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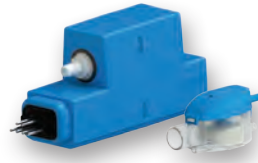


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GREASE TRAPS

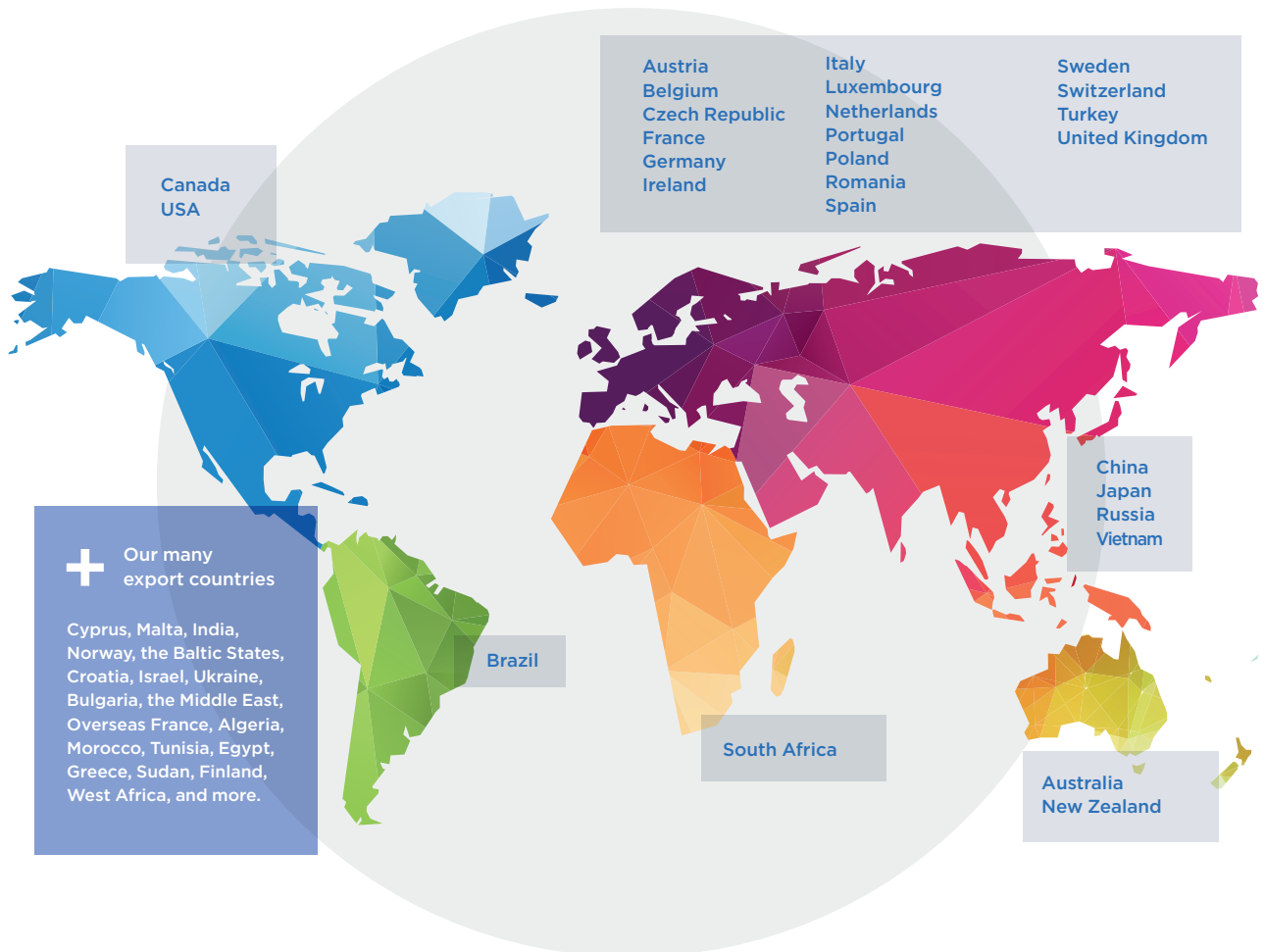
# SFA Group

## 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 1<sup>st</sup> 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

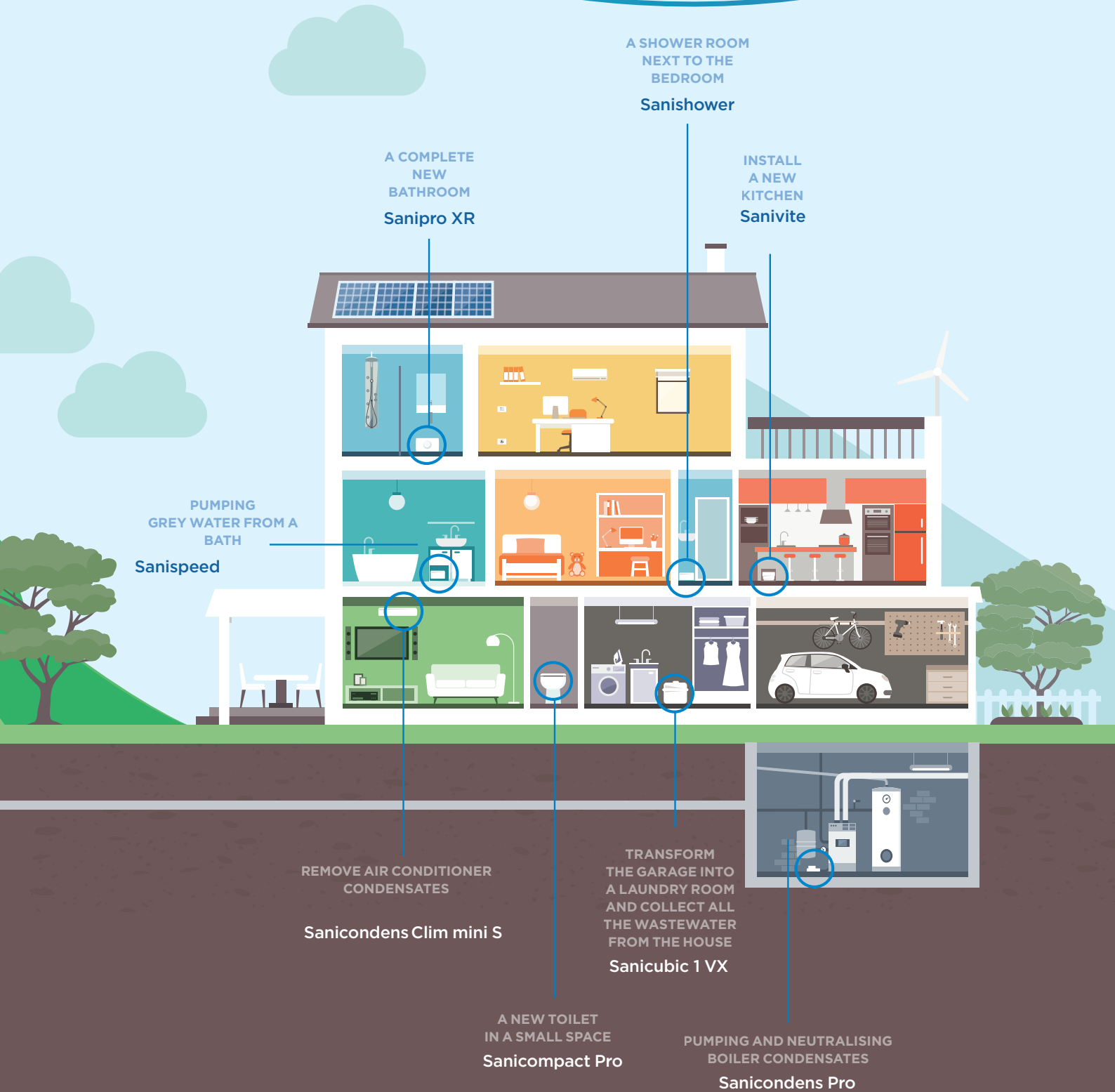
SFA pumps and macerators meet the European standards currently in force (EN 12050-3, EN 12050-2 and EN 12050-1) and are produced in a factory ISO 9001 and ISO 14001 certified.



# 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.

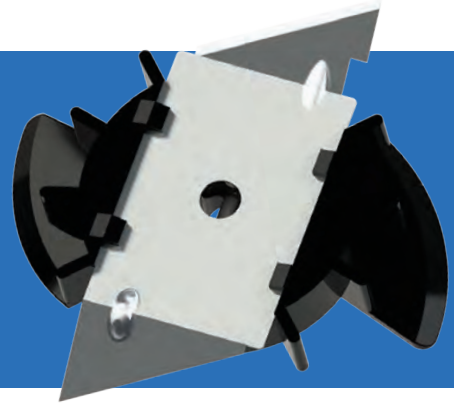


SFA macerators have remained at the forefront of technology since their invention, thanks to the group's continuous research and development efforts. Noise level, accessibility and design are all key elements to meet the needs of our customers.

## 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.

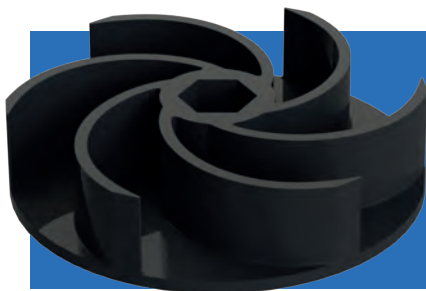


### Multi-cutter disc

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.

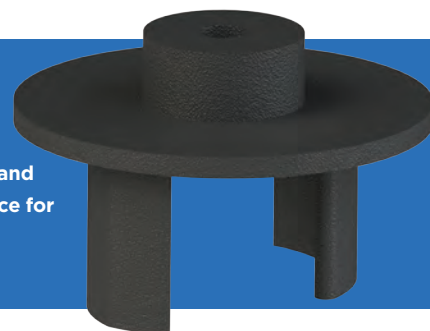


### KX V6 Vortex impeller

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

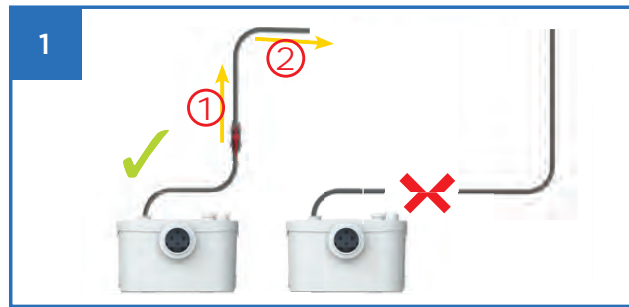
The two-channel wheel sucks out and discharges grey water and particles without grinding them and provides 50 mm clearance for maximum performance.



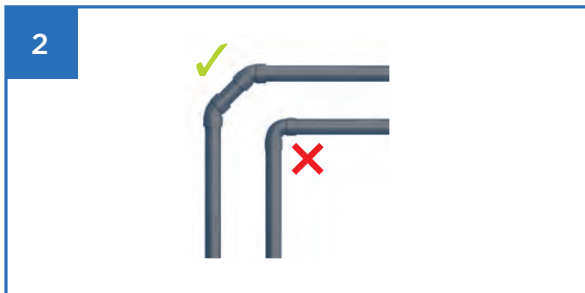




## SOME RULES FOR INSTALLING AN SFA MACERATOR



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.**



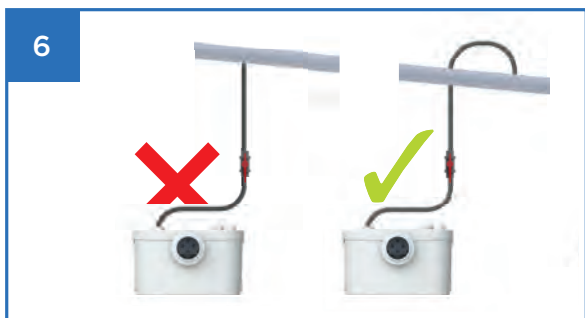
**Plan for a slope** between the sanitary appliances and the SFA macerator.



