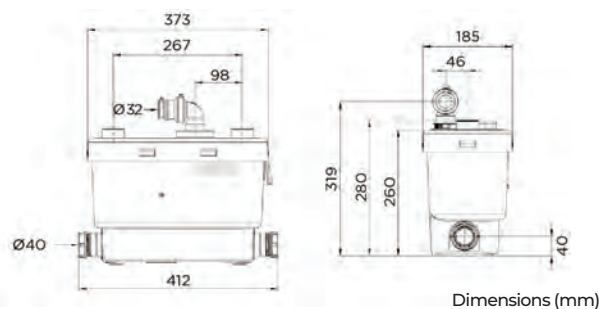
Number of entries	4
External inlet diameter	40 mm
Discharge diameter ext.	32 mm
Min. shower tray height	15 cm
Max. incoming temperature	60°C intermittently (max. 5 min)
Voltage - Frequency	220-240 V - 50-60 Hz
Motor power	400 W
IP Rating	IP44
Electrical class	I
Noise level	42 dB(A)
Identification and logistics	
Gross weight	6.2 kg
Factory code	SVSTD

OPTIONAL EXTRAS

Sanialarm
Factory code : ALARM
See pg. 31



DIMENSIONS



Dimensions (mm)

Sanialarm

An original concept

Occasional power outages, scaling of poorly maintained old appliances or even problems with clogged pipes, are all factors in significant variation of the water level permanently contained in an SFA macerator or pump.

To tackle this kind of unpredictability, SFA offers an efficient solution that provides instant alerts to avoid inappropriate use and take immediate action.

Reference
EAN 3308810042799
ALARM



Works with all models in the SFA adaptable macerators range (previous and current), as well as the Sanispeed and the Sanivite. The Sanialarm works with 2 1.5 V batteries (not supplied)

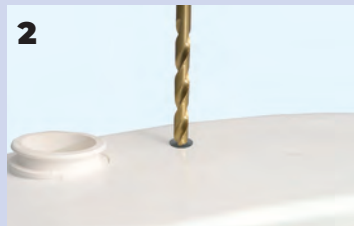
How does it work?

The Sanialarm attaches to the cover of the SFA device. It consists of a level pressure switch which automatically activates the warning buzzer when the water volume exceeds the maximum permitted level. The alarm then produces an intermittent sound until it is silenced and the problem resolved.

Easily install the Sanialarm



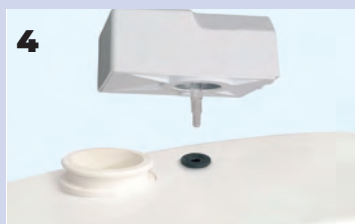
1 Insert 2 standard 1.5V batteries (not supplied) into the unit.



2 Drill a 10 mm diameter hole in the location shown on the appliance hood.



3 Coat with silicone grease before inserting the pressure switch tube of the Sanialarm.



4 Attach the Sanialarm inside the opening of the tube.



5 Switch to the ON position.

**BEFORE HANDLING:
DISCONNECT
THE POWER SUPPLY
FROM THE
MACERATOR.**

WHY SANICLIM?

Air conditioners generate condensate, which may need to be removed to drain them discreetly.

To meet this need, SFA offers solutions to remove condensates from air conditioners with a cooling capacity of up to 8 kW.

Ensure that the pump is suitable for your air conditioner:

It is generally accepted that the volume of condensate water to be drained is approximately 0.5 to 0.8 L/hr per kW of cooling capacity (this value can increase sharply in areas with very high humidity). This means that for a 5 kW air conditioner, for example, the volume of condensates to be drained will be 2.5 to 4 L/h.

To carry out a functional installation adapted to your air conditioner, it is important to consider the discharge losses: the suction height, the vertical delivery height and finally the horizontal discharge length.

WHY SANICONDENS?

Condensate from boilers is not always able to drain through with gravitational flow.

This is why SFA provides a condensate evacuation pump: for gas and oil boilers, for small kitchen boilers as well as for large capacity boilers (up to 50 kW).









According to legislation, condensates emitted by combustion appliances must only flow out via drainage systems resistant to wastewater with a pH value below 6.5.

These pumps are also compatible with heat pumps and thermodynamic flasks.

National and local regulations may require pre-treatment of condensates.

Condensate pump for air conditioners and boilers



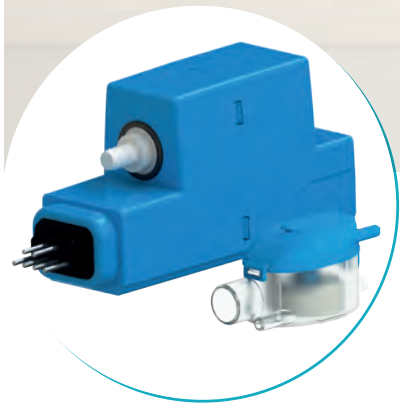
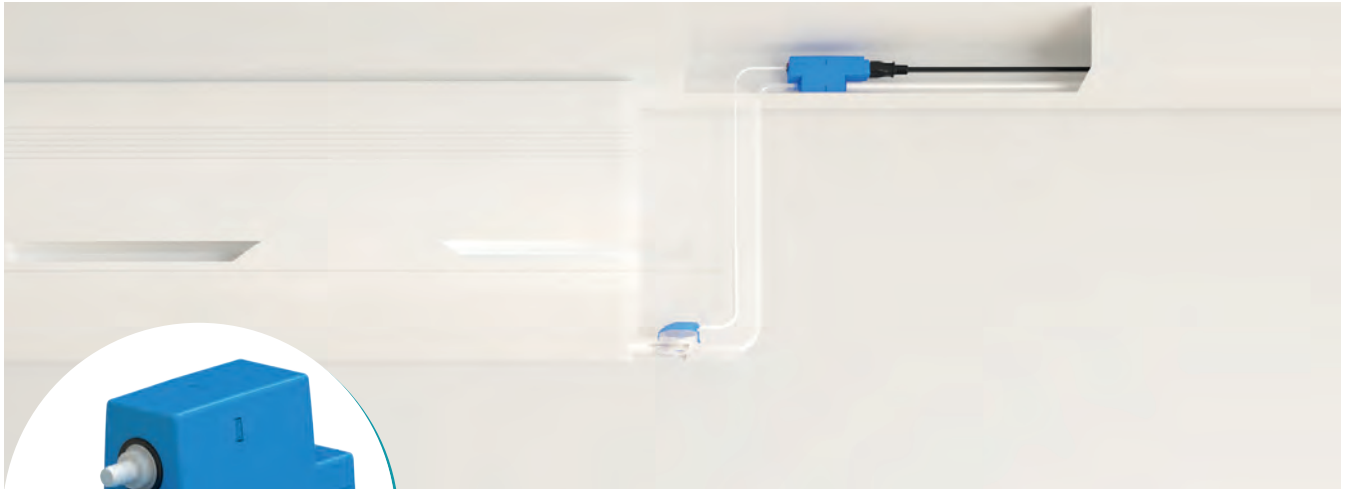
	 GAS boiler	 OIL boiler	 Air conditioner	 Refrigerated display	 Dehumidifier	 Air conditioning box
 <p>Sanicondens Clim mini S Extremely compact design for a completely discreet installation</p> <p>p.34</p>			•			
 <p>Sanicondens Pro All accessories as standard and an alarm pre-connection</p> <p>p.35</p>	MAXIMUM 50 kW	MAXIMUM 30 kW	•	•	•	•

- DISCREET INSTALLATION THANKS TO ITS COMPACT SIZE
- A SILENT RANGE FOR QUIET OPERATION
- PUMPING PERFORMANCE: UP TO 6 M
- EASY ASSEMBLY THANKS TO THE FIXING KIT SUPPLIED
- SEVERAL INLETS AVAILABLE FOR GREATER FLEXIBILITY OF INSTALLATION (Sanicondens Pro)



Sanicondens Clim Mini S

Specifically designed to expel the condensate from air conditioning units.



6 m
↑

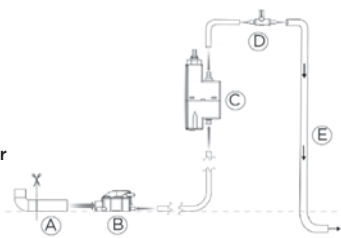


PRODUCT BENEFITS

- Compact solution for discreet installation.
- Silent: only 21 dB(A).
- Safety system: 130 °C thermal protector and overflow alarm.
- Easy to check: transparent base.

CONNECTIONS

- (A) condensate tank
- (B) level sensor
- (C) pump unit
- (D) anti-siphoning vacuum breaker
- (E) waste water pipe



TECHNICAL FEATURES

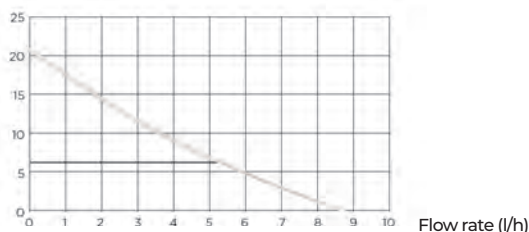
Max. power of the boiler	8 kW
Inlet diameter DN	16 mm
Discharge diameter DN	6 mm
Max. flow rate	9 l/h +/-15%
Max. incoming temperature	35 °C
Max. suction distance between the detection bloc and the pump	2 m
Voltage - Frequency	220-240 V - 50-60 Hz
Max. power consumption	22 W
IP Rating	IP24
Noise level	21 dB(A)
Identification and logistics	
Factory code	CLIMMINI3S

PACKAGING

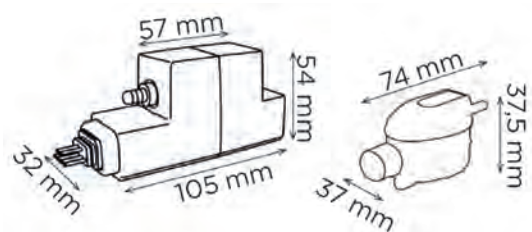
Sanicondens Clim mini pump, detection unit, 1.2 m flexible hose, mounting bracket, vent tube, power cable supplied

CURVE

Discharge height (m)

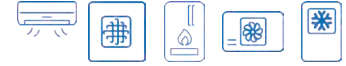


DIMENSIONS



Dimensions (mm)

Sanicondens Pro



Specifically designed for disposal of acidic concentrate from boilers and other water producing equipment.



4.5 m
50 m



BV Cert. 6045364

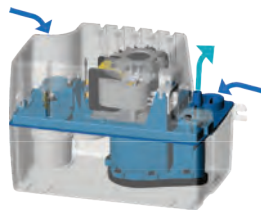


PRODUCT BENEFITS

- Compact and silent solution.
- Connections possible with gas and oil boilers (using Sanineutral or Sanineutral Mini), floor and wall mounted units, refrigerated display cabinets,.
- air conditioners, air conditioning cassettes and dehumidifiers.
- Alarm pre-connection.
- Easy installation: complete kit included.

CONNECTIONS

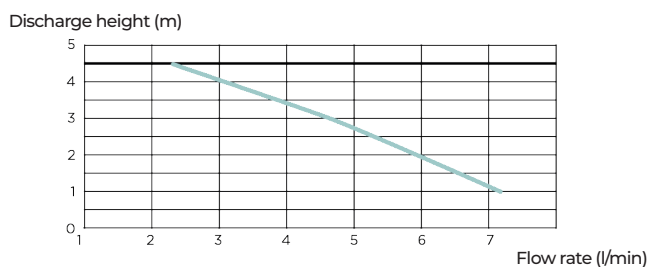
- ← Discharge diameter (int.) : 10 mm
- Inlet diameter DN : 28 mm



PACKAGING

Sanicondens Pro, non-return valve included, fixing screw, 1 inlet adapter, 1 outlet adapter (Ø 50 mm), 1 drain hose 5 m, 1 power cable 1.5 m, 1 rubber stopper, 1 alarm pre-connection cable

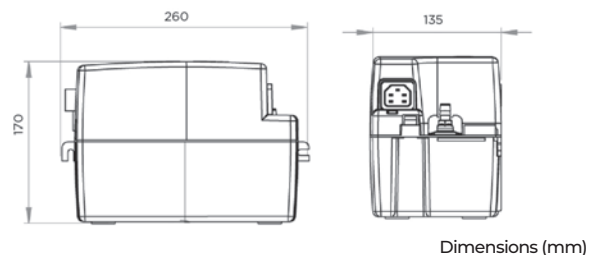
CURVE



TECHNICAL FEATURES

Max. power of boiler	Oil 30, Gas 50 kW
Number of entries	2
Inlet diameter DN	28 mm
Discharge diameter (int.)	10 mm
Tank volume	2.2 L
Max. incoming temperature	80 °C (S3 15%)
Voltage - Frequency	220-240 V - 50-60 Hz
Max. power consumption	60 W
Maximum current	0.52 A
Electrical class	I
IP Rating	IP24
Noise level	< 45 dB(A)
Alarm pre-connection	yes
Identification and logistics	
Gross weight	3 kg
Factory code	SK6

DIMENSIONS



WHY SANISUB?

The SFA Sanisub range for all water discharge needs

Complete range of cellar pumps, dedicated to water lifting and more precisely to the evacuation of water from cellars, laundries, garages and other spaces subject to accidental and temporary flooding.

The Sanisub range offers steel and polypropylene bodies. Free passage from 1 to 30 mm and automatic starting with float or electronic level control. Sanisub range offers also solutions for aggressive water and hot water up to 90°C.



Cellar pumps



			Clear waters		Dirty water			Rain water	Wastewater: grey water	Corrosive water and/or saline water	 Individual
			Water boreholes, wells, sumps, swimming pools		Flood waters, cellar drainage, run-off water, etc.						
			Solid handling capacity < 1 mm	Solid handling capacity < 10 mm	Solid handling capacity < 30 mm						
	Sanipuddle Leave only 1 mm	p.38	•								✓
	Sanisub 400 7 m immersion depth	p.40	•	•				•			✓
	Sanisub Steel Stainless steel cellar pump	p.42	•	•				•			✓
	Sanisub ZPK 40A To empty a cellar	p.44	•	•	•			•			✓
	Sanipump ZPG 71 To drain rain water	p.46	•	•	•		•	•			✓
	Sanipump ZFS 71 Grinder pump	p.48	•	•	•			•	•		✓
	Sanipump SLD To drain rain water	p.50	•	•	•		•	•			✓

CELLAR PUMPS

- EASY TO USE
- PERFECT FOR EMERGENCY PUMPING
- HANDHELD
- AUTOMATIC RELEASE INCLUDED OR OPTIONAL ACCORDING TO THE MODEL

Sanipuddle

Sanipuddle is a puddle sucking pump with handling capacity up to 1 mm of water, designed to lift clear water from cellars, laundries, swimming pool floors, spas or lift shafts etc. Sanipuddle can lift the water up to 7 m. Non-return valve and grooved fitting included. An electronic control level is available as an option.