• 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><b>Saniflo</b><br/>Perfect for toilet drainage</p> <p>p.13 •</p>                                    |                                                                                          |                                                                                                    |                                                                                              |                                                                                          |                                                                                                    |                                                                                                  | ✓                                                                                                  |
|  <p><b>Sanitop</b><br/>Drains both the toilet and washbasin</p> <p>p.14 •</p>                           |                                                                                          |                                                                                                    | •                                                                                            |                                                                                          |                                                                                                    |                                                                                                  | ✓                                                                                                  |
|  <p><b>Sanipro XR</b><br/>Drains all the water from a shower room</p> <p>p.15 •</p>                    |                                                                                          |                                                                                                    | •                                                                                            | •                                                                                        | •                                                                                                  |                                                                                                  | ✓                                                                                                  |
|  <p><b>Saniaccess 1-2-3</b><br/>Complete solutions perfect for rental accommodation</p> <p>p.16 •</p> |                                                                                          |                                                                                                    | •                                                                                            | •                                                                                        | •                                                                                                  |                                                                                                  | ✓                                                                                                  |
|  <p><b>Sanigrind Pro</b><br/>The unique solution for S-trap toilets</p> <p>p.17 •</p>                 |                                                                                          |                                                                                                    | •                                                                                            | •                                                                                        | •                                                                                                  | •                                                                                                | ✓                                                                                                  |
|  <p><b>Sanibest Pro</b><br/>High performance maceration! Perfect for communities</p> <p>p.18 •</p>    |                                                                                          |                                                                                                    | •                                                                                            | •                                                                                        | •                                                                                                  | •                                                                                                | ✓                                                                                                  |
|  <p><b>Sanipack</b><br/>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

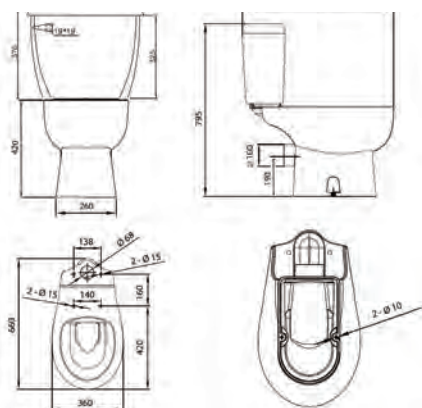
Rear discharge toilet with 420 mm seating height.

## 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

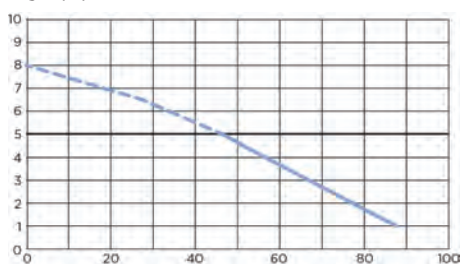


## PACKAGING

Check valve, connectors, carbon filter to neutralise odours

## CURVE

Discharge height (m)



Flow rate (l/min)

## TECHNICAL FEATURES

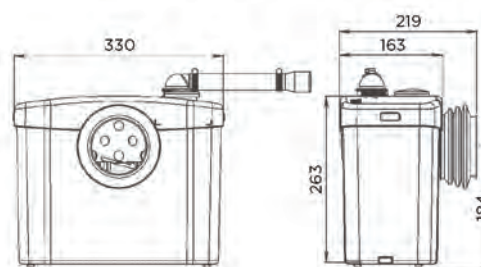
|                                     |                      |
|-------------------------------------|----------------------|
| Number of entries                   | 1                    |
| External inlet diameter             | 100 mm               |
| Discharge diameter ext.             | 22/28/32 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)             |
| <b>Identification and logistics</b> |                      |
| 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

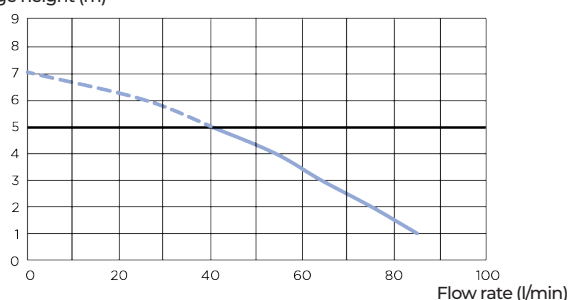


## PACKAGING

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

## CURVE

Discharge height (m)



## TECHNICAL FEATURES

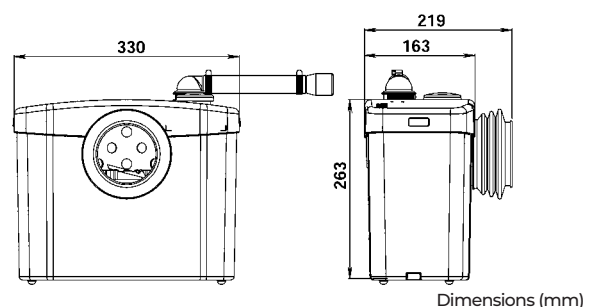
|                              |                      |
|------------------------------|----------------------|
| Number of entries            | 2                    |
| External inlet diameter      | 40, 100 mm           |
| Discharge diameter ext.      | 22/28/32 mm          |
| Max. incoming temperature    | 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.

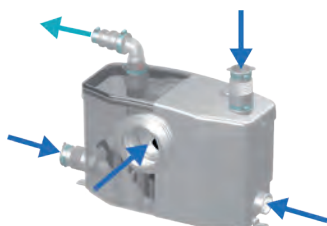
## CONNECTIONS

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

→ External inlet diameter :  
40, 100 mm



Single blade cutter

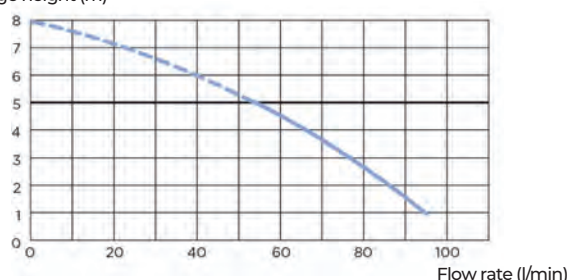


## PACKAGING

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

## CURVE

Discharge height (m)



## TECHNICAL FEATURES

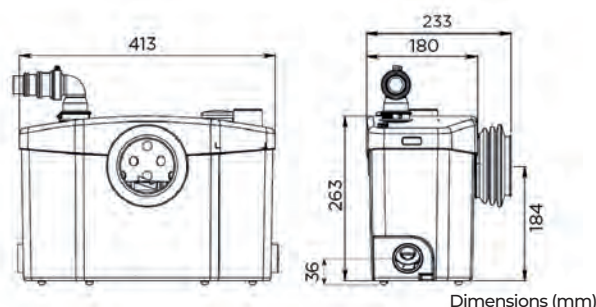
|                                     |                      |
|-------------------------------------|----------------------|
| Number of entries                   | 4                    |
| External inlet diameter             | 40, 100 mm           |
| Discharge diameter ext.             | 22/28/32 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)             |
| <b>Identification and logistics</b> |                      |
| 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



## 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

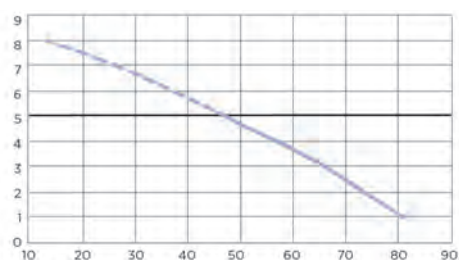


## PACKAGING

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

## CURVE

Discharge height (m)



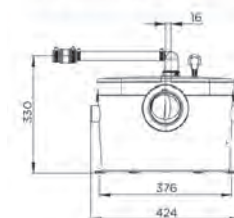
Flow rate (l/min)

## TECHNICAL FEATURES

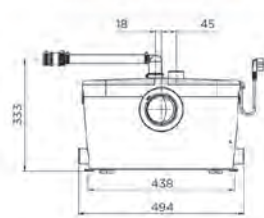
|                              |                      |             |             |
|------------------------------|----------------------|-------------|-------------|
| Number of entries            | 1                    | 2           | 4           |
| External inlet diameter      | 40, 100 mm           |             |             |
| 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

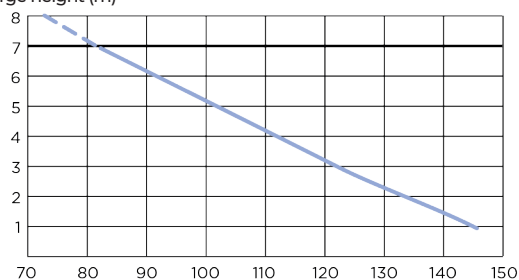


## PACKAGING

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             |

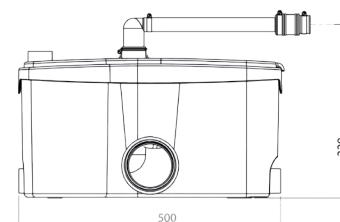
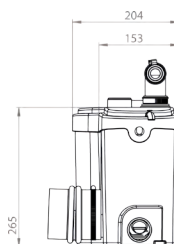
## OPTIONAL EXTRAS

### 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

Access directly to the electrics via the lid

→ External inlet diameter : 40, 100 mm



Pro X K2 grinder

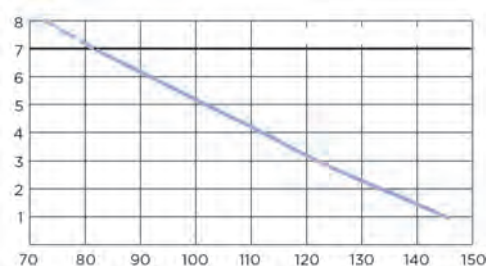


## PACKAGING

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

## CURVE

Discharge height (m)



Flow rate (l/min)

## TECHNICAL FEATURES

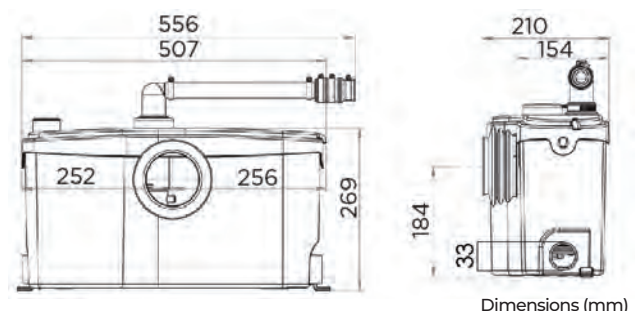
|                              |                      |
|------------------------------|----------------------|
| Number of entries            | 4                    |
| External inlet diameter      | 40, 100 mm           |
| Discharge diameter ext.      | 22/28/32 mm          |
| Min. shower tray height      | 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



# 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.

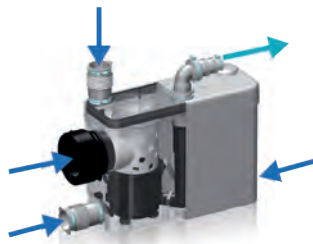
## CONNECTIONS

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

→ External inlet diameter : 40, 100 mm



Single blade cutter



## TECHNICAL FEATURES

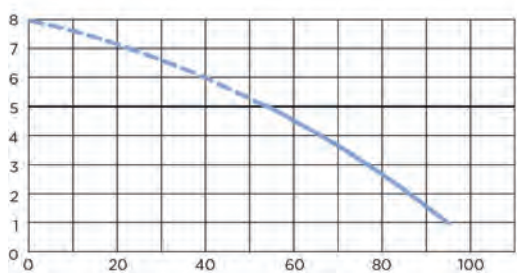
|                                         |                      |
|-----------------------------------------|----------------------|
| Number of entries                       | 4                    |
| External inlet diameter                 | 40, 100 mm           |
| Discharge diameter ext.                 | 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

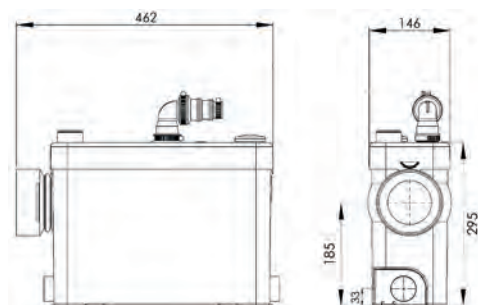
## CURVE

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 |  Dual-flush system |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|  <p><b>Sanicompact Pro</b><br/>Compact and contemporary design</p>                              |    | •                                                                                        |                                                                                                    | •                                                                                              | ✓                                                                                                     |
|  <p><b>Saniflush</b><br/>Entirely ceramic complete toilet with efficient maceration system</p> |  | •                                                                                        |                                                                                                    | •                                                                                              | ✓                                                                                                     |

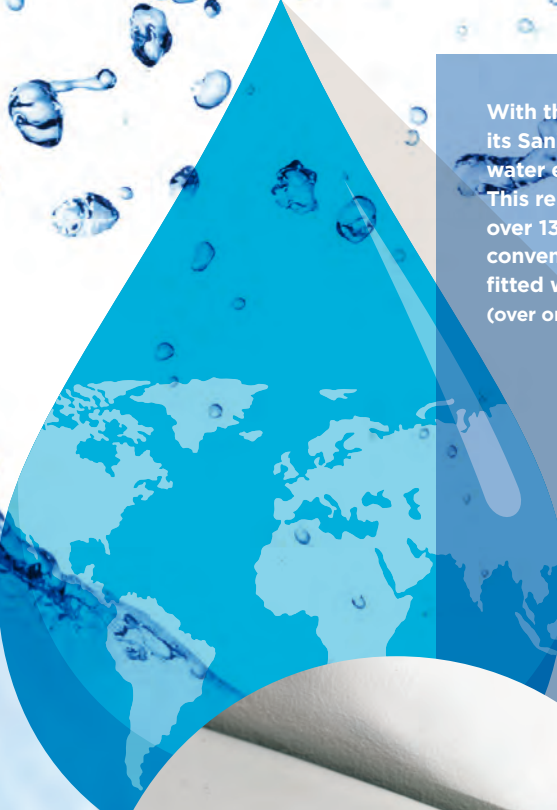
- PRODUCTS WITH A CONTEMPORARY DESIGN AND EQUIPPED WITH SILENCE TECHNOLOGY
- AN ENVIRONMENTALLY-FRIENDLY RANGE:  
WATER AND ENERGY EFFICIENT THANKS TO THE DUAL FLUSH SYSTEM
- COMFORT OF USE WITH THE SOFT-CLOSE TOILET SEAT AND LID
- GUARANTEED HYGIENE THANKS TO THE ANTI-LIMESCALE CERAMIC AND AN ANTIBACTERIAL 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 m<sup>3</sup>) compared to a conventional toilet fitted with a 3 L/6 L flush (over one year for a family of 4 people).