7 m



PERFORMANCES

- Total manometric head : 7 m
- Max. flow rate : 5.5 m³/h

PACKAGING

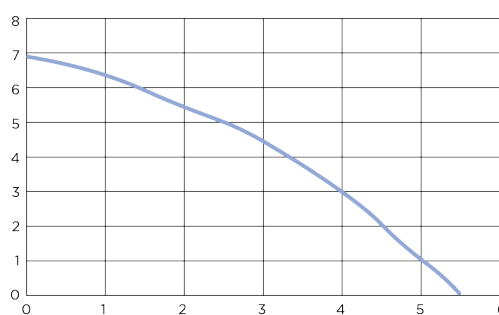
Sanipuddle pump, 10 m supply cable, non-return valve

PRODUCT BENEFITS

- High-quality polypropylene and stainless steel pump.
- Drains up to 1 mm of water.
- Double mechanical watertight seal.
- Integrated non-return valve and vertical pressure release 1-1/4" with DN 25
- hose connector.
- Multi-channel wheel.

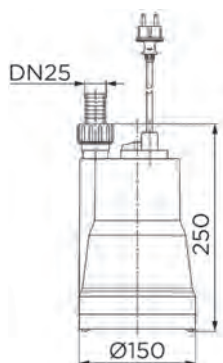
CURVE

Discharge height (m)



Flow rate (m³/h)

DIMENSIONS



Dimensions (mm)

	Sanipuddle
Material	
Shaft	Stainless steel
Pump housing	PP GF
Waterproofing	Carbon/ceramic/NBR
Motor housing	Stainless steel
Impeller	PA 6 GF
Electrical features	
Voltage (V)	230
Frequency (Hz)	50-60
Power consumption P1 (W)	300
Power output P2 (W)	160
RPM (revolution per minute)	2800
Electrical class	I
Immersion depth (m)	5
Power cable : Length (m)	10
Hydraulics	
Total manometric head (m)	7
Max. flow rate (m ³ /h)	5.5
Discharge diameter G (inches)	1
Particle size (mm)	1
Max. temperature of the pumped liquid (5 min)	70 °C
Type of impeller	Multi-channel
Type of activation	Manual
Identification and logistics	
Gross weight (kg)	3.77
Factory code	SANIPUDDLE-001

OPTIONAL EXTRAS

Electronic level control for Sanipuddle



The electronic level controller is used for controlling the level of fluids in tanks or pits when very precise control is required or when the level of fluids must be very low. It consists of 4 stainless steel electrodes, an electrode holder, a mounting bracket, a 10 m cable and a plug-in control adapter.

Factory code : HYDRO-00048

Sanisub 400

Sanisub 400 is a submersible clear water pump for flood water from living rooms or cellars. It can lift water up to 7.5 m. It is triggered automatically thanks to its integrated lever float. Versatile, it can be transformed into a low suction pump for residual water by using its removable strainer and the float lock for continuous operation.



7.5 m



PERFORMANCES

- Total manometric head : 7.5 m
- Max. flow rate : 7 m³/h

PRODUCT BENEFITS

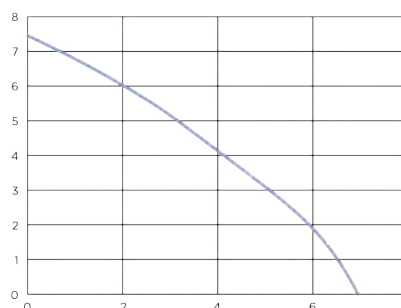
- Automatic release.
- 7 m immersion depth.
- 5 mm suction without strainer.
- 10 mm grain size.
- Integrated non-return valve.
- Float lock ring included.

PACKAGING

Sanisub 400 pump, 10 m supply cable, 90° connection elbow, non-return valve

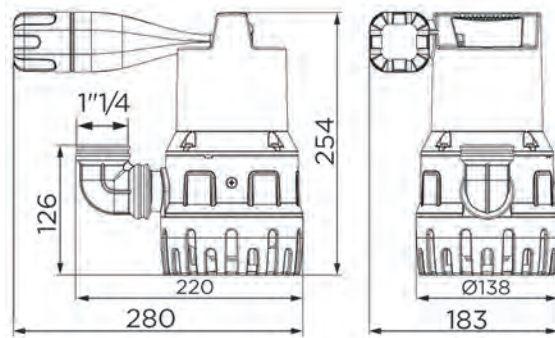
CURVE

Discharge height (m)



Flow rate (m³/h)

DIMENSIONS

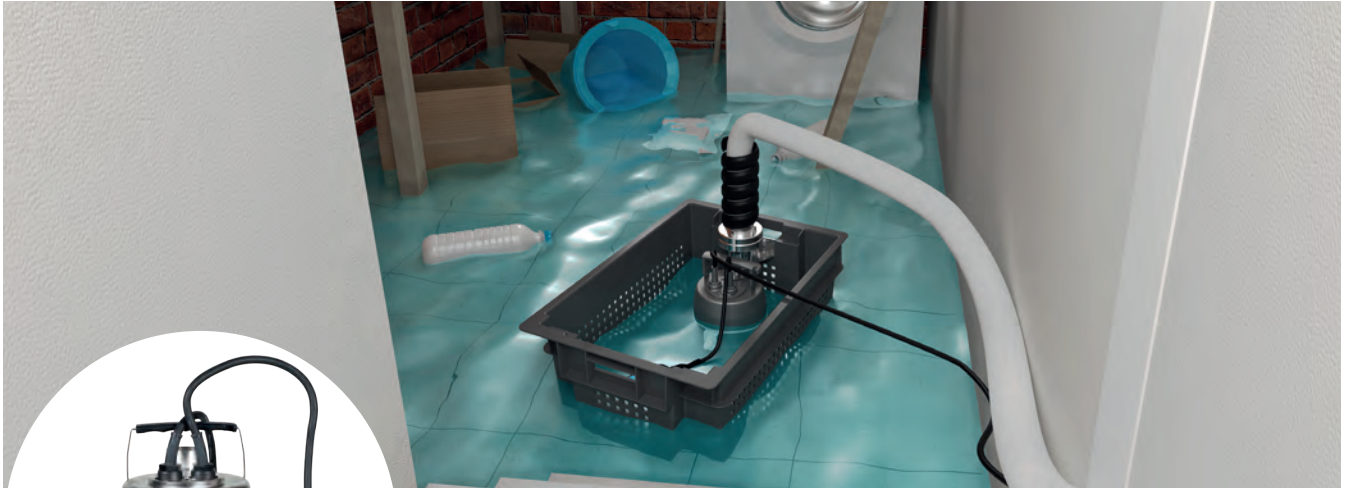


Dimensions (mm)

	Sanisub 400
Material	
Shaft	Stainless steel
Pump housing	PP GF
Waterproofing	NBR
Motor housing	Stainless steel
Impeller	PA 6 GF
Electrical features	
Voltage (V)	230
Frequency (Hz)	50-60
Power consumption P1 (W)	400
Power output P2 (W)	180
RPM (revolution per minute)	2800
Electrical class	I
Immersion depth (m)	7
Power cable : Length (m)	10
Hydraulics	
Total manometric head (m)	7.5
Max. flow rate (m ³ /h)	7
Discharge diameter G (inches)	1 1/4
ON Level /OFF level (mm)	200/50
Particle size (mm)	10
Max. temperature of the pumped liquid (5 min)	70 °C
Type of impeller	Multi-channel
Type of activation	Float
Identification and logistics	
Gross weight (kg)	4.6
Factory code	SANISUB-005

Sanisub Steel 50A

Sanisub Steel is a cellar pump designed for lifting clear, lightly contaminated water: basins, tanks and flooded cellars. Sanisub Steel is a stainless steel pump with optimised cooling. This pump can lift water up to 7.5 m with a grain size of 10 mm and a maximum temperature of 70°C.



7.5 m



PERFORMANCES

- Total manometric head : 7.5 m
- Max. flow rate : 9 m³/h

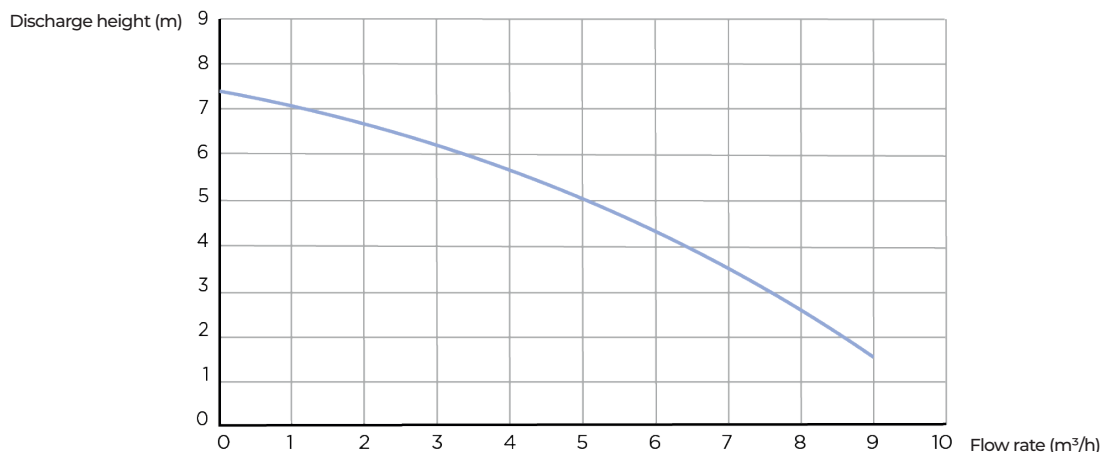
PRODUCT BENEFITS

- 10 mm grain size.
- 7.5 m lifting height.
- Optimised cooling.
- Modular connection via cable eye.

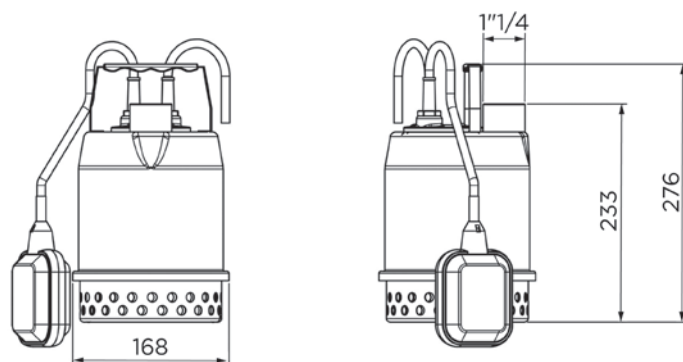
PACKAGING

10 m supply cable

CURVE



DIMENSIONS



Dimensions (mm)

Sanisub Steel 50A

Material	
Shaft	Stainless steel
Pump housing	Stainless steel
Waterproofing	Carbon/ceramic
Motor housing	Stainless steel
Impeller	PPO GF
Electrical features	
Voltage (V)	230
Power consumption P1 (W)	450
Power output P2 (W)	203
RPM (revolution per minute)	2800
Electrical class	I
Motor insulation class	F
Immersion depth (m)	5
Power cable : Length (m)	10
Hydraulics	
Total manometric head (m)	7.5
Max. flow rate (m ³ /h)	9
Discharge diameter G (inches)	1"¼
Particle size (mm)	10
Max. temperature of the pumped liquid (5 min)	70 °C
Type of impeller	Multi-channel
Type of activation	Float
Identification and logistics	
Gross weight (kg)	4.5
Factory code	SANISUBSTEEL-001

Sanisub ZPK

Sanisub ZPK is a cellar pump designed for pumping lightly laden water: cellars, garages and rainwater manholes.

It is resistant to hot water up to 90°C for short periods. Sanisub ZPK is triggered automatically by an adjustable float and can pump water up to 10 m with a grain size of 30 mm. It is supplied with a 90° connection bend of DN32 and a 10 m supply cable with plug.



10 m



PERFORMANCES

- Total manometric head : 10 m
- Max. flow rate : 10 m³/h

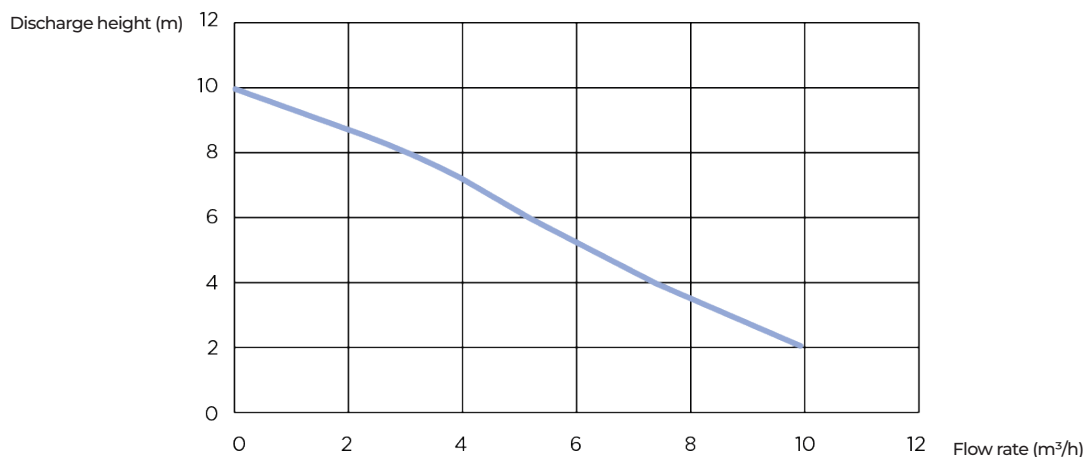
PRODUCT BENEFITS

- Lifting height up to 10 m.
- Solid handling capacity of 30 mm.
- Water resistance up to 90 °C (short periods).
- Adjustable engagement height via cable eye.