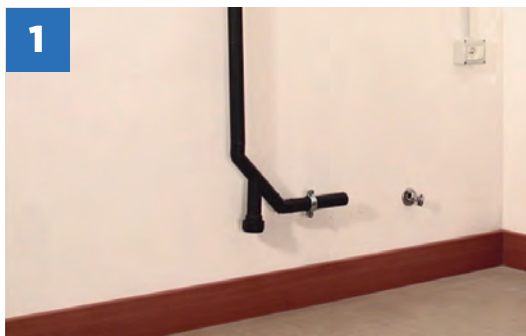


A Sanicompact saves more than 5,200 L compared to any other equivalent macerators on the market.

## 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

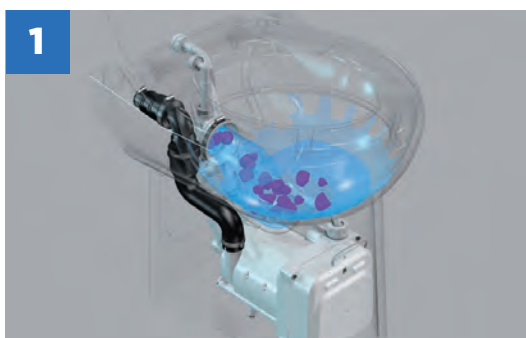
Connect the Sanicompact drainage elbow to your PVC pipe and connect it to your main drain.

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

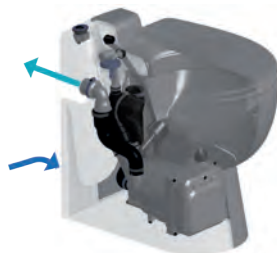
## CONNECTIONS

← Discharge diameter ext. : 32 mm

→ External inlet diameter : 40 mm



Multi-cutter disc

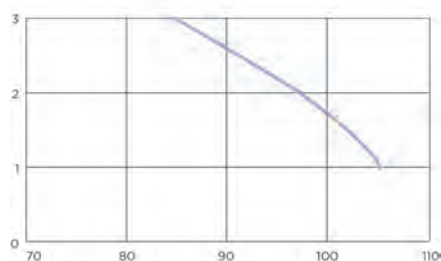


## PACKAGING

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

## CURVE

Discharge height (m)

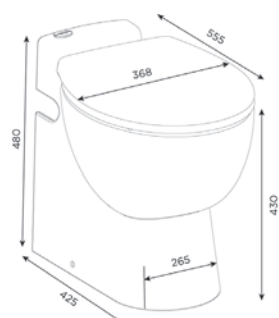


Flow rate (l/min)

## 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

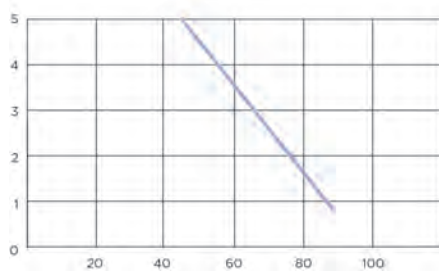
|                                     |                      |
|-------------------------------------|----------------------|
| Number of entries                   | 2                    |
| External inlet diameter             | 40 mm                |
| Discharge diameter ext.             | 32 mm                |
| 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)             |
| <b>Identification and logistics</b> |                      |
| Gross weight                        | 56 kg                |
| Factory code                        | SANIFLUSH            |

## PACKAGING

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

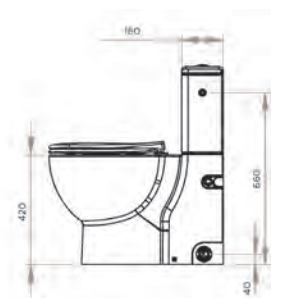
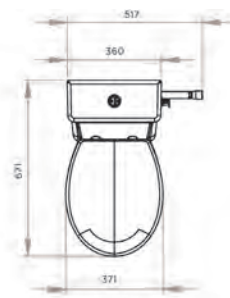
## CURVE

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><b>Sanishower</b><br/>Pump suitable for standard shower tray</p> <p>p.28</p>                     | •                                                                                                |                                                                                               | •                                                                                                   | •                                                                                                | •                                                                                       |                                                                                                |                                                                                          |                                                                                                     |                                                                                                 |                                                                                          |
|  <p><b>Sanispeed</b><br/>Pump suitable for installing a laundry room or a kitchen</p> <p>p.29</p> |                                                                                                  |                                                                                               |                                                                                                     | •                                                                                                | •                                                                                       | •                                                                                              | •                                                                                        | •                                                                                                   | •                                                                                               | •                                                                                        |
|  <p><b>Sanivite</b><br/>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

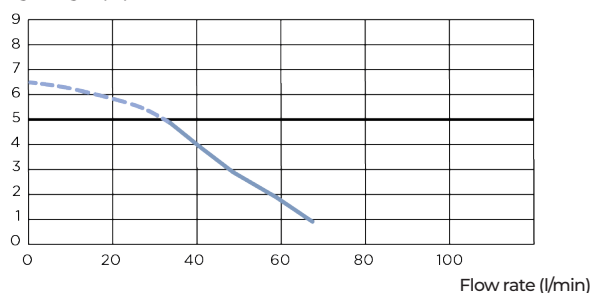
|                              |                      |
|------------------------------|----------------------|
| Number of entries            | 2                    |
| External inlet diameter      | 32, 40 mm            |
| Discharge diameter ext.      | 32 mm                |
| Min. shower tray height      | 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

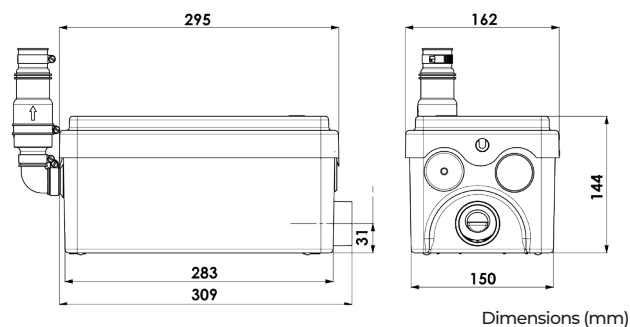
Sanishower, check valve, connectors

## CURVE

Discharge height (m)



## DIMENSIONS

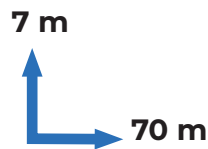


Dimensions (mm)

# Sanispeed



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



BY Cert. 6045364



## PRODUCT BENEFITS

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

## CONNECTIONS

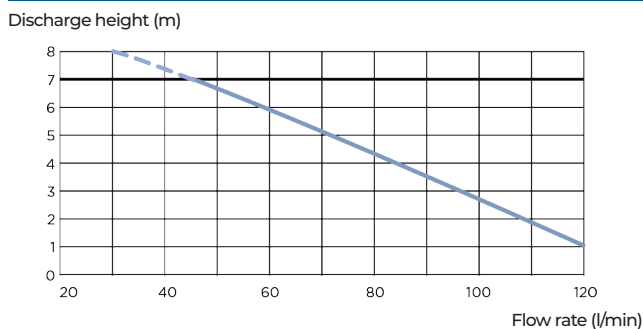
- ← Discharge diameter ext.: 32 mm
- External inlet diameter: 40 mm



## PACKAGING

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

## CURVE



## TECHNICAL FEATURES

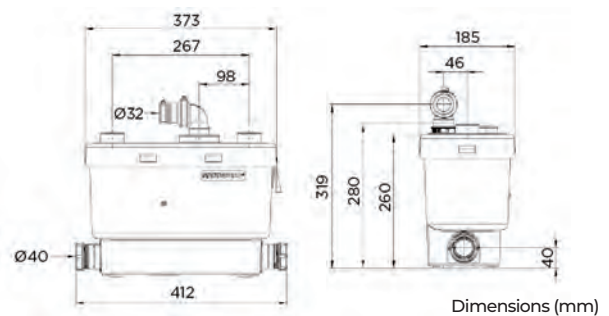
|                                     |                                  |
|-------------------------------------|----------------------------------|
| Number of entries                   | 4                                |
| External inlet diameter             | 40 mm                            |
| 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)                         |
| <b>Identification and logistics</b> |                                  |
| 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

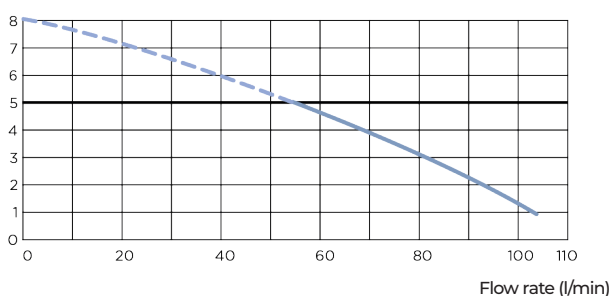


## PACKAGING

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

## CURVE

Discharge height (m)



## TECHNICAL FEATURES

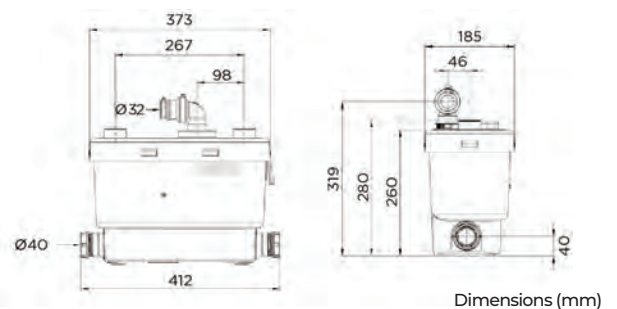
|                              |                                  |
|------------------------------|----------------------------------|
| Number of entries            | 4                                |
| External inlet diameter      | 40 mm                            |
| Discharge diameter ext.      | 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



# 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)

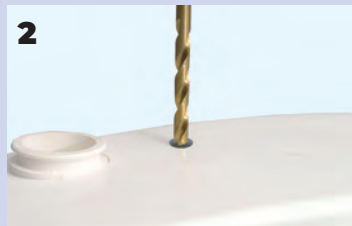
## How does it work?

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



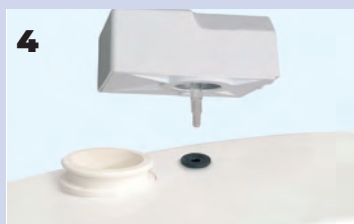
1 Insert 2 standard 1.5V batteries (not supplied) into the unit.