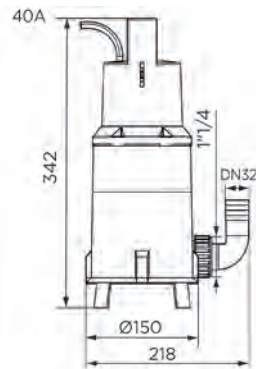
PACKAGING

Sanisub ZPK pump, 90° connection bend (DN 32), non-return valve, 10 m supply cable

CURVE



DIMENSIONS



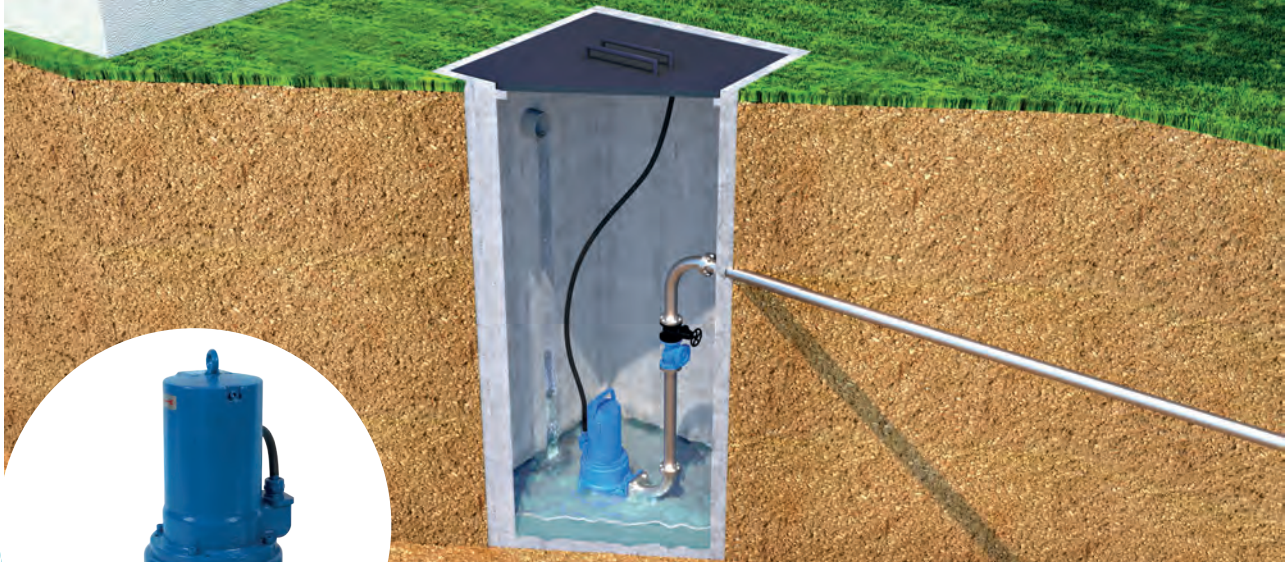
Dimensions (mm)

Sanisub ZPK 40 A

Material	
Shaft	Stainless steel
Pump housing	PP GF
Waterproofing	Carbon/ceramic
Motor housing	Stainless steel
Impeller	PA 6 GF
Electrical features	
Voltage (V)	230
Frequency (Hz)	50-60
Power consumption P1 (W)	850
Power output P2 (W)	430
RPM (revolution per minute)	2800
Electrical class	I
Immersion depth (m)	5
Power cable : Length (m)	10
Hydraulics	
Total manometric head (m)	10
Max. flow rate (m ³ /h)	10
Discharge diameter DN	32
Discharge diameter G (inches)	1 1/4
Particle size (mm)	30
Max. temperature of the pumped liquid (5 min)	90 °C
Type of impeller	Multi-channel
Type of activation	Float
Identification and logistics	
Gross weight (kg)	6.43
Factory code	SANISUB-002

Sanipump ZPG 71

Sanipump ZPG 71 is a cast iron submersible pump for pumping grey water and rainwater with a maximum lift height of 31 m and a free passage of 40 mm. Sanipump ZPG 71 can be installed in a manhole or pit. All accessories are available in option for installation on the floor or on a base. Sanipump ZPG 71 is available in 4 versions: 1 single-phase and 3 three-phase.



19 m



depending on model



PERFORMANCES

- Total manometric head : 31 m
 - Max. flow rate : 43 m³/h
- depending on model

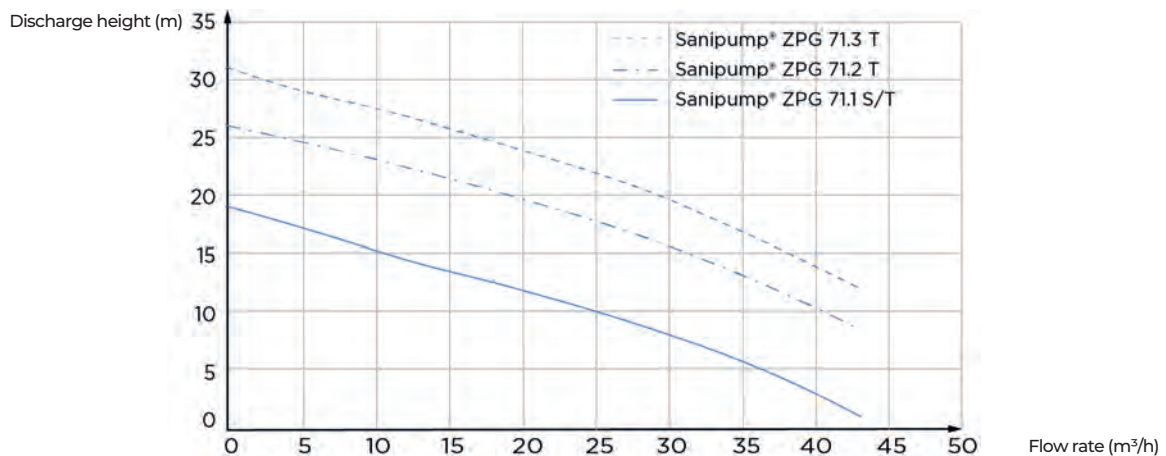
PRODUCT BENEFITS

- Rainwater lifting (S1 mode, if motor fully submerged).
- Integrated pump foot.
- Bi-channel impeller.
- 40 mm free passage.
- Available in 4 versions.

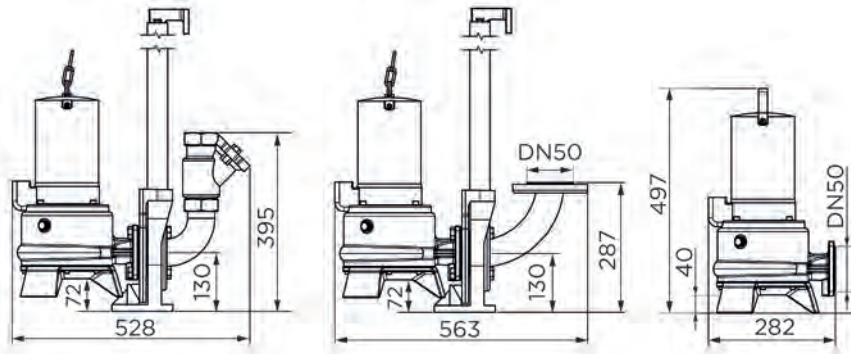
PACKAGING

Sanipump ZPG pump, stand

CURVE



DIMENSIONS



Dimensions (mm)

	Sanipump ZPG 71.1 S	Sanipump ZPG 71.1 T	Sanipump ZPG 71.2 T	Sanipump ZPG 71.3 T
Material				
Shaft	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Pump housing	GG-20	GG-20	GG-20	GG-20
Waterproofing	Carbon/ceramic	Carbon/ceramic	Carbon/ceramic	Carbon/ceramic
Foot	GG-20	GG-20	GG-20	GG-20
Motor housing	GG-20	GG-20	GG-20	GG-20
Impeller	GG-20	GG-20	GG-20	GG-20
Electrical features				
Voltage (V)	230	400	400	400
Frequency (Hz)	50-60	50-60	50-60	50-60
Power consumption P1 (W)	2200	2100	3900	3900
Power output P2 (W)	1600	1700	3200	3200
RPM (revolution per minute)	2800	2800	2800	2800
Electrical class	I	I	I	I
Motor insulation class	F	F	F	F
Submerged	S1	S1	S1	S1
Mode of operation	S3 40%	S3 40%	S3 40%	S3 40%
Immersion depth (m)	5	5	5	5
Power cable : Length (m)	10	10	10	10
Power cable : Type of cable, Section (mm ²)	S1BN8-F, 1,5	S1BN8-F, 1,5	S1BN8-F, 1,5	S1BN8-F, 1,5
Hydraulics				
Total manometric head (m)	19	19	26	31
Max. flow rate (m ³ /h)	43	43	43	43
Discharge diameter DN	50	50	50	50
Particle size (mm)	40	40	40	40
Max. temperature of the pumped liquid (5 min)	70 °C	70 °C	70 °C	70 °C
Type of impeller	Two-channel	Two-channel	Two-channel	Two-channel
Identification and logistics				
Gross weight (kg)	38	40	44	46
Factory code	ZPG-001	ZPG-002	ZPG-003	ZPG-004

Sanipump ZFS 71

Sanipump ZFS 71 is a cast iron submersible pump for lifting waste water (collective sanitary facilities) up to a height of 39 m. Sanipump ZFS 71 is equipped with a grinding wheel. It is available in single-phase and three-phase versions.



22 m



depending on model



PERFORMANCES

- Total manometric head : 39 m
 - Max. flow rate : 17 m³/h
- depending on model

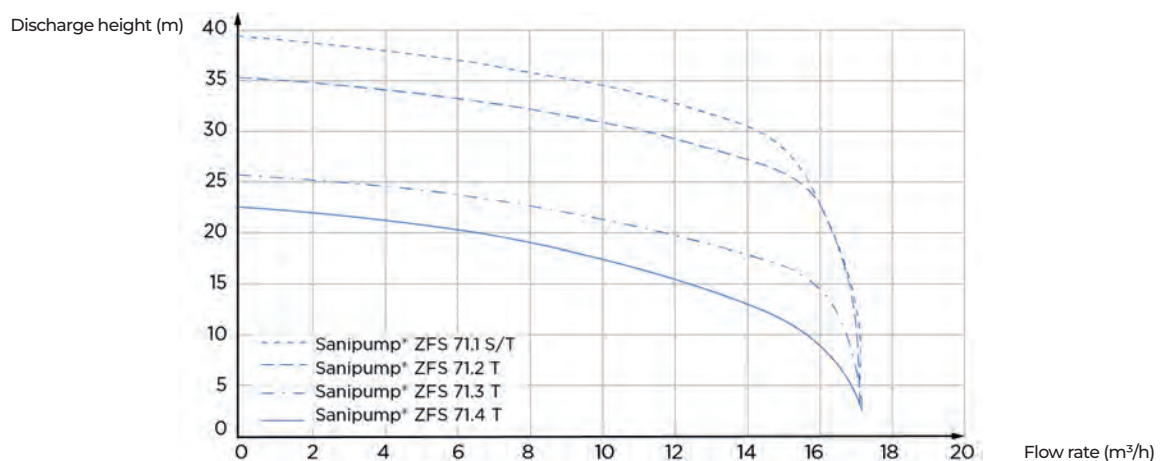
PACKAGING

Sanipump ZFS pump

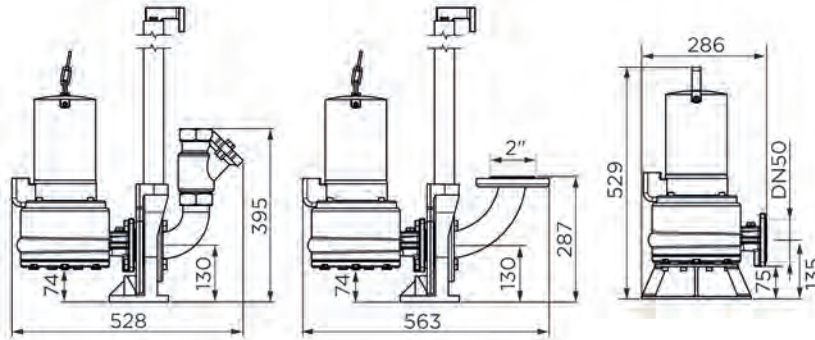
PRODUCT BENEFITS

- Expansion wheel.
- Mode S1 (if motor fully immersed).
- ATEX pump.
- 5 versions, single and three-phase.
- Discharge in DN50.
- Double mechanical seal.

CURVE



DIMENSIONS



Dimensions (mm)

	Sanipump ZFS 71.1 S	Sanipump ZFS 71.1 T	Sanipump ZFS 71.2T	Sanipump ZFS 71.3T	Sanipump ZFS 71.4T
Material					
Shaft	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Pump housing	GG-20	GG-20	GG-20	GG-20	GG-20
Waterproofing	Carbon/ceramic	Carbon/ceramic	Carbon/ceramic	Carbon/ceramic	Carbon/ceramic
Foot	GG-20	GG-20	GG-20	GG-20	GG-20
Motor housing	GG-20	GG-20	GG-20	GG-20	GG-20
Impeller	GG-20	GG-20	GG-20	GG-20	GG-20
Electrical features					
Voltage (V)	230	400	400	400	400
Frequency (Hz)	50-60	50-60	50-60	50-60	50-60
Power consumption P1 (W)	2200	2100	2100	3900	3900
Power output P2 (W)	1600	1700	1700	3200	3200
RPM (revolution per minute)	2800	2800	2800	2800	2800
Electrical class	I	I	I	I	I
Motor insulation class	F	F	F	F	F
ATEX	Yes	Yes	Yes	Yes	Yes
Submerged	S1	S1	S1	S1	S1
Mode of operation	S3 40%	S3 40%	S3 40%	S3 40%	S3 40%
Immersion depth (m)	5	5	5	5	5
Power cable : Length (m)	10	10	10	10	10
Power cable : Type of cable, Section (mm ²)	S1BN8-F, 1,5	S1BN8-F, 1,5	S1BN8-F, 1,5	S1BN8-F, 1,5	S1BN8-F, 1,5
Hydraulics					
Total manometric head (m)	22	22	25	35	39
Max. flow rate (m ³ /h)	17	17	17	17	17
Discharge diameter DN	50	50	50	50	50
Max. temperature of the pumped liquid (5 min)	70 °C	70 °C	70 °C	70 °C	70 °C
Type of impeller	Pro X K3 grinder	Pro X K3 grinder	Pro X K3 grinder	Pro X K3 grinder	Pro X K3 grinder
Identification and logistics					
Gross weight (kg)	38	38	38	42	42
Factory code	ZFS-001	ZFS-002	ZFS-003	ZFS-004	ZFS-005

Sanipump SLD 700

Sanipump SLD is a pump dedicated to high-flow rainwater up to 48 m³/h. It is available in single-phase or three-phase with a free passage of 50 mm thanks to its high-performance two-channel impeller. A version with a base foot for installation in a manhole as well as drainage kits and accessories are available. When 2 pumps are installed, it is recommended to install a ZPS control box.



14 m



depending on model



PERFORMANCES

- Total manometric head : 14 m
- Max. flow rate : 48 m³/h

depending on model

PACKAGING

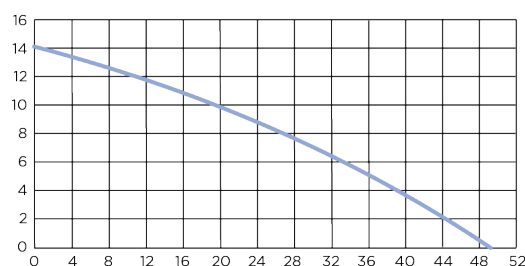
Sanipump SLD pump

PRODUCT BENEFITS

- High flow rates: up to 48 m³/hour.
- Submerged S1 mode.
- Rainwater discharge.
- Bi-channel wheel with 50 mm free passage.
- Single-phase or three-phase versions.
- Foot or coupling system.

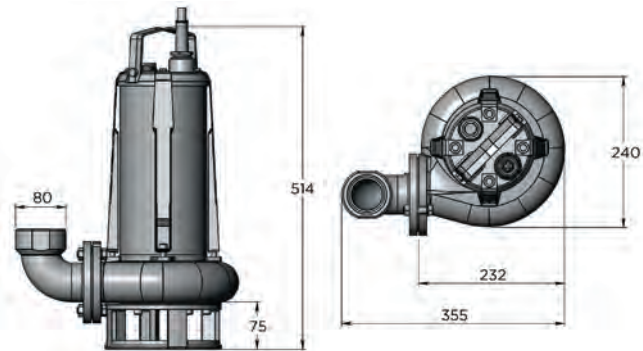
CURVE

Discharge height (m)



Flow rate (m³/h)

DIMENSIONS



Dimensions (mm)

	Sanipump SLD 700 S	Sanipump SLD 700 SA	Sanipump SLD 700 T
Material			
Shaft	Stainless steel	Stainless steel	Stainless steel
Pump housing	GG-20	GG-20	GG-20
Waterproofing	Carbon/ceramic/NBR	Carbon/ceramic/NBR	Carbon/ceramic/NBR
Foot	GG-20	GG-20	GG-20
Motor housing	GG-20	GG-20	GG-20
Impeller	GG-20	GG-20	GG-20
Electrical features			
Voltage (V)	230	230	400
Frequency (Hz)	50-60	50-60	50-60
Power consumption P1 (W)	2000	2000	2000
Power output P2 (W)	1100	1100	1100
RPM (revolution per minute)	2800	2800	2800
Electrical class	I	I	I
Motor insulation class	F	F	F
Submerged	S1	S1	S1
Immersion depth (m)	20	20	20
Power cable : Length (m)	10	10	10
Hydraulics			
Total manometric head (m)	14	14	14
Max. flow rate (m ³ /h)	48	48	48
Discharge diameter DN	50	50	50
Discharge diameter G (inches)	2	2	2
Particle size (mm)	50	50	50
Max. temperature of the pumped liquid (5 min)	70 °C	70 °C	70 °C
Type of impeller	Two-channel	Two-channel	Two-channel
Type of activation	-	Float	-
Identification and logistics			
Gross weight (kg)	32.5	32.8	31
Factory code	SLD-001	SLD-002	SLD-003

1 DETERMINE THE PEAK FLOW

This is the amount of water to be drained according to the type and number of sanitary fixtures connected to the pumping station.

The flow measures a volume per unit of time. It is expressed in cubic metres per hour (m³/hr) or litres per second (L/s).

ESTIMATED FLOW



On the basis of 1 residence comprising: 1 toilet, 1 bath, 1 shower, 1 washbasin, 1 sink, 1 washing machine, 1 dishwasher

Number of residences	Flow
1 residence (1 to 3 inhabitants)	2.5 m ³ /hr
Up to 2 residences (4 to 6 inhabitants)	5 m ³ /hr
Up to 4 residences (7 to 9 inhabitants)	10 m ³ /hr
Up to 6 residences (10 to 12 inhabitants)	15 m ³ /hr

2 CALCULATING THE TOTAL DYNAMIC HEAD (TDH)

TDH IS THE PRESSURE THAT THE PUMP MUST PROVIDE BETWEEN THE SUCTION POINT AND THE DISCHARGE POINT.

$$TDH = GEO H + H v$$

Geo H = Geometric height

This is the height of the discharge in metres.

H v = Total discharge losses in the discharge pipe (expressed in metres of water column).

There are 2 types of friction loss:

- regular (or linear) friction loss: these result from the friction of the fluid against the walls of the discharge pipe
- the singular discharge losses by friction: they come from accidents related to pipes (elbow, check valves, etc.)

These have to be added to the geometric height to determine the total dynamic head.

The value obtained in this table must be multiplied by the total length of the drainage pipe to obtain the total loss of loads.

TABLE OF DISCHARGE LOSSES

Flow in m ³ /hr	DN PN10 pressure PVC piping					
	DN 32 36.2/40	DN 40 45.2/50	DN 50 57/63	DN65 67.8/75	DN 80 81.4/90	DN 100 101.6/110
2	0.011					
3	0.022	0.008				
4	0.037	0.013				
5	0.054	0.019	0.006			
6	0.075	0.026	0.009			
7	0.099	0.034	0.011			
8	0.126	0.043	0.014	0.006		
9		0.054	0.018	0.008		
10		0.065	0.021	0.009		
12		0.090	0.029	0.013	0.005	
15			0.044	0.019	0.008	
20				0.032	0.013	0.005
25				0.048	0.020	0.007
30					0.028	0.010
40						0.016
50						0.024
60						0.033
70						0.044
80						0.056

HELP WITH CHOOSING THE LIFTING STATION

Once the total dynamic head and the peak flow have been determined, the pump's typical curve can determine its suitability for requirements.

The volume of the tank will then be determined in accordance with the specific constraints of each installation.

CASE STUDY

2 residences are connected to one lifting station. The station must discharge wastewater at a height of 4 m over a total pipe length of 10 m with a PVC 50 mm exterior.

- **Geometric height:** 4 m.
- **Table of discharge losses:** for 2 residences, we estimate the flow at peak times to be 5 m³/hr.

According to the discharge losses table, the height is: $0.019 \times 10 = 0.19$ m

→ **Therefore, the total dynamic head will be: 4 m + 0.19 m = 4.19 m**

→ The project therefore presents the following criteria:
TDH = 4.19 m and Flow = 5 m³/hr

- **Our client wants to install a floor-mounted pumping station in his basement.**

The Sanicubic range corresponds to his needs.

Analysis of the pump performance curve for the Sanicubic confirms to us that the Sanicubic 2 Classic station meets the needs of the installation.



GRINDER WHEEL PRO X K2

Sanicubic 1/1 WP
Sanicubic 2 Classic
Sanicubic 2 Pro/2 Pro Smart
Sanifos 110/280/610/1300
Sanipump GR



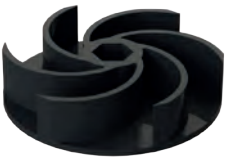
GRINDER WHEEL PRO X K3

Sanicubic 1 GR
Sanicubic 2 GR
Sanifos 1600/2100/3100
Sanipump ZFS 71



MULTI-CHANNEL WHEEL

Sanicom 1
Sanicom 2



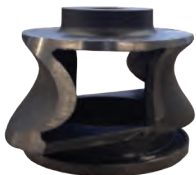
KX V6 VORTEX WHEEL

Sanicubic 1 VX
Sanicubic 2 VX
Sanifos 280/610/1300
Sanipump VX



SINGLE-CHANNEL WHEEL

Sanicubic 1 SC
Sanicubic 2 SC



TWO-CHANNEL WHEEL

Sanipump ZPG 71
Sanifos 1600/2100/3100



TWO-CHANNEL WHEEL

Sanipump SLD 700



HYDRAULICS

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The pump is the main element of the lifting station. It is expected to reliably pump away wastewater from an installation.

SFA is always innovating to continuously improve the performance of their pumps.

Their reliability and safety are guaranteed thanks to the multitude of tests carried out in our factories during the design process: two 100% electrical tests, a 100% leakage test and a functional test.

Floor-standing lifting stations














WHY SANICUBIC?

Since it is not always possible to install an underground lifting station, SFA offers the Sanicom and Sanicubic ranges!

These are pumping stations that can simply be placed on the ground for easy installation and maintenance.

Sanicom is for pumping grey water, while Sanicubic pumps both grey water and black water.

		 Individual	 Commercial	 Collective	Examples of use
	Sanicom® 1 Grey water p.56	✓	✓		<ul style="list-style-type: none"> • Bakeries, laboratories, smoothie bars: pumping for sinks, bars, dishwashers, glass washers • Hair salons: pumping for hair disposal trays in hair salons • Gymnasiums, restaurants, dental and veterinary practices: water pumping from sanitary facilities with sinks, showers and urinals • Bread oven: high temperature condensates drainage • Boiler room and softeners: grey water drainage • Production water drainage
	Sanicom® 2 Grey water p.58	✓	✓		
	Sanicubic 1 WP Wastewater p.60	✓			<ul style="list-style-type: none"> • Entire detached house: wastewater drainage • House extension or pool house design: wastewater drainage • Factory extension (design of sanitary fittings, toilet, sinks and urinals): wastewater drainage • Site base camp, cultural events: wastewater drainage • River developments, floating chalets, barges: wastewater drainage
	Sanicubic 2 Classic Wastewater p.62		✓		
	Sanicubic 1 GR Wastewater p.64		✓		
	Sanicubic 2 GR Wastewater p.66		✓		
	Sanicubic 1 VX Wastewater p.68	✓	✓		<ul style="list-style-type: none"> • Apartments: pumping starting from 2 apartments on the same station • Bars and restaurants: wastewater drainage • Stadiums: wastewater drainage • Hotels, camp sites, offices: wastewater drainage • Boats: wastewater drainage
	Sanicubic 2 VX Wastewater p.70		✓	✓	
	Sanicubic 1 SC Wastewater p.72		✓	✓	
	Sanicubic 2 SC Wastewater p.74		✓	✓	

- HIGH PERFORMANCE OPERATION WITH THE SFA GRINDER (EXCEPT SANICUBIC 1 VX, SANICUBIC 2 VX AND SANICOM)
- EASILY REMOVABLE MOTOR(S) AND LEVEL SENSOR(S)
- CONTROL UNIT SUPPLIED AS STANDARD (EXCEPT SANICUBIC 1 AND SANICOM 1)
- SECURE OPERATION WITH THE AUDIBLE AND VISUAL ALARM BOX
- LOW INLETS

Sanicom 1

corrosive and/or saline water, grey water

The Sanicom 1 station is designed to lift water from public places such as doctors' surgeries, showers in sports halls, laundrettes, pubs, hair salons etc. It can take water up to 90 °C for short periods of time. The station is equipped with a dip tube that controls the starting and stopping of the motor. A high level alarm is built into the unit. A remote audible and visual alarm is available as an option.



PERFORMANCES

- Total manometric head : 11 m
- Max. flow rate : 12 m³/h

PRODUCT BENEFITS

- Ability to pump grey water (except toilets) up to 90°C.
- Simple and easy installation without soil disbursement.
- Inlets on each side of the device for greater flexibility (ext. diameter 40).
- Removable motor and level sensors for ease of maintenance.



BV Cert. 0045364



OPTIONAL EXTRAS

Wired alarm box Sanicom 1



CONNECTIONS

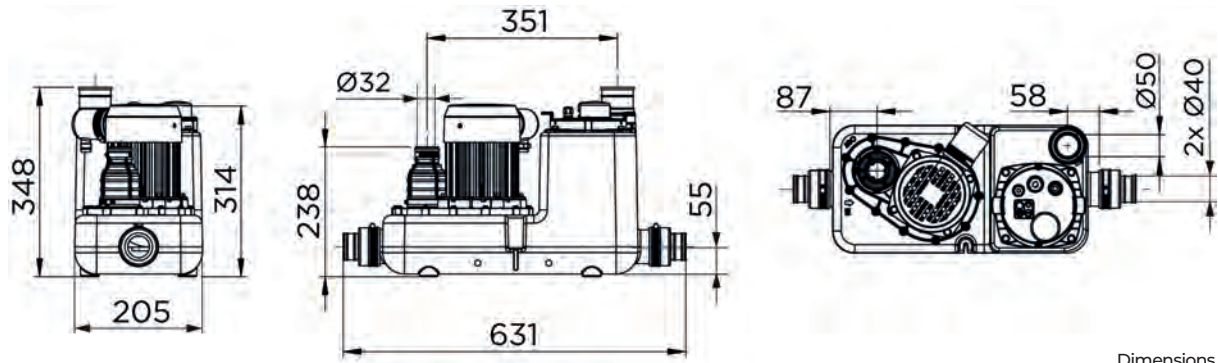


- ➔ External inlet diameter : 40, 50 mm
- ➔ Discharge diameter ext. : 32 mm
- ↔ Ext. ventilation diameter : 50 mm



Multi-channel

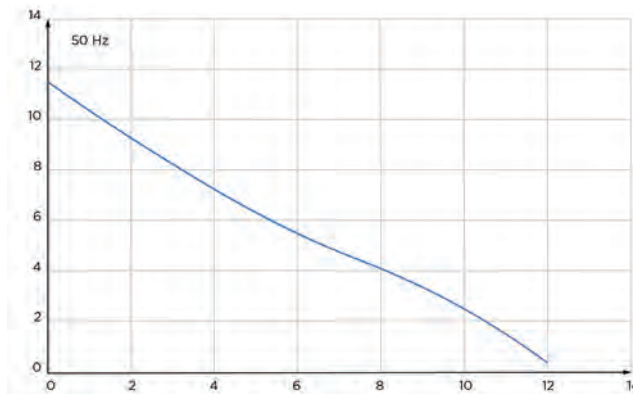
DIMENSIONS



Dimensions (mm)

CURVE

Discharge height (m)



Flow rate (m³/h)

Sanicom 1 v02

Type of control box	Integrated
Material	
Tank	PE
Pump housing	PA 12 GF
Motor housing	Aluminium
Impeller	PA 6 GF
Technical features	
Voltage (V)	230
Frequency (Hz)	50-60
Power consumption P1 (W)	750
Power output P2 (W)	525
IP Rating	IPX4
Hydraulics	
Total manometric head (m)	11
Max. flow rate (m ³ /h)	12
External inlet diameter (mm)	40, 50
Discharge diameter ext. (mm)	32
Ext. ventilation diameter (mm)	50
Total volume (L)	14
Useable volume (L)	5.7
ON Level /OFF level (mm)	135/50
Alarm level (mm)	205
Particle size (mm)	8
Max. temperature of the pumped liquid (5 min)	90 °C
Type of impeller	Multi-channel
Type of activation	Pneumatic
Identification and logistics	
Gross weight (kg)	11.5
Factory code	COM1002

Sanicom 2

corrosive and/or saline water, grey water

Sanicom 2 is a two-pump lifting station designed for commercial use. It removes grey water up to 90 °C (max 5 mins) from restaurant kitchens, laundries, doctors' surgeries, pubs, hair salons etc. Sanicom 2 consists of 2 independent pumps. The second pump assists the first in case of a sudden large water supply. The tank is equipped with 2 immersion tubes controlling the motor on the one hand and the alarm system on the other. A remote wired alarm is available as an option.



PERFORMANCES

- Total manometric head : 15 m
- Max. flow rate : 16 m³/h

PRODUCT BENEFITS

- Ability to pump grey water up to 90 °C.
- Easy installation without soil disbursement.
- 2 low side inlets Ø ext. 80 (connections possible in Ø ext. 50 or Ø ext. 40).
- Supplied with remote control unit: 2 alternating pumps for more intensive use.
- Removable motors and level sensors.
- for ease of maintenance.