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



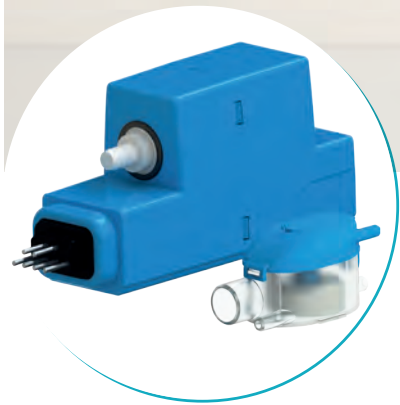
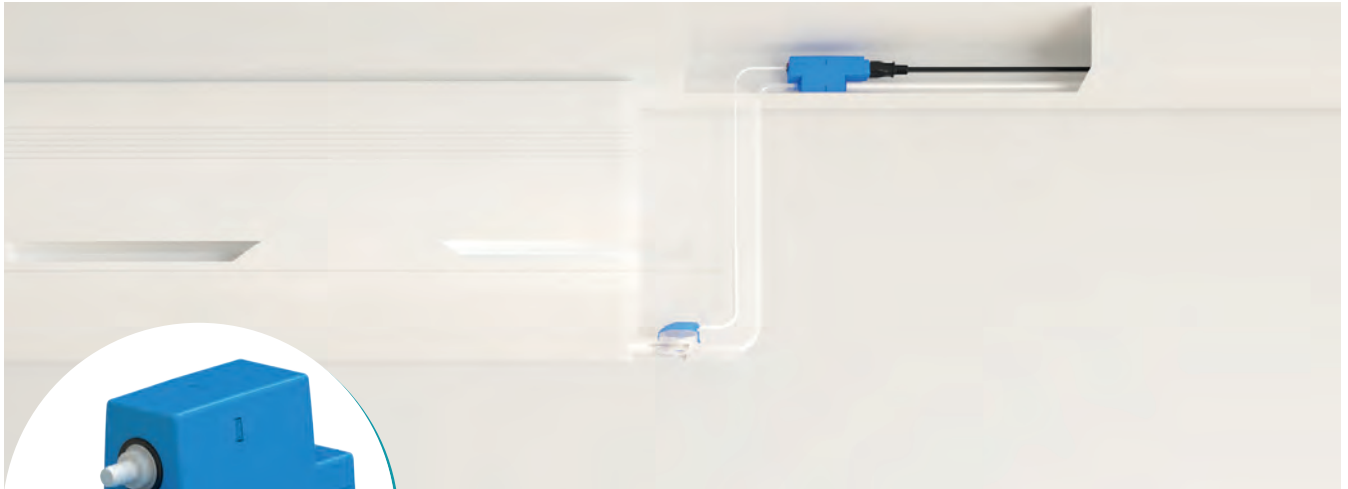
|                                                                                                                                                                                                                 |  GAS boiler |  OIL boiler |  Air conditioner |  Refrigerated display |  Dehumidifier |  Air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

- 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  
↑

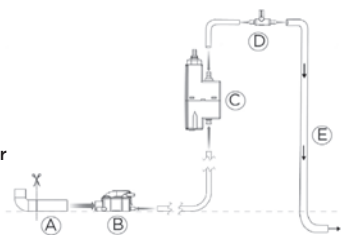


## PRODUCT BENEFITS

- 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

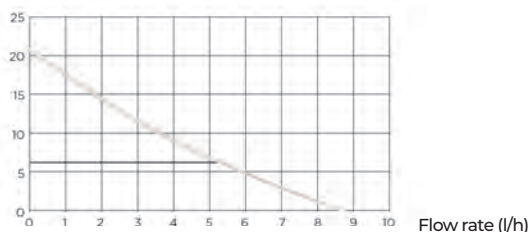
|                                                               |                      |
|---------------------------------------------------------------|----------------------|
| Max. power of the boiler                                      | 8 kW                 |
| Inlet diameter DN                                             | 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)             |
| <b>Identification and logistics</b>                           |                      |
| Factory code                                                  | CLIMMINI3S           |

## PACKAGING

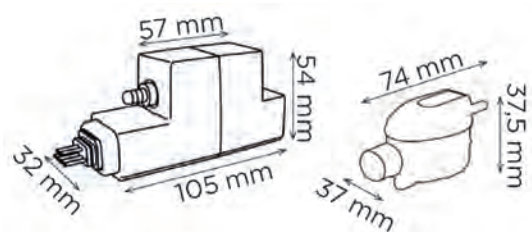
Sanicondens Clim mini pump, detection unit, 1.2 m flexible hose, mounting bracket, vent tube, power cable supplied

## 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

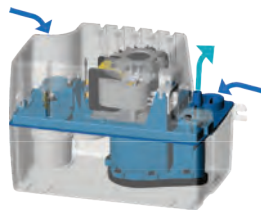


## PRODUCT BENEFITS

- 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

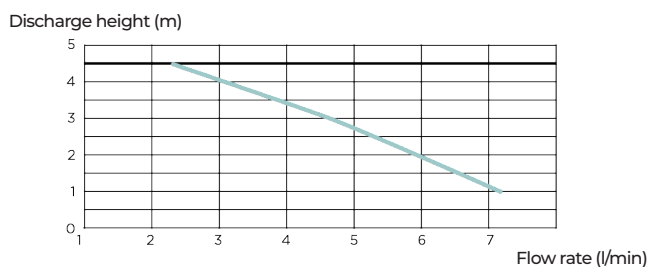
- ← Discharge diameter (int.) : 10 mm
- Inlet diameter DN : 28 mm



## 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

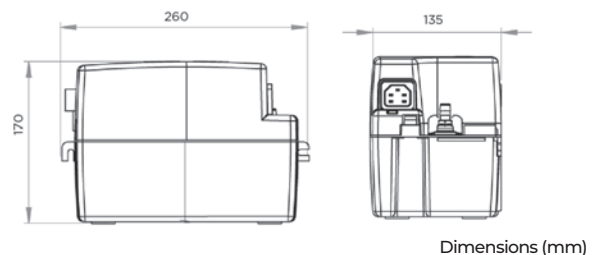
## CURVE



## 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                    |  |   |            |                        |                                     |                                                                                                |
|    | <b>Sanipuddle</b><br>Leave only 1 mm                | p.38 | •                                             |                                 |                                                    |  |   |            |                        |                                     | ✓                                                                                              |
|   | <b>Sanisub 400</b><br>7 m immersion depth           | p.40 | •                                             | •                               |                                                    |  |   | •          |                        |                                     | ✓                                                                                              |
|  | <b>Sanisub Steel</b><br>Stainless steel cellar pump | p.42 | •                                             | •                               |                                                    |  |   | •          |                        |                                     | ✓                                                                                              |
|  | <b>Sanisub ZPK 40A</b><br>To empty a cellar         | p.44 | •                                             | •                               | •                                                  |  |   | •          |                        |                                     | ✓                                                                                              |
|  | <b>Sanipump ZPG 71</b><br>To drain rain water       | p.46 | •                                             | •                               | •                                                  |  | • | •          |                        |                                     | ✓                                                                                              |
|  | <b>Sanipump ZFS 71</b><br>Grinder pump              | p.48 | •                                             | •                               | •                                                  |  |   | •          | •                      |                                     | ✓                                                                                              |
|  | <b>Sanipump SLD</b><br>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 m<sup>3</sup>/h

## PACKAGING

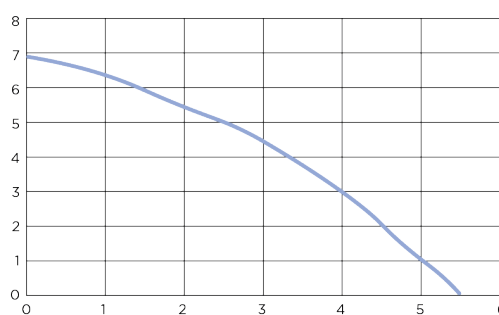
Sanipuddle pump, 10 m supply cable, non-return valve

## 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.

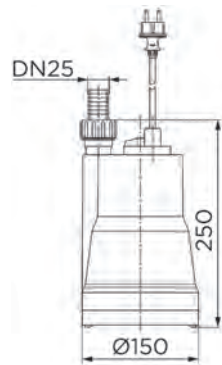
## CURVE

Discharge height (m)



Flow rate (m<sup>3</sup>/h)

## DIMENSIONS



Dimensions (mm)

|                                               | Sanipuddle         |
|-----------------------------------------------|--------------------|
| <b>Material</b>                               |                    |
| Shaft                                         | Stainless steel    |
| Pump housing                                  | PP GF              |
| Waterproofing                                 | Carbon/ceramic/NBR |
| Motor housing                                 | Stainless steel    |
| Impeller                                      | PA 6 GF            |
| <b>Electrical features</b>                    |                    |
| 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                 |
| <b>Hydraulics</b>                             |                    |
| Total manometric head (m)                     | 7                  |
| Max. flow rate (m <sup>3</sup> /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             |
| <b>Identification and logistics</b>           |                    |
| 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 m<sup>3</sup>/h

## PRODUCT BENEFITS

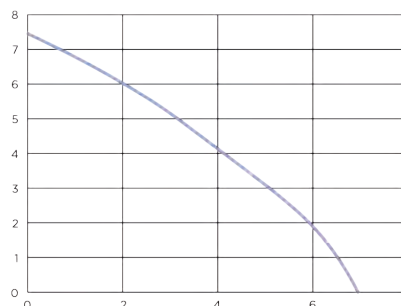
- Automatic release.
- 7 m immersion depth.
- 5 mm suction without strainer.
- 10 mm grain size.
- Integrated non-return valve.
- Float lock ring included.

## PACKAGING

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

## CURVE

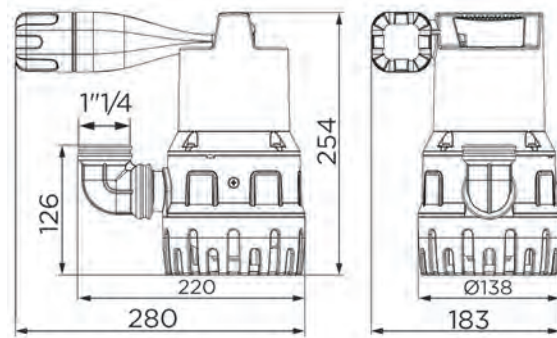
Discharge height (m)



Flow rate (m<sup>3</sup>/h)



## DIMENSIONS

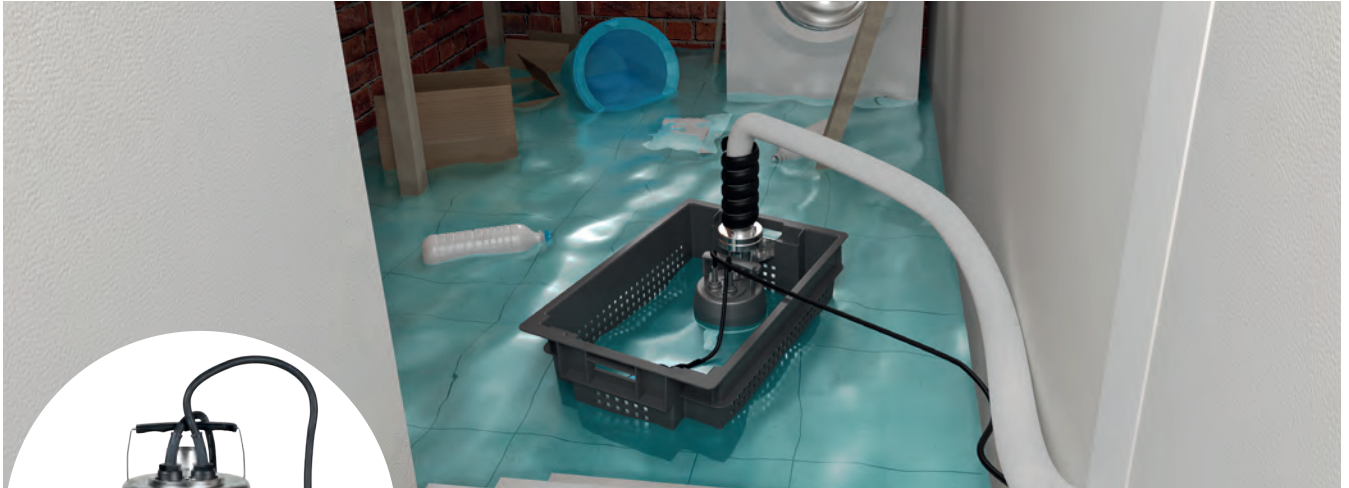


Dimensions (mm)

|                                               | Sanisub 400     |
|-----------------------------------------------|-----------------|
| <b>Material</b>                               |                 |
| Shaft                                         | Stainless steel |
| Pump housing                                  | PP GF           |
| Waterproofing                                 | NBR             |
| Motor housing                                 | Stainless steel |
| Impeller                                      | PA 6 GF         |
| <b>Electrical features</b>                    |                 |
| 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              |
| <b>Hydraulics</b>                             |                 |
| Total manometric head (m)                     | 7.5             |
| Max. flow rate (m <sup>3</sup> /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           |
| <b>Identification and logistics</b>           |                 |
| 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 m<sup>3</sup>/h

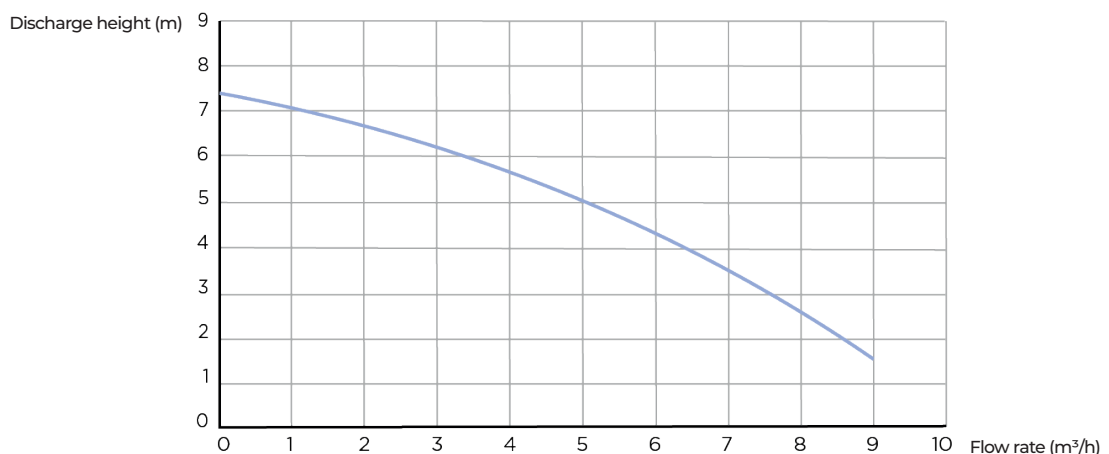
## PRODUCT BENEFITS

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

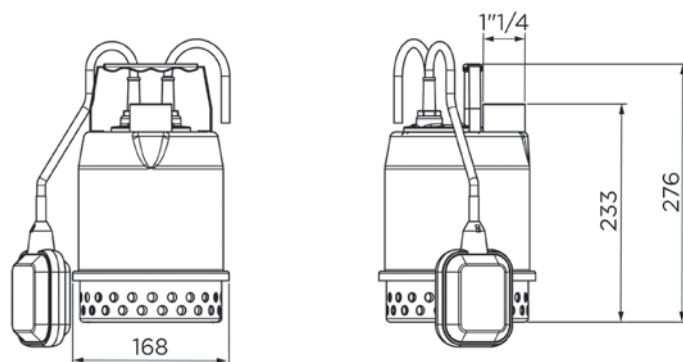
## PACKAGING

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 <sup>3</sup> /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 m<sup>3</sup>/h

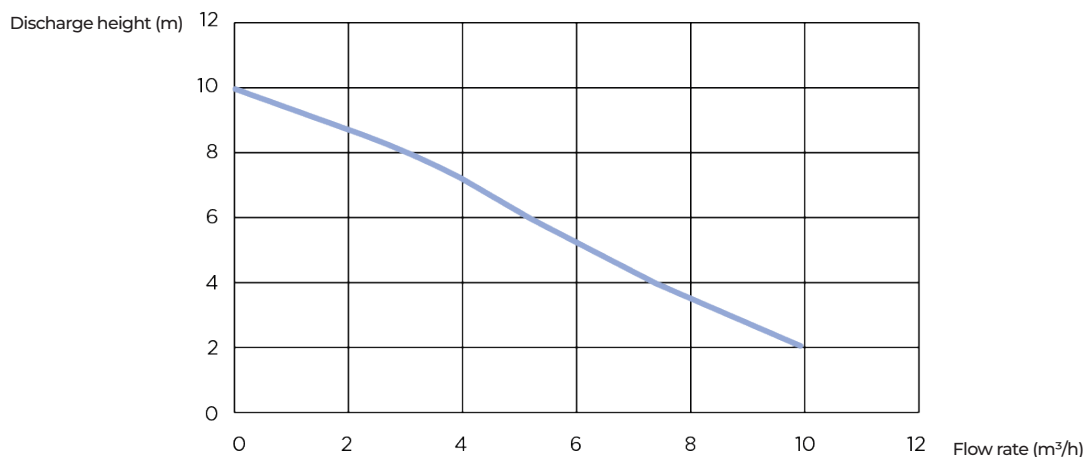
## PRODUCT BENEFITS

- 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.

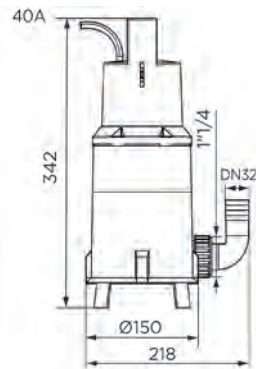
## PACKAGING

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

## CURVE



## DIMENSIONS



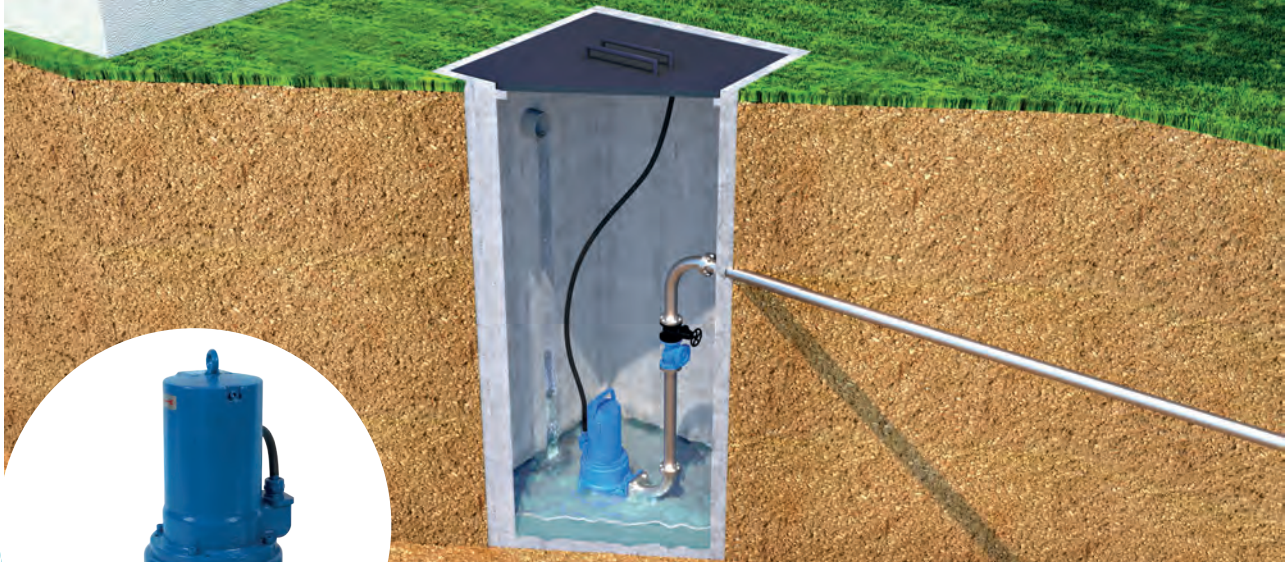
Dimensions (mm)

### 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 <sup>3</sup> /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 m<sup>3</sup>/h
- depending on model

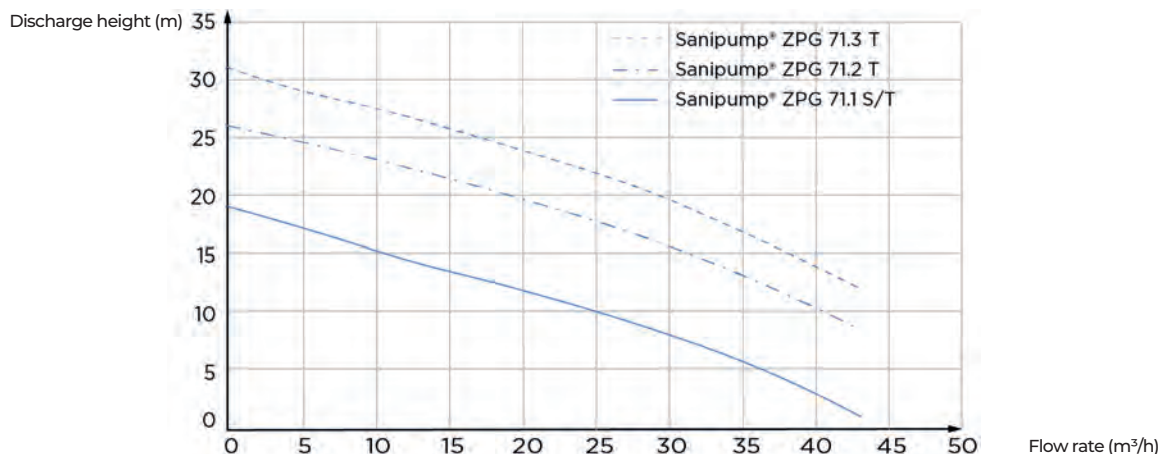
## PRODUCT BENEFITS

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

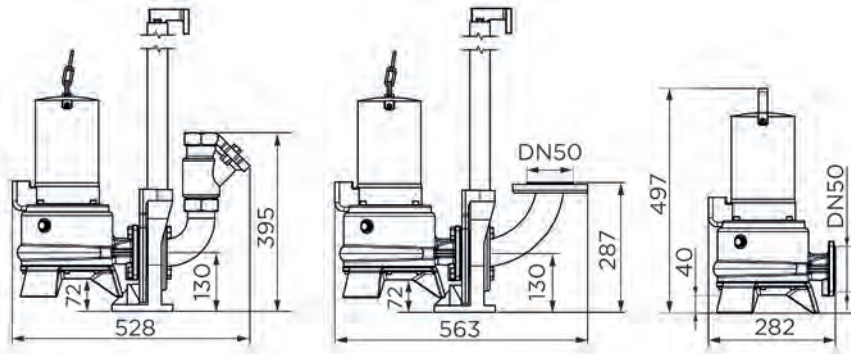
## PACKAGING

Sanipump ZPG pump, stand

## CURVE



## DIMENSIONS

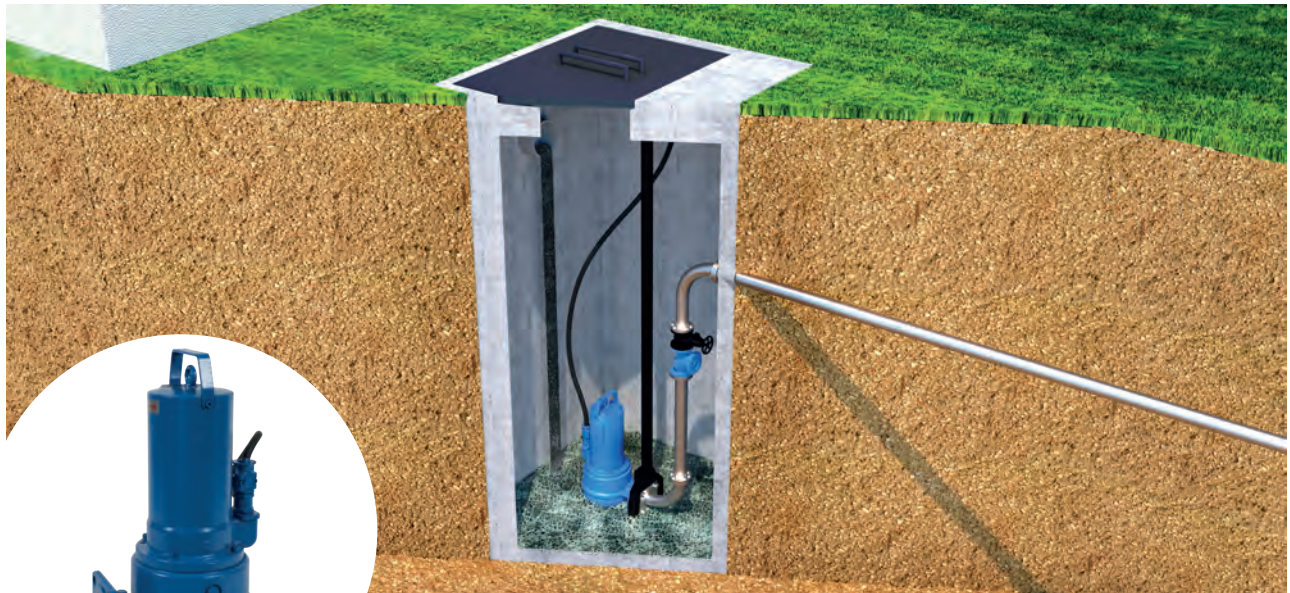


Dimensions (mm)

|                                                         | Sanipump ZPG 71.1 S | Sanipump ZPG 71.1 T | Sanipump ZPG 71.2 T | Sanipump ZPG 71.3 T |
|---------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|
| <b>Material</b>                                         |                     |                     |                     |                     |
| 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               |
| <b>Electrical features</b>                              |                     |                     |                     |                     |
| 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 <sup>2</sup> ) | SIBN8-F, 1,5        | SIBN8-F, 1,5        | SIBN8-F, 1,5        | SIBN8-F, 1,5        |
| <b>Hydraulics</b>                                       |                     |                     |                     |                     |
| Total manometric head (m)                               | 19                  | 19                  | 26                  | 31                  |
| Max. flow rate (m <sup>3</sup> /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         |
| <b>Identification and logistics</b>                     |                     |                     |                     |                     |
| 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 m<sup>3</sup>/h
- depending on model