BV Cert. 0045364



DELIVERED AS STANDARD

Classic control Box

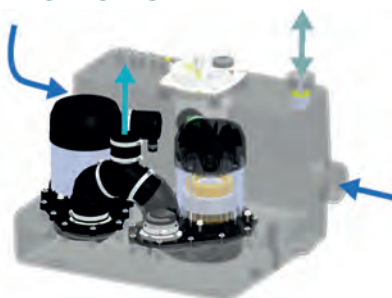


OPTIONAL EXTRAS

Wired alarm box Sanicom 2



CONNECTIONS



External inlet diameter : 40, 50, 80 mm

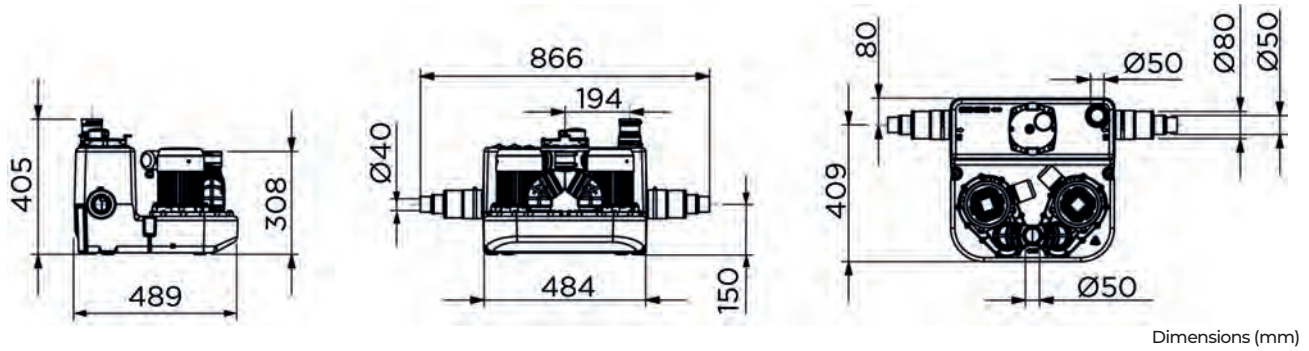
Discharge diameter ext. : 50 mm

Ext. ventilation diameter : 50 mm

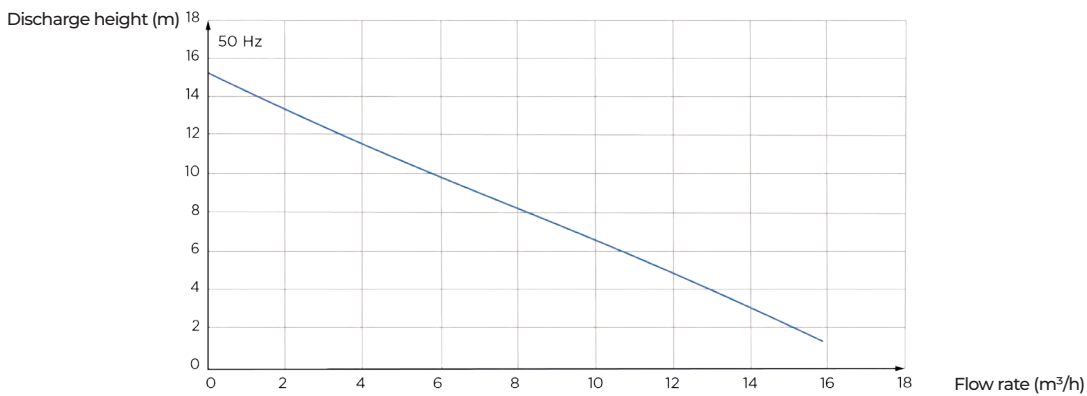


Multi-channel

DIMENSIONS



CURVE



Sanicom 2 v02

Type of control box	Classic control Box
Material	
Tank	PE
Pump housing	PA 12 GF
Motor housing	Aluminium
Impeller	PA 6 GF
Technical features	
Voltage (V)	230
Frequency (Hz)	50-60
Power consumption P1 (W)	1500
Power output P2 (W)	1050
IP Rating	IPX4
Hydraulics	
Total manometric head (m)	15
Max. flow rate (m ³ /h)	16
External inlet diameter (mm)	40, 50, 80
Discharge diameter ext. (mm)	50
Ext. ventilation diameter (mm)	50
Total volume (L)	34
Useable volume (L)	13
ON Level /OFF level (mm)	145/60
Alarm level (mm)	215
Particle size (mm)	8
Max. temperature of the pumped liquid (5 min)	90 °C
Type of impeller	Multi-channel
Type of activation	Pneumatic
Identification and logistics	
Gross weight (kg)	25
Factory code	COM2002

Sanicubic 1 WP

grey water, black water

Sanicubic 1 WP lifting station is designed for individual use (house, small commercial premises) and collects all waste water from toilets, bathrooms, kitchens or laundry rooms. The unit benefits from the Pro X K2 grinding technology removing waste water through small 50 mm diameter ext. pipe.



PERFORMANCES

- Total manometric head : 13 m
- Max. flow rate : 15 m³/h

PRODUCT BENEFITS

- Simple and easy installation without soil disbursement.
- 4 inlets, 2 of which are low for greater installation flexibility.
- Pro X K2 grinding technology drains wastewater through a 50 mm ext. diameter hose.
- IP68 reinforced seals and remote control.
- Removable motor and level sensors for ease of maintenance.



BV Cert. 60453364



DELIVERED AS STANDARD

Classic control Box



Remote wired audible and visual alarm unit (5m)



CONNECTIONS



➡ External inlet diameter : 40, 50, 100, 110 mm

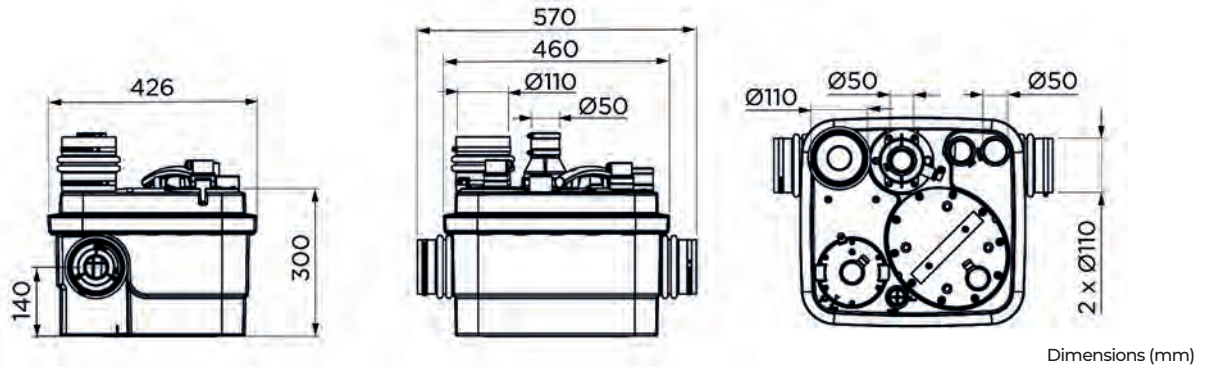
➡ Discharge diameter ext. : 50 mm

↔ Ext. ventilation diameter : 50 mm



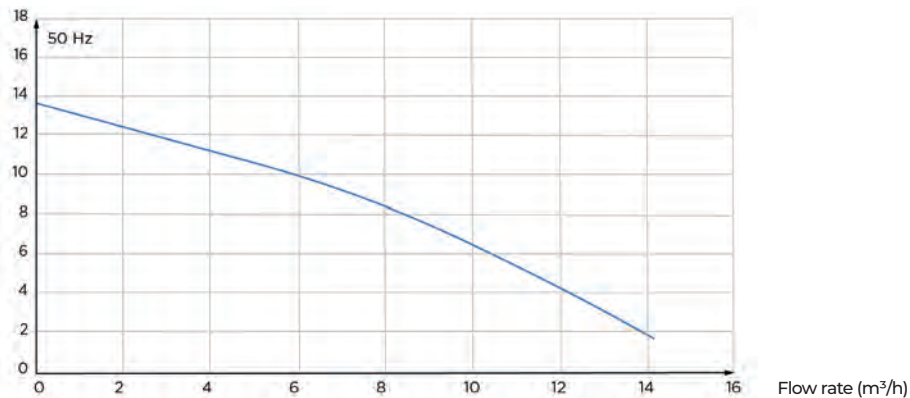
Pro X K2 grinder

DIMENSIONS



CURVE

Discharge height (m)



Sanicubic 1 WP

Type of control box	Classic
Material	
Tank	PP
Pump housing	PA 12 GF
Motor housing	PA 12 GF
Impeller	PP GF
Technical features	
Voltage (V)	230
Frequency (Hz)	50-60
Power consumption P1 (W)	1500
Power output P2 (W)	1050
Mode of operation	S3 30%
IP Rating	IP68
Hydraulics	
Total manometric head (m)	13
Max. flow rate (m³/h)	15
External inlet diameter (mm)	40, 50, 100, 110
Discharge diameter ext. (mm)	50
Ext. ventilation diameter (mm)	50
Total volume (L)	32
Useable volume (L)	10
ON Level /OFF level (mm)	140/70
Alarm level (mm)	210
Max. temperature of the pumped liquid (5 min)	70 °C
Type of impeller	Pro X K2 grinder
Type of activation	Pneumatic
Identification and logistics	
Gross weight (kg)	23
Factory code	CUBICIP68NM

Sanicubic 2 Classic

grey water, black water

Sanicubic 2 Classic is a 2-pump stations designed for the lifting of waste water from single-family houses, pool-houses, kitchens etc.

They benefit from the Pro X K2 maceration technology evacuating waste water through a small 50 mm diameter ext. pipe. The two pumps work alternately. The 5 inlets, 2 of which are low, allow great flexibility in the installation of sanitary equipment.



PERFORMANCES

- Total manometric head : 13 m
- Max. flow rate : 15 m³/h

PRODUCT BENEFITS

- Easily accessible with removable motors and level sensors for ease of maintenance.
- Alternating operation of the 2 pumps.
- 5 inlets, 2 of which are low-level.
- Low-level switching.
- Less chance of clogging due to the Pro X K2 grinder technology.
- Discharge in 50 mm ext. pipe.



BV Cert. 6045364



DELIVERED AS STANDARD

Classic control Box



Remote wired audible and visual alarm unit (5m)



CONNECTIONS



External inlet diameter : 40, 50, 100, 110 mm

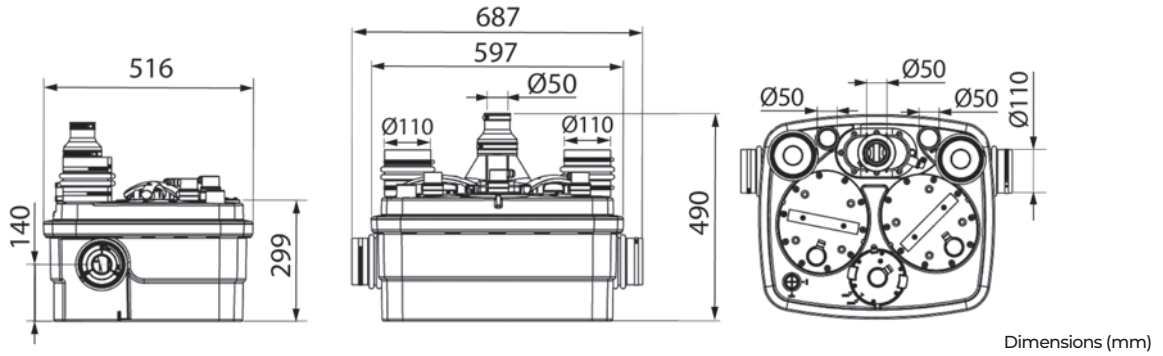
Discharge diameter ext. : 50 mm

Ext. ventilation diameter : 50 mm

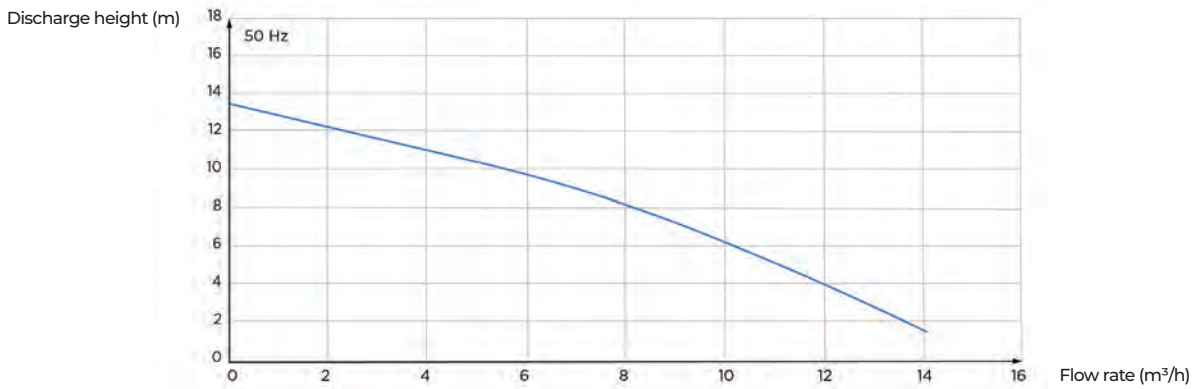


Pro X K2 grinder

DIMENSIONS



CURVE



Sanicubic 2 Classic

Type of control box	Classic
Material	
Tank	PP
Pump housing	PA 12 GF
Motor housing	PA 12 GF
Impeller	PP GF
Technical features	
Voltage (V)	230
Frequency (Hz)	50-60
Power consumption P1 (W)	1500
Power output P2 (W)	1050
Mode of operation	S3 50%
IP Rating	IP68
Hydraulics	
Total manometric head (m)	13
Max. flow rate (m³/h)	15
External inlet diameter (mm)	40, 50, 100, 110
Discharge diameter ext. (mm)	50
Ext. ventilation diameter (mm)	50
Total volume (L)	45
Useable volume (L)	17.5
ON Level /OFF level (mm)	140/70
Alarm level (mm)	210
Max. temperature of the pumped liquid (5 min)	70 °C
Type of impeller	Pro X K2 grinder
Type of activation	Pneumatic
Identification and logistics	
Gross weight (kg)	35
Factory code	R4LCIP68NM

Sanicubic 1 GR

grey water, black water

Sanicubic 1 GR is a station recommended for individual use (pavilion, small commercial premises). It collects all waste water from toilets, bathrooms, kitchens or laundry rooms. It is equipped with a pump with the Pro X K3 grinding system. It has 7 possible inlets to collect all types of waste water in the most demanding of settings.

The station is delivered with a pneumatically controlled remote control box including an audible and visual alarm.



PERFORMANCES

- Total manometric head : 39 m
- Max. flow rate : 17 m³/h

DEPENDING ON MODEL

PRODUCT BENEFITS

- Installation without excavation.
- Accessibility in case of maintenance.
- Compact dimensions.
- 7 inlets.
- Dilution wheel.
- 5 pump versions in single or three phase.
- Integrated connection and non-return valve.