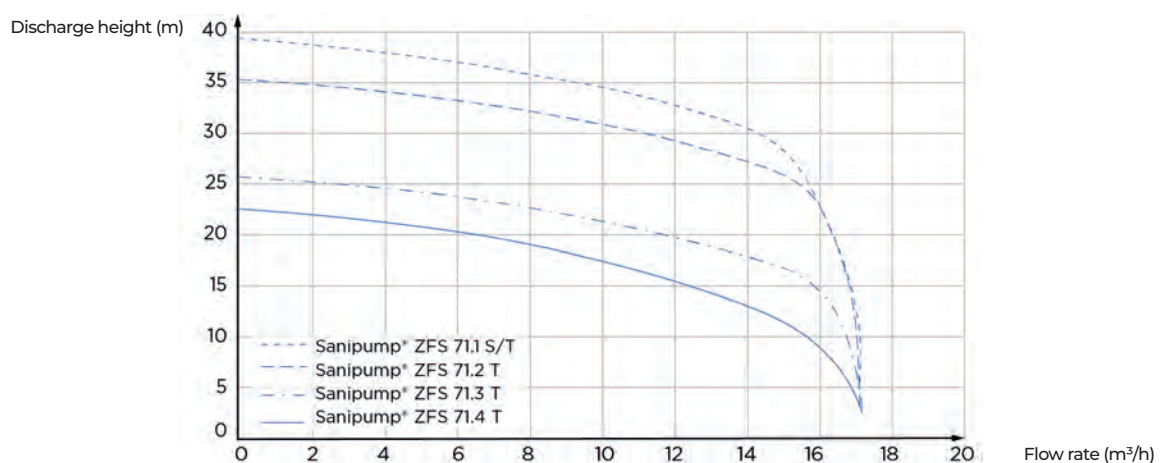
## PACKAGING

Sanipump ZFS pump

## PRODUCT BENEFITS

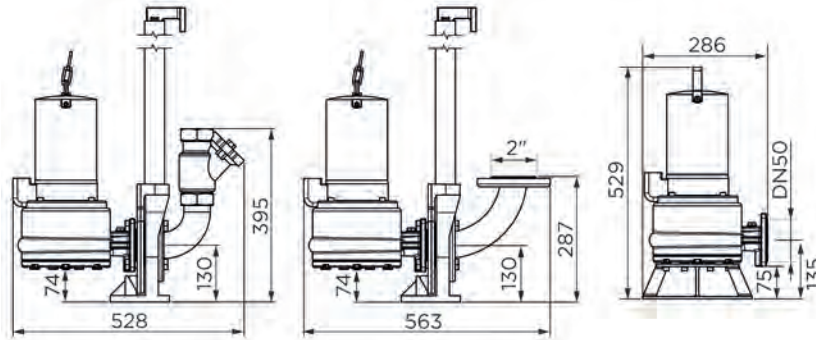
- Expansion wheel.
- Mode S1 (if motor fully immersed).
- ATEX pump.
- 5 versions, single and three-phase.
- Discharge in DN50.
- Double mechanical seal.

## CURVE





## DIMENSIONS



Dimensions (mm)

|                                                         | Sanipump ZFS<br>71.1 S | Sanipump ZFS<br>71.1 T | Sanipump ZFS<br>71.2T | Sanipump ZFS<br>71.3T | Sanipump ZFS<br>71.4T |
|---------------------------------------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|
| <b>Material</b>                                         |                        |                        |                       |                       |                       |
| 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                 |
| <b>Electrical features</b>                              |                        |                        |                       |                       |                       |
| 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 <sup>2</sup> ) | S1BN8-F, 1,5           | S1BN8-F, 1,5           | S1BN8-F, 1,5          | S1BN8-F, 1,5          | S1BN8-F, 1,5          |
| <b>Hydraulics</b>                                       |                        |                        |                       |                       |                       |
| Total manometric head (m)                               | 22                     | 22                     | 25                    | 35                    | 39                    |
| Max. flow rate (m <sup>3</sup> /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      |
| <b>Identification and logistics</b>                     |                        |                        |                       |                       |                       |
| 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 m<sup>3</sup>/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 m<sup>3</sup>/h

depending on model

## PACKAGING

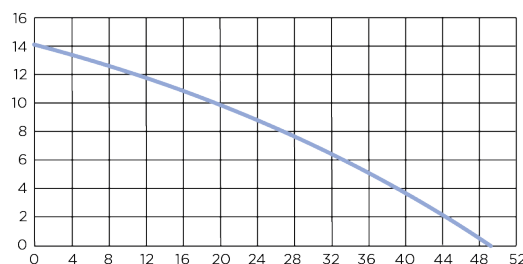
Sanipump SLD pump

## PRODUCT BENEFITS

- High flow rates: up to 48 m<sup>3</sup>/hour.
- Submerged S1 mode.
- Rainwater discharge.
- Bi-channel wheel with 50 mm free passage.
- Single-phase or three-phase versions.
- Foot or coupling system.

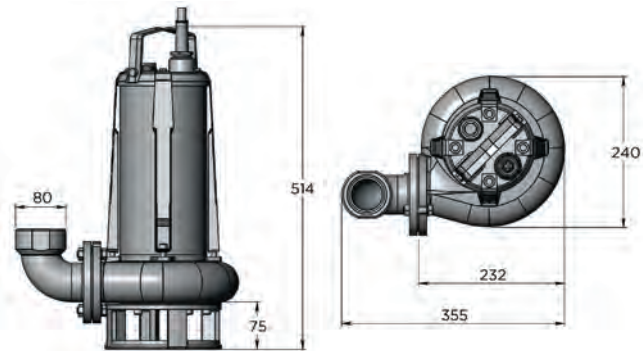
## CURVE

Discharge height (m)



Flow rate (m<sup>3</sup>/h)

## DIMENSIONS



Dimensions (mm)

|                                               | Sanipump SLD 700 S | Sanipump SLD 700 SA | Sanipump SLD 700 T |
|-----------------------------------------------|--------------------|---------------------|--------------------|
| <b>Material</b>                               |                    |                     |                    |
| 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              |
| <b>Electrical features</b>                    |                    |                     |                    |
| 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                 |
| <b>Hydraulics</b>                             |                    |                     |                    |
| Total manometric head (m)                     | 14                 | 14                  | 14                 |
| Max. flow rate (m <sup>3</sup> /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               | -                  |
| <b>Identification and logistics</b>           |                    |                     |                    |
| 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 (m<sup>3</sup>/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 <sup>3</sup> /hr |
| Up to 2 residences (4 to 6 inhabitants)   | 5 m <sup>3</sup> /hr   |
| Up to 4 residences (7 to 9 inhabitants)   | 10 m <sup>3</sup> /hr  |
| Up to 6 residences (10 to 12 inhabitants) | 15 m <sup>3</sup> /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 <sup>3</sup> /hr | DN PN10 pressure PVC piping |                  |                |                 |                  |                     |
|----------------------------|-----------------------------|------------------|----------------|-----------------|------------------|---------------------|
|                            | DN 32<br>36.2/40            | DN 40<br>45.2/50 | DN 50<br>57/63 | DN65<br>67.8/75 | DN 80<br>81.4/90 | DN 100<br>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 m<sup>3</sup>/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 m<sup>3</sup>/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



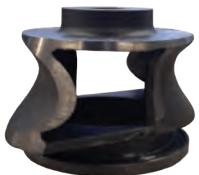
### KX V6 VORTEX WHEEL

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

.....

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Sanicom® 1</b><br>Grey water<br>p.56          | ✓                                                                                            | ✓                                                                                            |                                                                                              | <ul style="list-style-type: none"> <li>• Bakeries, laboratories, smoothie bars: pumping for sinks, bars, dishwashers, glass washers</li> <li>• Hair salons: pumping for hair disposal trays in hair salons</li> <li>• Gymnasiums, restaurants, dental and veterinary practices: water pumping from sanitary facilities with sinks, showers and urinals</li> <li>• Bread oven: high temperature condensates drainage</li> <li>• Boiler room and softeners: grey water drainage</li> <li>• Production water drainage</li> </ul> |
|    | <b>Sanicom® 2</b><br>Grey water<br>p.58          | ✓                                                                                            | ✓                                                                                            |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|   | <b>Sanicubic 1 WP</b><br>Wastewater<br>p.60      | ✓                                                                                            |                                                                                              |                                                                                              | <ul style="list-style-type: none"> <li>• Entire detached house: wastewater drainage</li> <li>• House extension or pool house design: wastewater drainage</li> <li>• Factory extension (design of sanitary fittings, toilet, sinks and urinals): wastewater drainage</li> <li>• Site base camp, cultural events: wastewater drainage</li> <li>• River developments, floating chalets, barges: wastewater drainage</li> </ul>                                                                                                   |
|  | <b>Sanicubic 2 Classic</b><br>Wastewater<br>p.62 |                                                                                              | ✓                                                                                            |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|  | <b>Sanicubic 1 GR</b><br>Wastewater<br>p.64      |                                                                                              | ✓                                                                                            |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|  | <b>Sanicubic 2 GR</b><br>Wastewater<br>p.66      |                                                                                              | ✓                                                                                            |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|  | <b>Sanicubic 1 VX</b><br>Wastewater<br>p.68      | ✓                                                                                            | ✓                                                                                            |                                                                                              | <ul style="list-style-type: none"> <li>• Apartments: pumping starting from 2 apartments on the same station</li> <li>• Bars and restaurants: wastewater drainage</li> <li>• Stadiums: wastewater drainage</li> <li>• Hotels, camp sites, offices: wastewater drainage</li> <li>• Boats: wastewater drainage</li> </ul>                                                                                                                                                                                                        |
|   | <b>Sanicubic 2 VX</b><br>Wastewater<br>p.70      |                                                                                              | ✓                                                                                            | ✓                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|  | <b>Sanicubic 1 SC</b><br>Wastewater<br>p.72      |                                                                                              | ✓                                                                                            | ✓                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|   | <b>Sanicubic 2 SC</b><br>Wastewater<br>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 m<sup>3</sup>/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



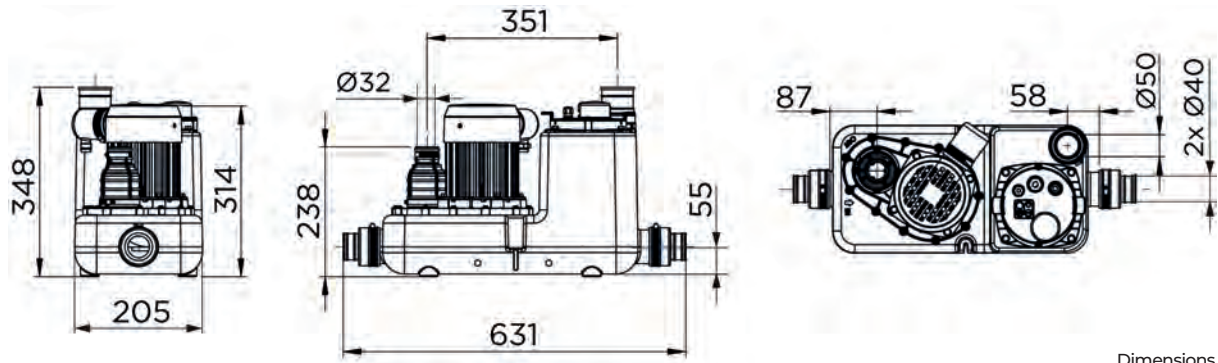
- ➔ External inlet diameter : 40, 50 mm
- ➔ Discharge diameter ext. : 32 mm
- ↔ Ext. ventilation diameter : 50 mm



Multi-channel



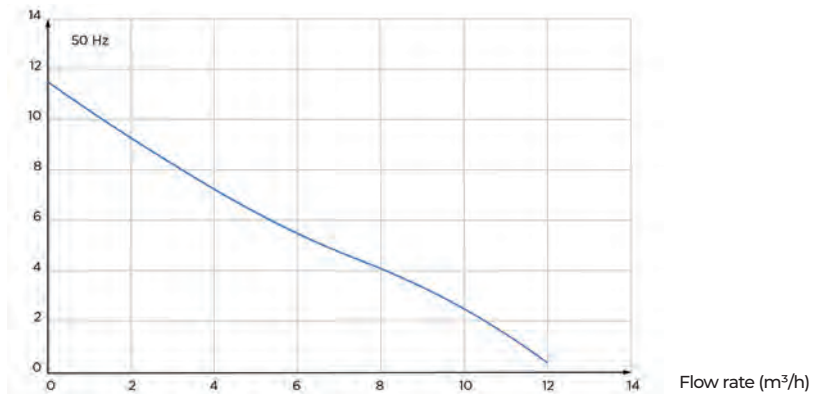
## DIMENSIONS



Dimensions (mm)

## CURVE

Discharge height (m)



Flow rate (m<sup>3</sup>/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 <sup>3</sup> /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 m<sup>3</sup>/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

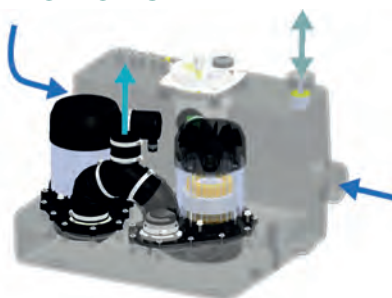


## OPTIONAL EXTRAS

Wired alarm box Sanicom 2



## CONNECTIONS



External inlet diameter : 40, 50, 80 mm

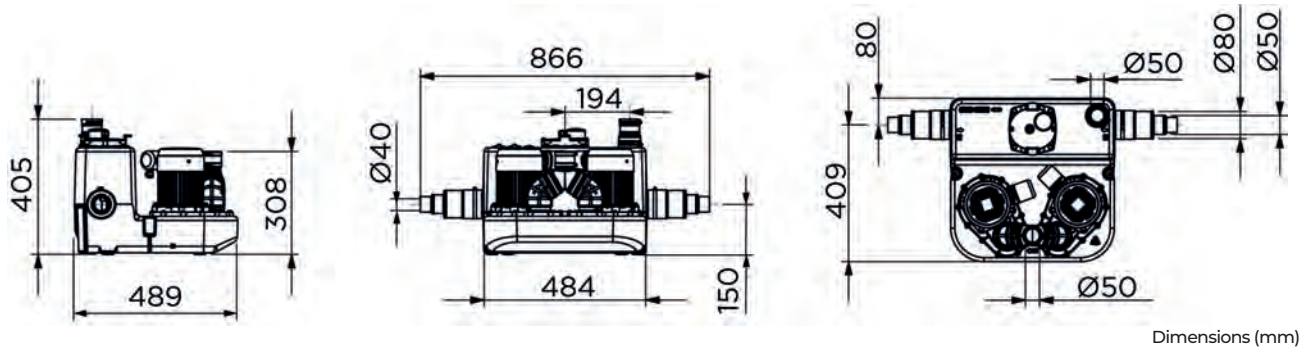
Discharge diameter ext. : 50 mm

Ext. ventilation diameter : 50 mm

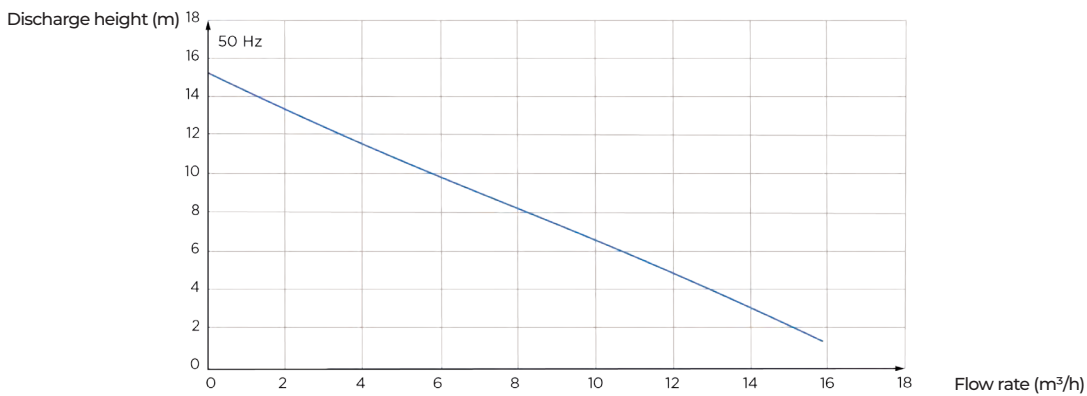


Multi-channel

## 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 <sup>3</sup> /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 m<sup>3</sup>/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

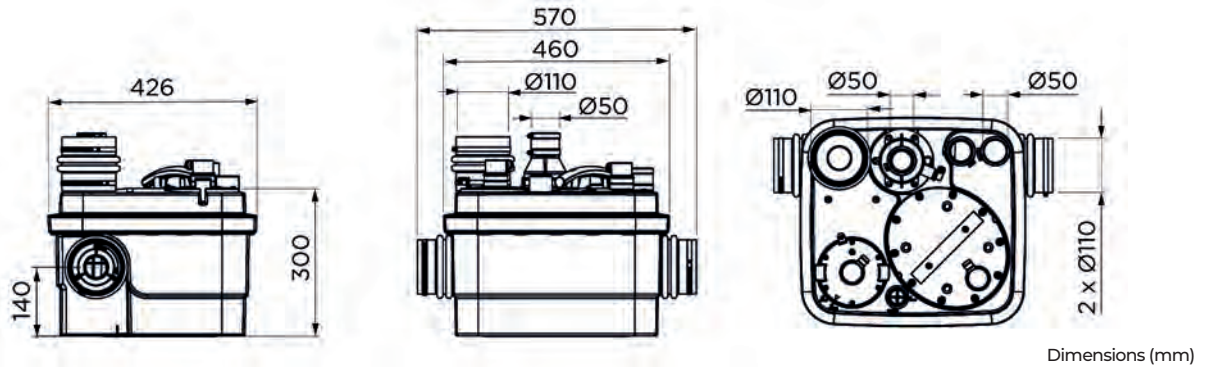
Discharge diameter ext. : 50 mm

Ext. ventilation diameter : 50 mm



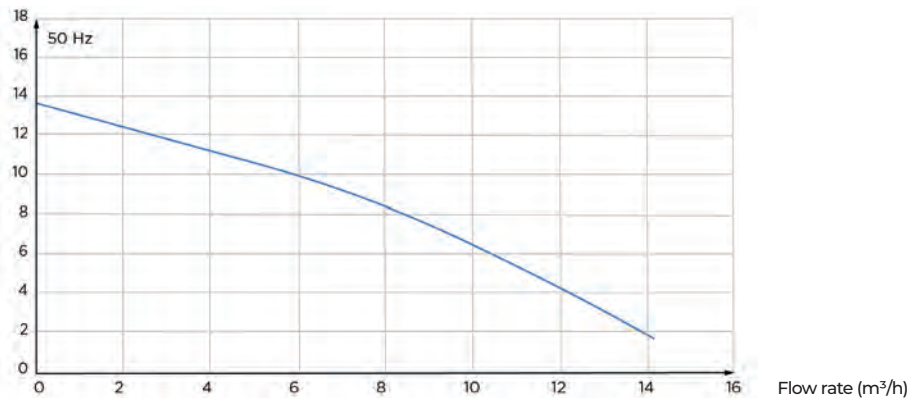
Pro X K2 grinder

## 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 (m <sup>3</sup> /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 m<sup>3</sup>/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

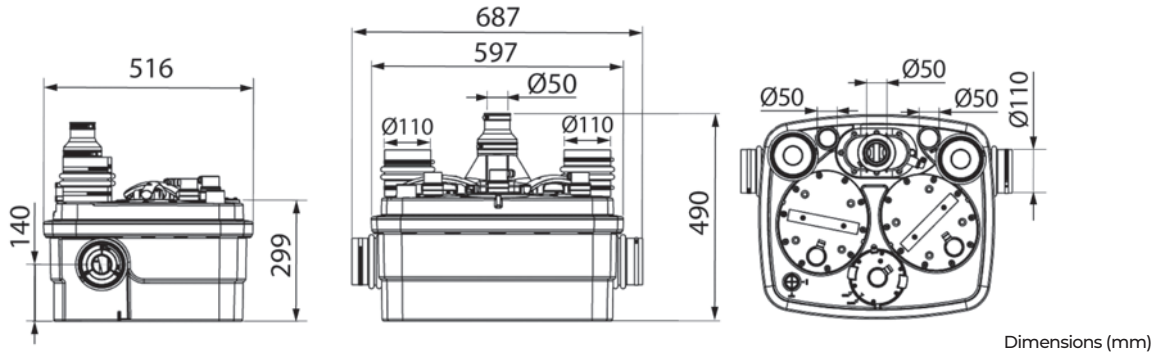
Discharge diameter ext. : 50 mm

Ext. ventilation diameter : 50 mm

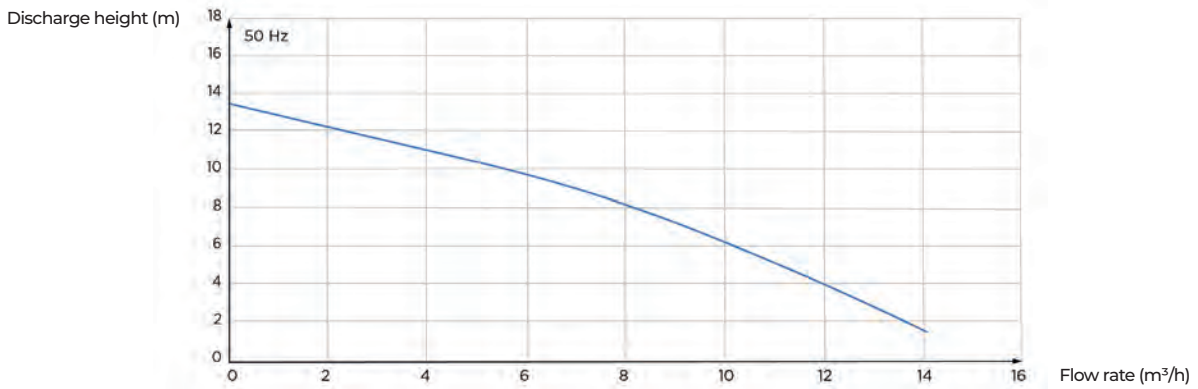


Pro X K2 grinder

## 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 m<sup>3</sup>/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



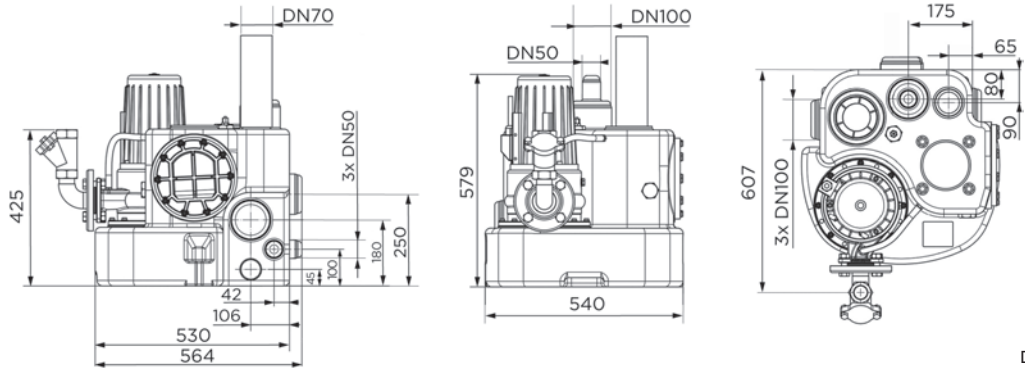
- Inlet diameter DN : 50, 100
- Discharge diameter DN : 50
- Ext. ventilation diameter : 75 mm