DELIVERED AS STANDARD

Control boxes ZPS - single pump version



CONNECTIONS

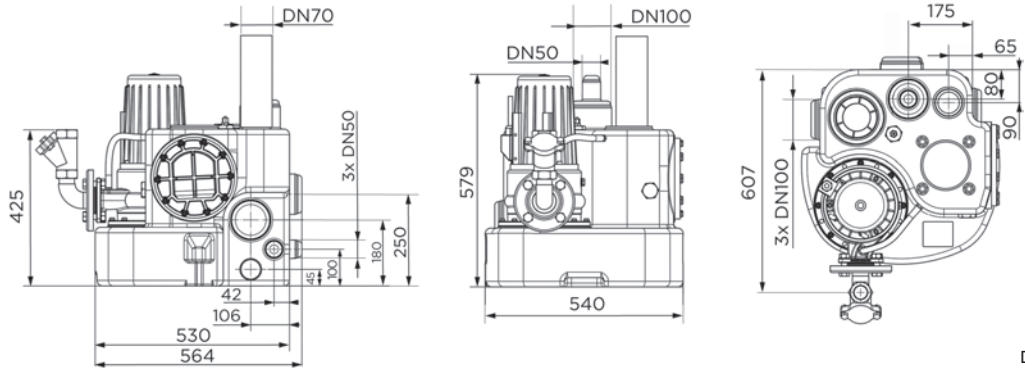


- Inlet diameter DN : 50, 100
- Discharge diameter DN : 50
- Ext. ventilation diameter : 75 mm



Pro X K3 grinder

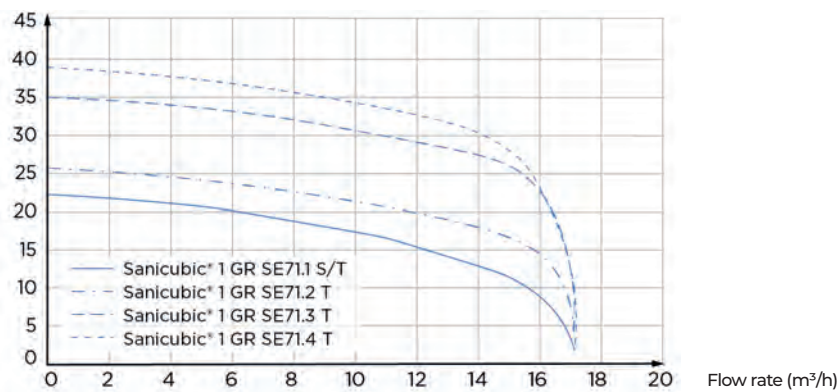
DIMENSIONS



Dimensions (mm)

CURVE

Discharge height (m)



Flow rate (m³/h)

	Sanicubic 1 GR SE71.1 S	Sanicubic 1 GR SE71.1 T	Sanicubic 1 GR SE71.2 T	Sanicubic 1 GR SE71.3 T	Sanicubic 1 GR SE71.4 T
Type of control box	ZPS 1 case	ZPS 1 case	ZPS 1 case	ZPS 1 case	ZPS 1 case
Material					
Tank	PE LD	PE LD	PE LD	PE LD	PE LD
Pump housing	GG-20	GG-20	GG-20	GG-20	GG-20
Motor housing	GG-20	GG-20	GG-20	GG-20	GG-20
Impeller	GG-20	GG-20	GG-20	GG-20	GG-20
Technical features					
Voltage (V)	230	400	400	400	400
Frequency (Hz)	50-60	50-60	50-60	50-60	50-60
Power consumption P1 (W)	2200	2100	2100	3900	3900
Power output P2 (W)	1700	1700	1700	3200	3200
Mode of operation	S3 25%	S3 25%	S3 25%	S3 25%	S3 25%
IP Rating	IP68	IP68	IP68	IP68	IP68
Hydraulics					
Total manometric head (m)	22	22	25	35	39
Max. flow rate (m ³ /h)	17	17	17	17	17
Inlet diameter DN	50, 100	50, 100	50, 100	50, 100	50, 100
Discharge diameter DN	50	50	50	50	50
Ext. ventilation diameter (mm)	75	75	75	75	75
Total volume (L)	55	55	55	55	55
ON Level /OFF level (mm)	140-250/30	140-250/30	140-250/30	140-250/30	140-250/30
Alarm level (mm)	180-290	180-290	180-290	180-290	180-290
Max. temperature of the pumped liquid (5 min)	55 °C	55 °C	55 °C	55 °C	55 °C
Type of impeller	Pro X K3 grinder	Pro X K3 grinder	Pro X K3 grinder	Pro X K3 grinder	Pro X K3 grinder
Type of activation	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
Identification and logistics					
Gross weight (kg)	64	64	64	68	68
Factory code	CUBIC1GRSE71-1S	CUBIC1GRSE71-1T	CUBIC1GRSE71-2T	CUBIC1GRSE71-3T	CUBIC1GRSE71-4T

Sanicubic 2 GR

grey water, black water

The Sanicubic 2 GR station is designed for the lifting of waste water from detached houses, pool-houses, kitchens etc. This station is equipped with 2 pumps with the Pro X K3 dilaceration system, which are activated simultaneously in case of a large supply.

Sanicubic 2 GR is available in 4 versions for 4 high level lifting performances. It has 5 inlets of different diameters.

The station is delivered with a pneumatically controlled remote control box including an audible and visual alarm.



PERFORMANCES

- Total manometric head : 39 m
- Max. flow rate : 17 m³/h

DEPENDING ON MODEL

PRODUCT BENEFITS

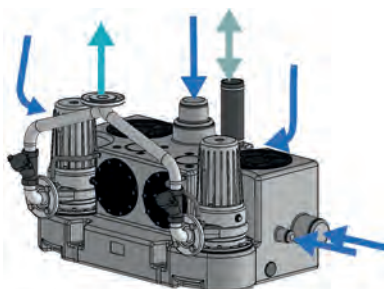
- Installation without excavation.
- Accessibility in case of maintenance.
- Expansion wheels.
- 3 inlets DN 100, 2 inlets DN 50.
- 150 litre tank.
- 4 three-phase versions.
- Including non-return valve & outlet flange.

DELIVERED AS STANDARD

ZPS control boxes - two-pump versions



CONNECTIONS

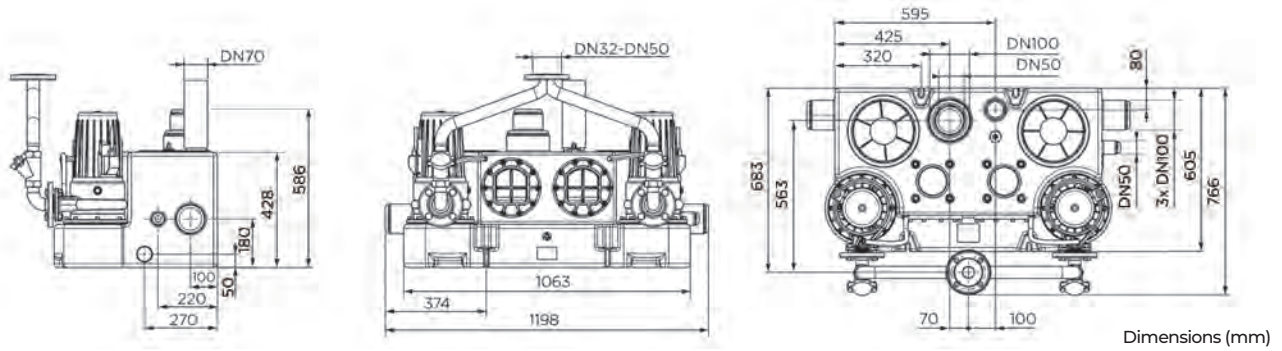


- Inlet diameter DN : 100, 150
- Discharge diameter DN : 50
- Ext. ventilation diameter : 75 mm



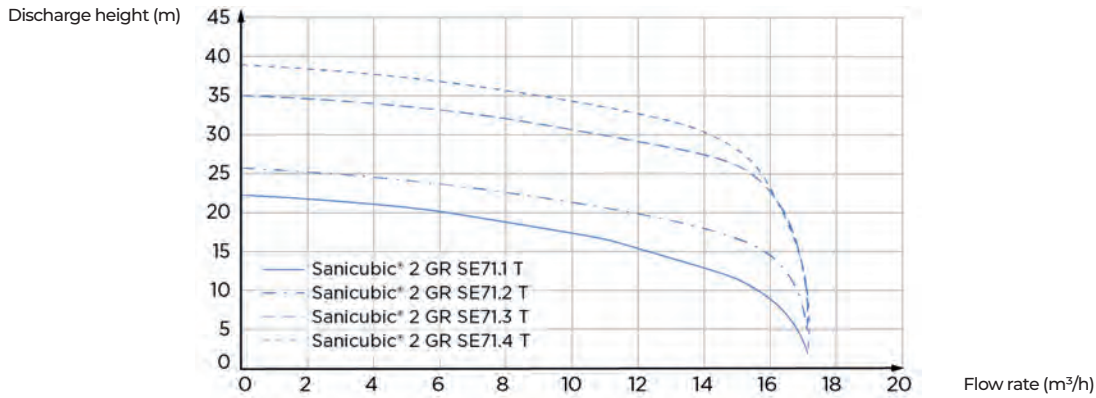
Pro X K3 grinder

DIMENSIONS



Dimensions (mm)

CURVE



Sanicubic 2 GR SE71.1 T Sanicubic 2 GR SE71.2 T Sanicubic 2 GR SE71.3 T Sanicubic 2 GR SE71.4 T

	Sanicubic 2 GR SE71.1 T	Sanicubic 2 GR SE71.2 T	Sanicubic 2 GR SE71.3 T	Sanicubic 2 GR SE71.4 T
Type of control box	ZPS 2 case	ZPS 2 case	ZPS 2 case	ZPS 2 case
Material				
Tank	PE LD	PE LD	PE LD	PE LD
Pump housing	GG-20	GG-20	GG-20	GG-20
Motor housing	GG-20	GG-20	GG-20	GG-20
Impeller	GG-20	GG-20	GG-20	GG-20
Technical features				
Voltage (V)	400	400	400	400
Frequency (Hz)	50-60	50-60	50-60	50-60
Power consumption P1 (W)	2100	2100	3900	3900
Power output P2 (W)	1700	1700	3200	3200
Mode of operation	S3 25%	S3 25%	S3 25%	S3 25%
IP Rating	IP68	IP68	IP68	IP68
Hydraulics				
Total manometric head (m)	22	25	35	39
Max. flow rate (m³/h)	17	17	17	17
Inlet diameter DN	100, 150	100, 150	100, 150	100, 150
Discharge diameter DN	50	50	50	50
Ext. ventilation diameter (mm)	75	75	75	75
Total volume (L)	150	150	150	150
ON Level /OFF level (mm)	140-250/30	140-250/30	140-250/30	140-250/30
Alarm level (mm)	180-290	180-290	180-290	180-290
Max. temperature of the pumped liquid (5 min)	55 °C	55 °C	55 °C	55 °C
Type of impeller	Pro X K3 grinder	Pro X K3 grinder	Pro X K3 grinder	Pro X K3 grinder
Type of activation	Pneumatic	Pneumatic	Pneumatic	Pneumatic
Identification and logistics				
Gross weight (kg)	137	137	144	144
Factory code	CUBIC2GRSE71-1T	CUBIC2GRSE71-2T	CUBIC2GRSE71-3T	CUBIC2GRSE71-4T

Sanicubic 1 VX

grey water, black water

Sanicubic 1 VX is a lifting station with 1 pump equipped with a vortex wheel. It is designed for lifting waste water from pavilions or small commercial premises. Sanicubic 1 VX has direct and secure access to the pump and level sensors. The station is delivered with a remote control box and an audible and visual alarm.



PERFORMANCES

- Total manometric head : 13 m
- Max. flow rate : 40 m³/h

PRODUCT BENEFITS

- Installation without excavation.
- Accessibility in case of maintenance.
- 3 inlets.
- Vortex wheel.
- Direct and safe access to the pump.
- Including remote control panel.
- Including wired alarm.



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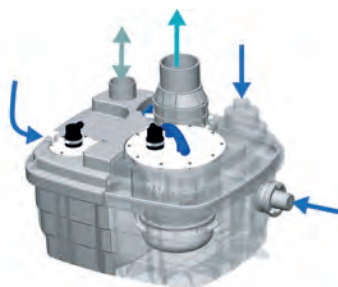
Classic control Box



Remote wired audible and visual alarm unit (5m)



CONNECTIONS



External inlet diameter : 40, 50, 100, 110, 125 mm

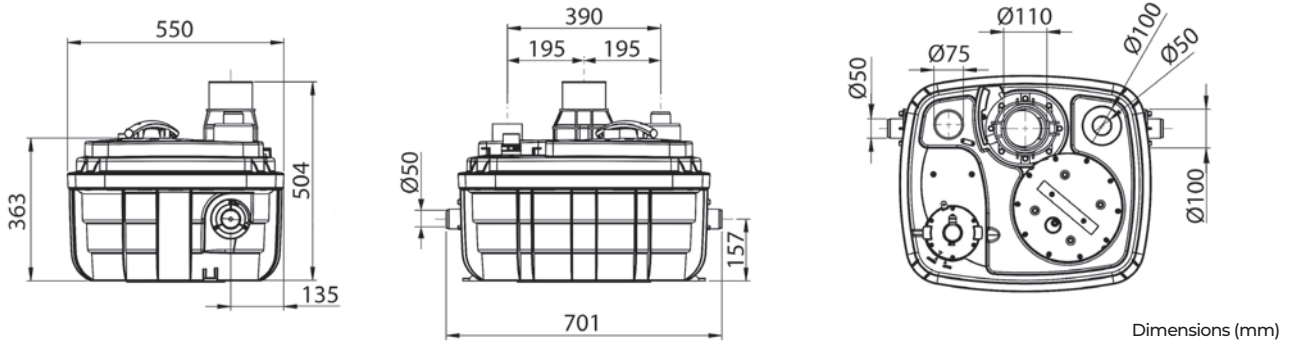
Discharge diameter ext. : 90/110 mm

Ext. ventilation diameter : 75 mm



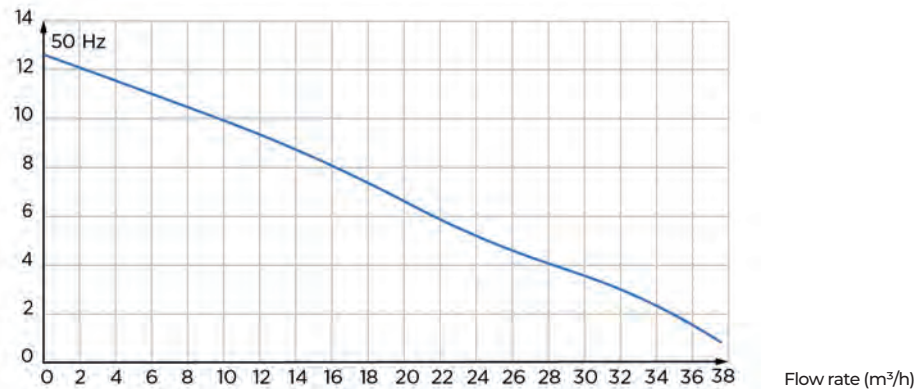
Impeller vortex

DIMENSIONS



CURVE

Discharge height (m)



Sanicubic 1 VX

Type of control box	Classic
Material	
Tank	PP GF
Pump housing	PA 12 GF
Motor housing	PA 12 GF
Impeller	PPO GF
Technical features	
Voltage (V)	230
Frequency (Hz)	50-60
Power consumption P1 (W)	2000
Power output P2 (W)	1400
Mode of operation	S3 15%
IP Rating	IP68
Hydraulics	
Total manometric head (m)	13
Max. flow rate (m ³ /h)	40
External inlet diameter (mm)	40, 50, 100, 110, 125
Discharge diameter ext. (mm)	90/110
Ext. ventilation diameter (mm)	75
Total volume (L)	60
Useable volume (L)	21
ON Level /OFF level (mm)	165/95
Alarm level (mm)	235
Particle size (mm)	50
Max. temperature of the pumped liquid (5 min)	70 °C
Type of impeller	Vortex
Type of activation	Pneumatic
Identification and logistics	
Gross weight (kg)	30
Factory code	CUBICIXLVX

Sanicubic 2 VX

grey water, black water

The Sanicubic 2 VX lifting station is designed for lifting waste water from shops, private homes and public facilities. It is equipped with two pumps with a vortex impeller leaving a free passage of 50 mm. The 5 inlets of the device allow the connection of several sanitary equipment.



PERFORMANCES

- Total manometric head : 16 m
- Max. flow rate : 55 m³/h

PRODUCT BENEFITS

- Installation without disbursement.
- Accessibility in case of maintenance.
- 5 inputs, 2 of which are low.
- Low engagement.
- 2 vortex impellers.
- Alternating motor operation.



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DELIVERED AS STANDARD

Classic control Box



Remote wired audible and visual alarm unit (5m)



CONNECTIONS



External inlet diameter : 40, 50, 100, 110, 125 mm

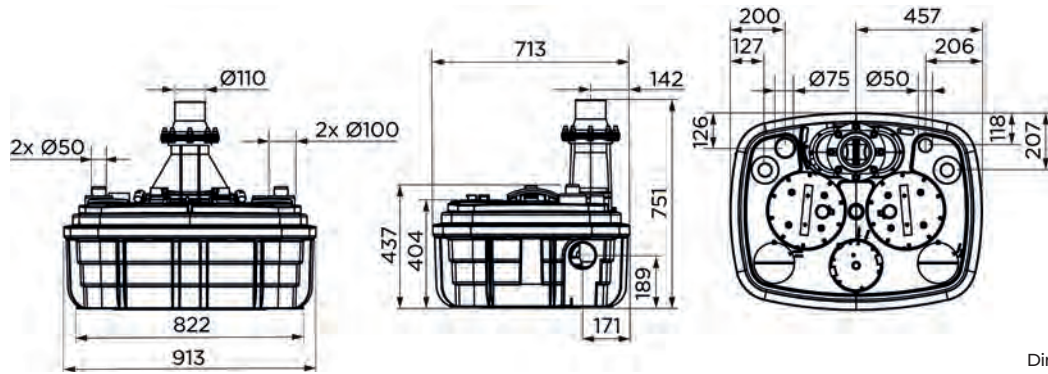
Discharge diameter ext. : 90/110 mm

Ext. ventilation diameter : 75 mm



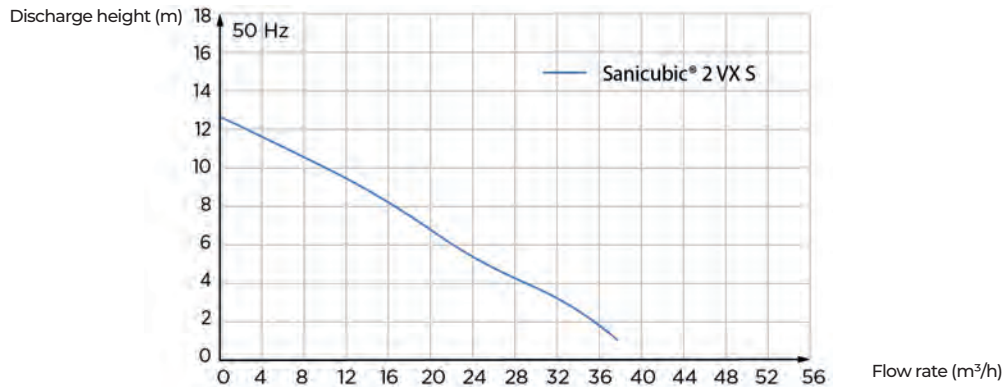
Vortex

DIMENSIONS



Dimensions (mm)

CURVE



		Sanicubic 2 VX S
Type of control box		Classic
Material		
Tank		PP GF
Pump housing		PA 12 GF
Motor housing		PA 12 GF
Impeller		PPO GF
Technical features		
Voltage (V)		230
Frequency (Hz)		50-60
Power consumption P1 (W)		2000
Power output P2 (W)		1400
Mode of operation		S3 30%
IP Rating		IP68
Hydraulics		
Total manometric head (m)		13
Max. flow rate (m ³ /h)		40
External inlet diameter (mm)		40, 50, 100, 110, 125
Discharge diameter ext. (mm)		90/110
Ext. ventilation diameter (mm)		75
Total volume (L)		120
Useable volume (L)		26
ON Level /OFF level (mm)		165/95
Alarm level (mm)		235
Particle size (mm)		50
Max. temperature of the pumped liquid (5 min)		70 °C
Type of impeller		Vortex
Type of activation		Pneumatic
Identification and logistics		
Gross weight (kg)		101
Factory code		CUBIC2XLVX

Sanicubic 1 SC

grey water, black water

Sanicubic 1 SC is a lifting station with 1 three-phase cast iron pump with a single-channel impeller. Designed for lifting waste water from public buildings or shopping centres, this station is available in 4 pump versions. It is delivered with a pneumatic remote control box including an audible and visual alarm.



PERFORMANCES

- Total manometric head : 22 m
- Max. flow rate : 165 m³/h

DEPENDING ON MODEL

PRODUCT BENEFITS

- Installation without excavation.
- Accessibility in case of maintenance.
- 1 inlet DN150.
- 3-phase cast iron pump.
- Free passage 80 mm or 100 mm.
- Control panel included (ZPS or PS2).
- Star-delta start for Sanicubic 1 SC7.5T.
- Customisation possible (tank volume and inlets) for tailor-made installation.

DELIVERED AS STANDARD

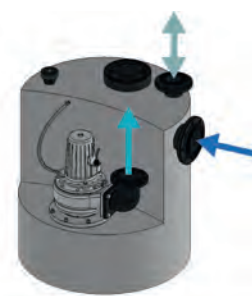
Control boxes ZPS - single pump version



PS2 system box



CONNECTIONS

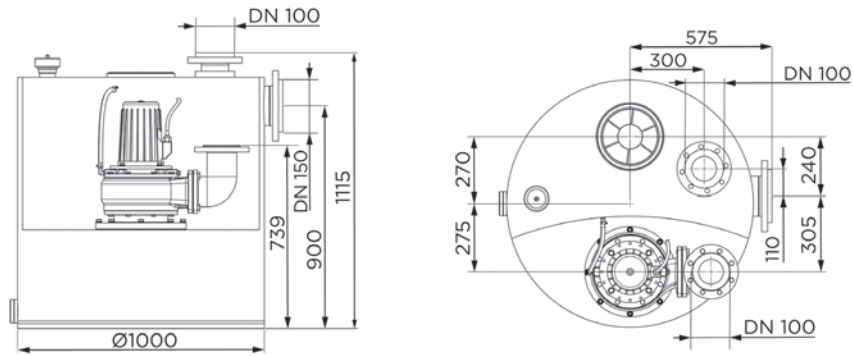


- Inlet diameter DN : 150
- Discharge diameter DN : 100
- Ventilation diameter DN : 100



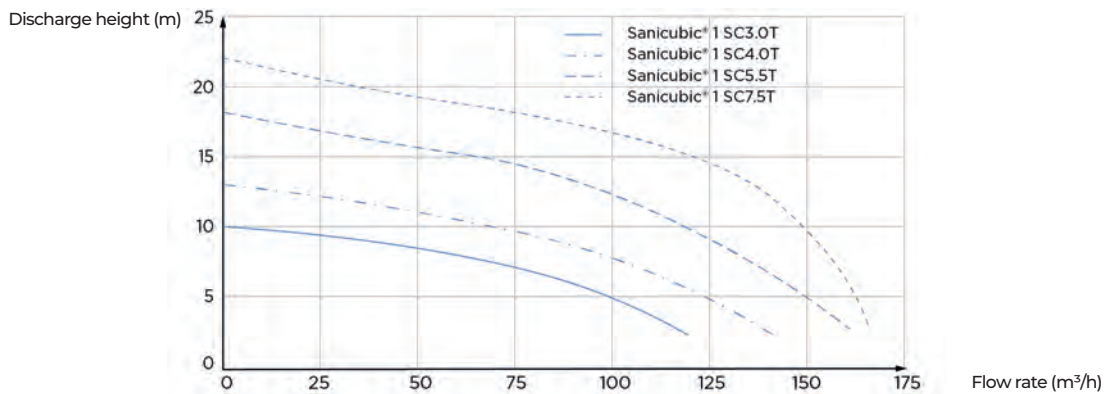
Single-channel

DIMENSIONS



Dimensions (mm)

CURVE



	Sanicubic 1 SC3.0 T	Sanicubic 1 SC4.0 T	Sanicubic 1 SC5.5 T	Sanicubic 1 SC7.5 T
Type of control box	ZPS 1 case	ZPS 1 case	ZPS 1 case	PS2 system box
Material				
Tank	PE HD	PE HD	PE HD	PE HD
Pump housing	GG-20	GG-20	GG-20	GG-20
Motor housing	GG-20	GG-20	GG-20	GG-20
Impeller	GG-20	GG-20	GG-20	GG-20
Technical features				
Voltage (V)	400	400	400	400
Frequency (Hz)	50-60	50-60	50-60	50-60
Power consumption P1 (W)	4000	5500	6300	8700
Power output P2 (W)	3000	4000	5500	7500
Mode of operation	S3 25%	S3 25%	S3 25%	S3 25%
IP Rating	IP68	IP68	IP68	IP68
Hydraulics				
Total manometric head (m)	10	13	18	22
Max. flow rate (m³/h)	120	140	160	165
Inlet diameter DN	150	150	150	150
Discharge diameter DN	100	100	100	100
Ventilation diameter DN	100	100	100	100
Total volume (L)	480	480	480	480
Useable volume (L)	270	270	270	270
Particle size (mm)	80	80	100	100
Max. temperature of the pumped liquid (5 min)	55 °C	55 °C	55 °C	55 °C
Type of impeller	Single-channel	Single-channel	Single-channel	Single-channel
Type of activation	Pneumatic	Pneumatic	Pneumatic	Pneumatic
Identification and logistics				
Gross weight (kg)	210	220	225	240
Factory code	CUBIC1SC3-0T	CUBIC1SC4-0T	CUBIC1SC5-5T	CUBIC1SC7-5T

Sanicubic 2 SC

grey water, black water

Sanicubic 2 SC is a floor-mounting lifting station with 2 single-channel impeller pumps. Sanicubic 2 SC is available in 4 versions. It has a DN 150 inlet for lifting large volumes of waste water from public buildings or blocks of flats.

It is delivered with a pneumatically controlled remote control box (ZPS) including an audible and visual alarm. The Sanicubic 2 SC7.5T version is supplied with a PS2 control box integrated in an electrical cabinet.



PERFORMANCES

- Total manometric head : 22 m
- Max. flow rate : 165 m³/h

DEPENDING ON MODEL

PRODUCT BENEFITS

- Two three-phase pumps.
- 1 inlet DN150.
- 4 versions available.
- 1000 litre tank.
- Free passage 80 mm or 100 mm.
- Control panel included (ZPS or PS2).
- Star-delta start for the Sanicubic 2 SC7. 5T.
- Tank customisation on request (tank volume up to 20000 L and number of inlets).
- Optional mounting accessories available.

DELIVERED AS STANDARD

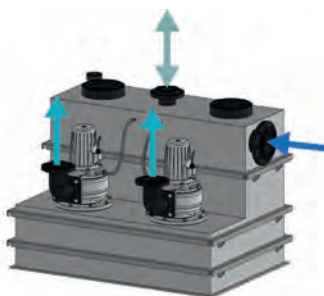
ZPS control boxes - two-pump versions



PS2 system box



CONNECTIONS

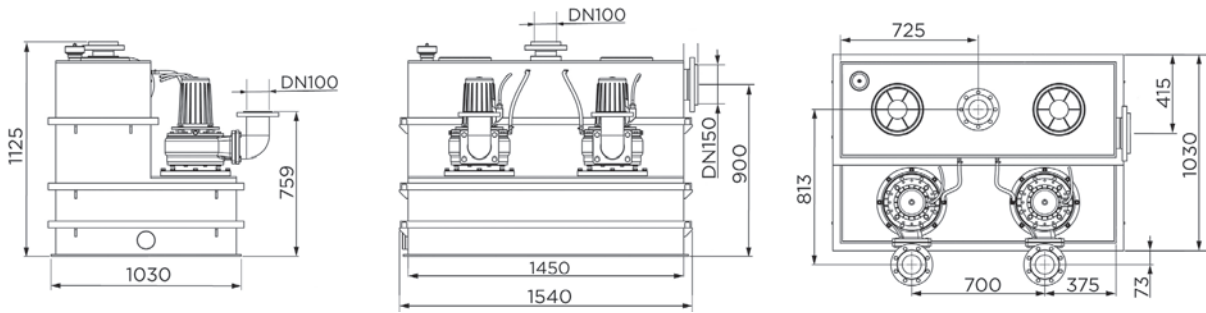


- Inlet diameter DN : 150
- Discharge diameter DN : 100
- Ventilation diameter DN : 100



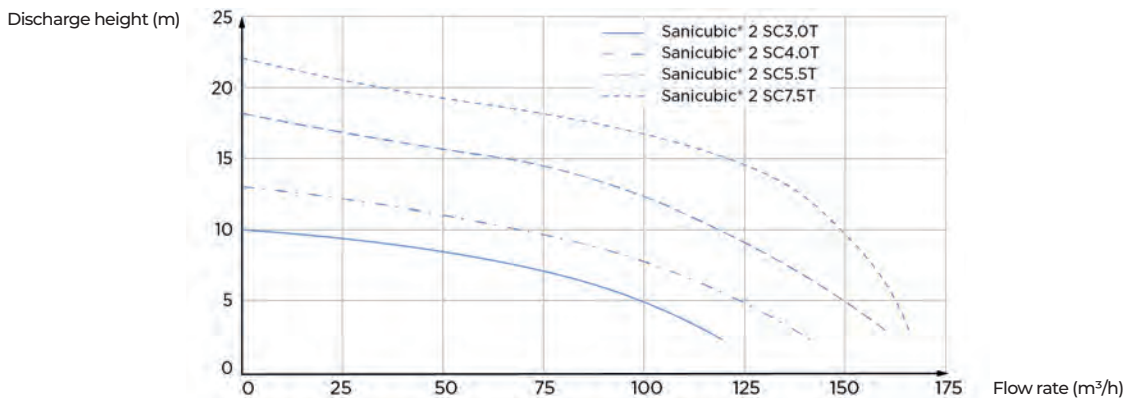
Single-channel

DIMENSIONS



Dimensions (mm)

CURVE

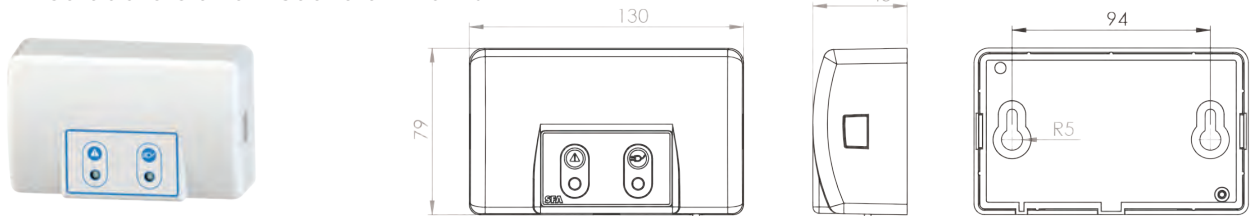


	Sanicubic 2 SC3.0 T	Sanicubic 2 SC4.0 T	Sanicubic 2 SC5.5 T	Sanicubic 2 SC7.5 T
Type of control box	ZPS 2 case	ZPS 2 case	ZPS 2 case	PS2 system box
Material				
Tank	PE HD	PE HD	PE HD	PE HD
Pump housing	GG-20	GG-20	GG-20	GG-20
Motor housing	GG-20	GG-20	GG-20	GG-20
Impeller	GG-20	GG-20	GG-20	GG-20
Technical features				
Voltage (V)	400	400	400	400
Frequency (Hz)	50-60	50-60	50-60	50-60
Power consumption P1 (W)	4000	5500	6300	8700
Power output P2 (W)	3000	4000	5500	7500
Mode of operation	S3 25%	S3 25%	S3 25%	S3 25%
IP Rating	IP68	IP68	IP68	IP68
Hydraulics				
Total manometric head (m)	10	13	18	22
Max. flow rate (m ³ /h)	120	140	160	165
Inlet diameter DN	150	150	150	150
Discharge diameter DN	100	100	100	100
Ventilation diameter DN	100	100	100	100
Total volume (L)	1000	1000	1000	1000
Useable volume (L)	500	500	500	500
Particle size (mm)	80	80	100	100
Max. temperature of the pumped liquid (5 min)	55 °C	55 °C	55 °C	55 °C
Type of impeller	Single-channel	Single-channel	Single-channel	Single-channel
Type of activation	Pneumatic	Pneumatic	Pneumatic	Pneumatic
Identification and logistics				
Gross weight (kg)	370	385	400	425
Factory code	CUBIC2SC3-0T	CUBIC2SC4-0T	CUBIC2SC5-5T	CUBIC2SC7-5T

Accessories and control boxes

Alarm units

Wired audible and visual alarm unit



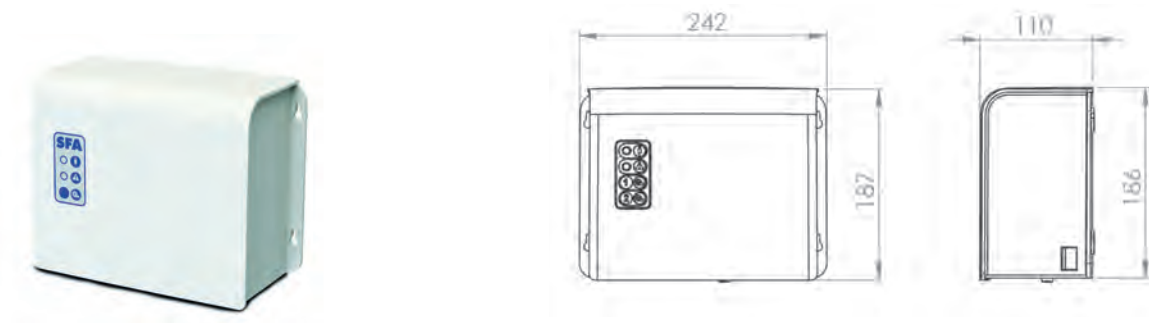
The Sanicom 1 alarm is a 5 m long wired alarm allowing you to monitor your Sanicom 1 from another room. This alarm is powered by the station and therefore does not require an independent power supply. In case of power failure, the battery of the alarm box takes over. The alarm box can detect an abnormal water level in the tank and monitor the power supply.

- IP Rating IP44
- 5m cable

Product	Factory code	To be used with	
Wired alarm box Sanicom 1	BOITALARMCOM1002	Sanicom 1	optional
Remote wired audible and visual alarm unit (5m)	BOITALARMCOM2002	Sanicom 2	optional
Remote wired audible and visual alarm unit (5m)	-	Sanicubic 1 WP/1 VX/2 Classic/2VX	delivered as standard

Control Boxes

Remote control unit (4 m cable)



The control box is delivered with a 4 m cable allowing its remote installation. It allows the monitoring of your station with the possibility of activating the forced operation. A visual and sound alarm is triggered in case of abnormally high water level in the tank or in case of power failure.

Product	Factory code	To be used with	
Classic control Box	-	Sanicom 2 Sanicubic 1 WP Sanicubic 1 VX Sanicubic 2 Classic Sanicubic 2 VX	delivered as standard

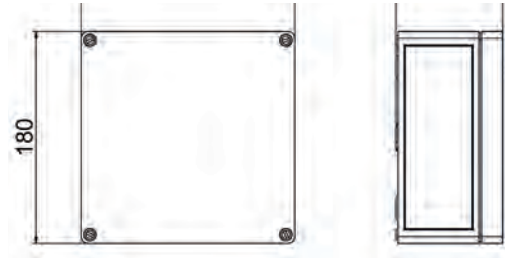
ZPS Control box



ZPS 1 Control Box



ZPS 2 Control Box



The ZPS control panels are available in 8 models: version for 1 or 2 pumps, single or three-phase, with pneumatic or float control. Integrated acoustic and visual alarm. Display of the operating status of the pump(s) by text messages and indicator light. Internal memory for up to 64 messages. Automatic operation with a single pump, and alternating operation with two-pump stations, with the second pump being activated when required. Level control possible by dynamic pressure. Float switch or 4-20 mA interface for external sensor. Display of operating hours, power consumption and maintenance intervals. Wall mounting provided.

Product	Factory code	To be used with
CONTROL BOX ZPS 1 S PNEUMATIC	ZPS-001	Sanicubic 1 GR/SC, Sanipump ZFS/ZPG/SLD x1
CONTROL BOX ZPS 2 S PNEUMATIC	ZPS-002	Sanicubic 2 GR/SC, Sanipump ZFS/ZPG/SLD x2
CONTROL BOX ZPS 1 T PNEUMATIC	ZPS-003	Sanicubic 1 GR/SC, Sanipump ZFS/ZPG/SLD x1
CONTROL BOX ZPS 2T PNEUMATIC	ZPS-004	Sanicubic 2 GR/SC, Sanipump ZFS/ZPG/SLD x2
CONTROL BOX ZPS 1 S FLOAT	ZPS-005	Sanicubic 1 GR/SC, Sanipump ZFS/ZPG/SLD x1
CONTROL BOX ZPS 2 S FLOAT	ZPS-006	Sanicubic 2 GR/SC, Sanipump ZFS/ZPG/SLD x2
CONTROL BOX ZPS 1 T FLOAT	ZPS-007	Sanicubic 1 GR/SC, Sanipump ZFS/ZPG/SLD x1
CONTROL BOX ZPS 2 T FLOAT	ZPS-008	Sanicubic 2 GR/SC, Sanipump ZFS/ZPG/SLD x2

PS 2 System Box



- The PS2 system case is built into the control cabinet door and a control unit clipped onto the rail.
- Possible to connect different level sensors.
- Complete control of pump operation via LCD display and digital potentiometer.
- 8 LEDs indicate pump status and faults.
- Dimensions: W 600 x H 600 x D 210

Product	Factory code	To be used with	
PS2 system box	-	Sanicubic SC7.5T	delivered as standard

WHY SANIGREASE?

The functions of a grease trap

Every restaurant produces wastewater full of fatty and oily matter, of animal or vegetable origin. They result in high levels of deposits in pipes. These deposits disrupt the proper functioning of water drainage networks and treatment plants.

By installing a grease separator, macro-waste and greases are retained at the source. Therefore, it avoids any damage to water and public sanitation equipment.

Article L 13 31 10 of the new Public Health Code stipulates that: *"Any discharge of wastewater other than domestic, into public sewers, must have been authorised beforehand by the community owning the works that this water will pass through before reaching the natural environment"*. Sanitation and the departmental health regulations must specify the rules for the management of fatty waste, namely the installation of a pre-treatment system. We are also seeing that more and more cities are imposing this in their municipal by-laws.

Calculation method according to standard NF EN1825-2

For grease separators with a sludge tank, the calculation method according to standard NF EN1825-2 is as follows:

$$NS = \text{No. meals} \times V \text{ meals} \times df \times tf \times fr \times \frac{fq}{(3,600 \times \text{daily operational time})}$$

df: Density factor; tf: Temperature factor; fr: Detergent factor; fq: Peak factor.

To maximise performance, daily maintenance of grease traps is required. For grease separators, monthly maintenance is needed.

Grease traps



	 Commercial	Nominal Size (NS)	Examples of use
 <p>Sanigrease T Grease trap</p>	p.80 ✓		<ul style="list-style-type: none"> • Mobile food trucks • Mobile dishwasher • Commercial dishwasher • Occasional food preparation

- STAINLESS STEEL MODEL
- FULLY-EQUIPPED TANK FOR EASY INSTALLATION

Sanigrease T 40/T 60/T 80/T100

The Sanigrease T 40/60/80/100 are grease traps designed for restaurant kitchen sinks. Thanks to their small size, they are quick and easy to install. The four height-adjustable feet make it easy to clean around the trays. Maintenance is made easier by the removable peelings basket and its drain valves.

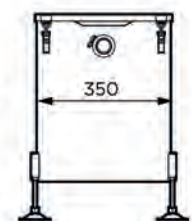
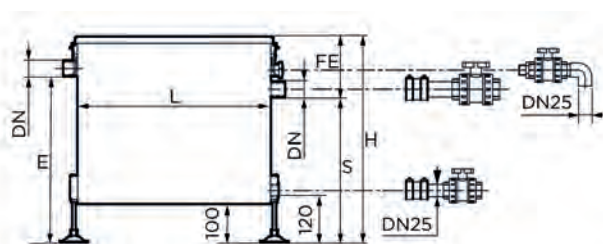
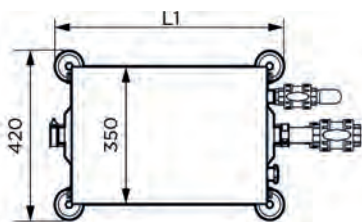


PRODUCT BENEFITS

- Space-saving.
- Quick and easy cleaning thanks to drain valves.
- Four height-adjustable feet.
- 304 L stainless steel bowl.
- Handle for handling .
- Removable peel basket.

	Sanigrease T 40	Sanigrease T 60	Sanigrease T 80	Sanigrease T 100
Material				
Tank	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Hydraulics				
Total volume (L)	39	53	67	82
Inlet diameter DN	32	32	50	50
Discharge diameter DN	32	32	50	50
Drain diameter DN	25	25	25	25
Identification and logistics				
Gross weight (kg)	26	29	36	40
Factory code	GREASET-001	GREASET-002	GREASET-003	GREASET-004

DIMENSIONS



	L	L1	H	E	S	FE	DN
T 40	480	550	484	385	330	154	32
T 60	540	610	534	435	380	154	32
T 80	640	710	574	453	400	174	50
T 100	730	800	594	473	420	174	50

Dimensions (mm)

Ethics Charter

“ENSURING THAT BUSINESS ETHICS IS CENTRAL TO RESPONSIBLE GROWTH.”

OUR SFA GROUP COMMITMENT

SFA is an industrial group with a Worldwide presence, whose primary objective is simple: to design and manufacture domestic and professional solutions wherever water flows.

Our ambition is to continue to GROW TOGETHER with all our partners and stakeholders (all those who participate in our business life, those who view the company, and those that we influence either directly or indirectly), in a common approach of development and permanent progress.



◊ The commitment to respect guides our relationships with all our stakeholders and must be a permanent part of our activities and our business relationships. Recognition of individual difference must be taken into consideration and go beyond minimum compliance with laws and regulations.

Respect is at the heart of human interaction, not only within SFA and towards our clients, but also in our social and wider environments.

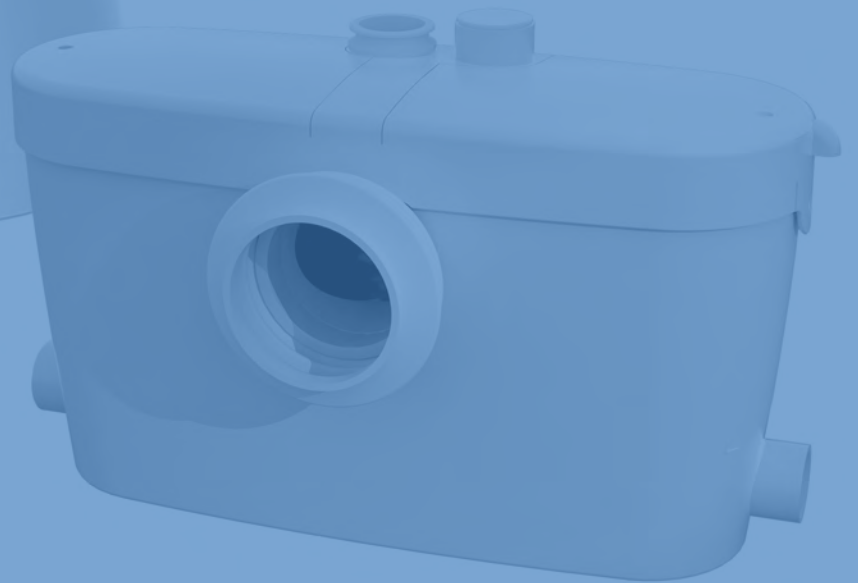
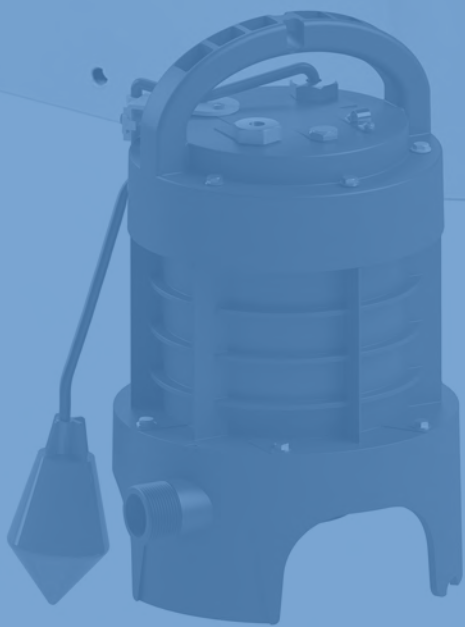
We respect individuals and their right to privacy.

◊ Our commitment to integrity leads us to strictly respect our duty of honesty in our business relationships. It requires all of us; management in particular, to lead by example in fulfilling our duties to our clients, colleagues and all other stakeholders.

◊ Our quality commitment is to provide our customers with a quality service. Quality applies to all business sectors and everyone plays a role and contributes to achieving this goal. Our ambition is to be recognized and approved by all our stakeholders as we grow together.

◊ The Team spirit that inspires us encompasses solidarity and cooperation. This means that we can combine the best skills for the benefit of our customers and stakeholders, and together overcome the challenges we face today and in the future.

Our principles of action and conduct are in accordance with fundamental principles, such as those of the Universal Declaration of Human Rights, of modern slavery law and those set by the International Labour Organisation (especially those concerning prohibition of child labour and forced labour).



SFA Vietnam



Saniflo  SFA GROUP