Pro X K3 grinder



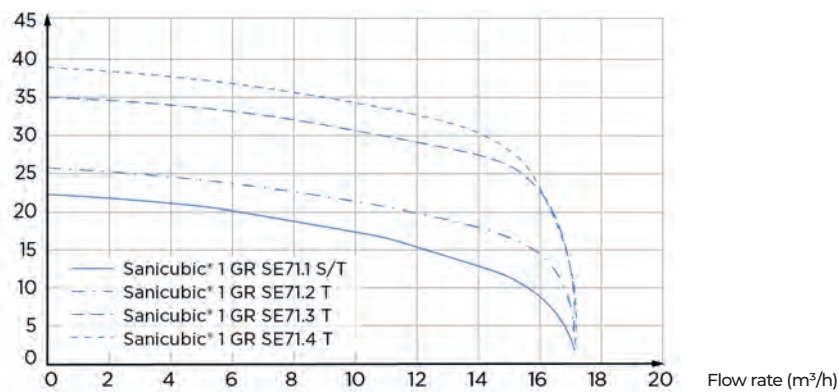
## DIMENSIONS



Dimensions (mm)

## CURVE

Discharge height (m)



Flow rate (m<sup>3</sup>/h)

|                                               | Sanicubic 1 GR<br>SE71.1 S | Sanicubic 1 GR<br>SE71.1 T | Sanicubic 1 GR<br>SE71.2 T | Sanicubic 1 GR<br>SE71.3 T | Sanicubic 1 GR<br>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 <sup>3</sup> /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 m<sup>3</sup>/h

DEPENDING ON MODEL

## PRODUCT BENEFITS

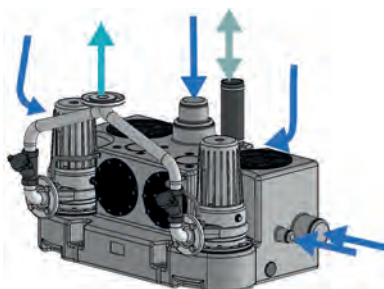
- Installation without excavation.
- Accessibility in case of maintenance.
- Expansion wheels.
- 3 inlets DN 100, 2 inlets DN 50.
- 150 litre tank.
- 4 three-phase versions.
- Including non-return valve & outlet flange.

## DELIVERED AS STANDARD

ZPS control boxes - two-pump versions



## CONNECTIONS

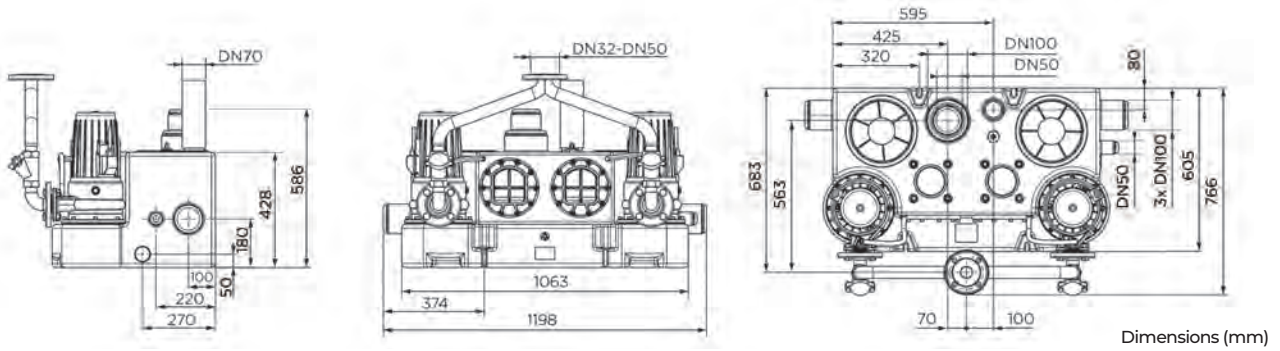


- Inlet diameter DN : 100, 150
- Discharge diameter DN : 50
- Ext. ventilation diameter : 75 mm



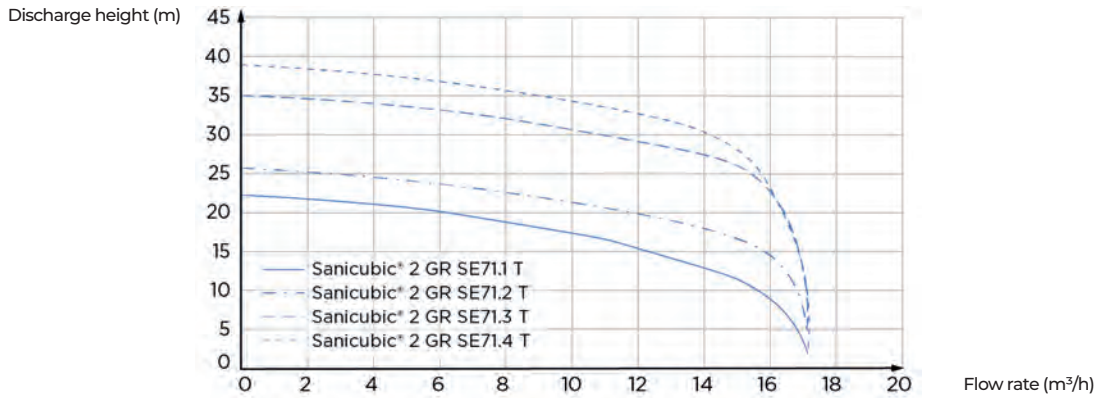
Pro X K3 grinder

## 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 m<sup>3</sup>/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.



BV Cert. 60453364



## DELIVERED AS STANDARD

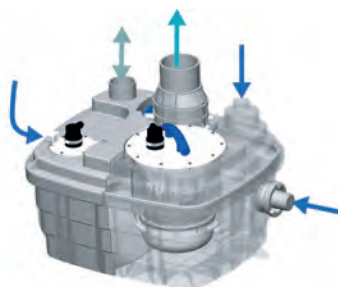
Classic control Box




Remote wired audible and visual alarm unit (5m)



## CONNECTIONS



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

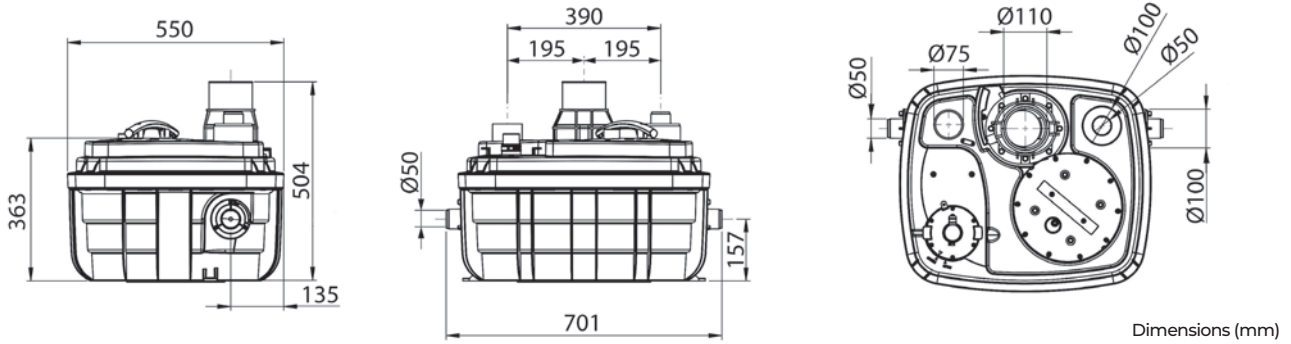
 Discharge diameter ext. : 90/110 mm

 Ext. ventilation diameter : 75 mm



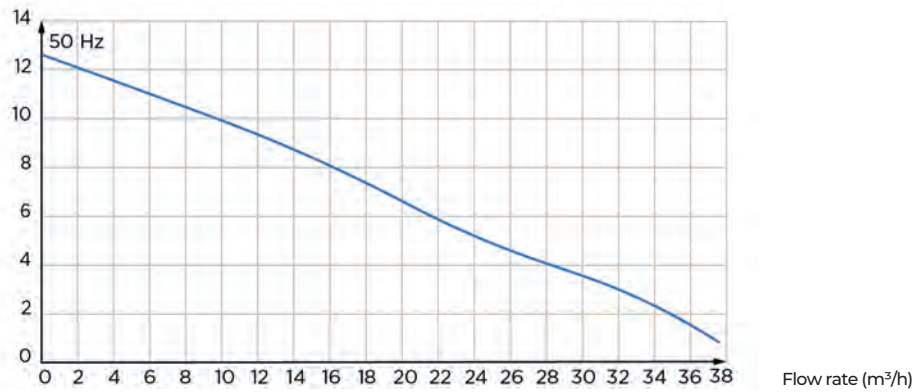
Impeller vortex

## 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 <sup>3</sup> /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 m<sup>3</sup>/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.



BY Cert. 6043364



## DELIVERED AS STANDARD

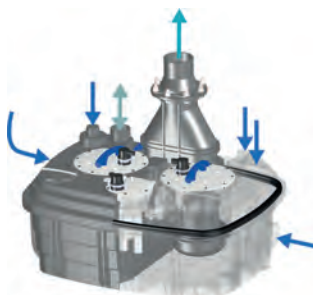
Classic control Box



Remote wired audible and visual alarm unit (5m)



## CONNECTIONS



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

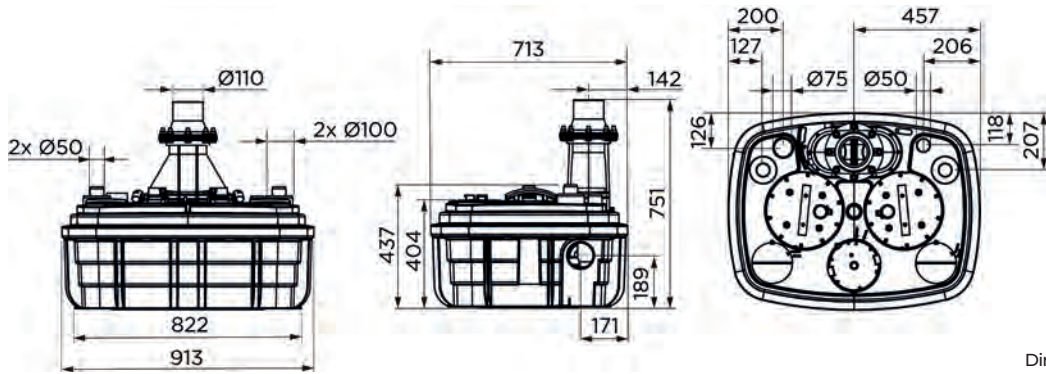
 Discharge diameter ext. : 90/110 mm

 Ext. ventilation diameter : 75 mm



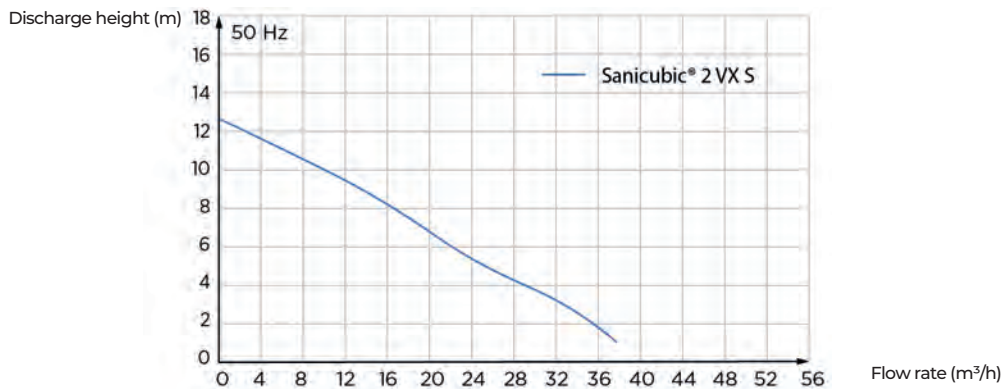
Vortex

## 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 <sup>3</sup> /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 m<sup>3</sup>/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

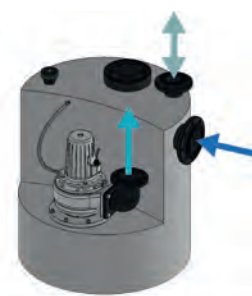
Control boxes ZPS - single pump version



PS2 system box



## CONNECTIONS



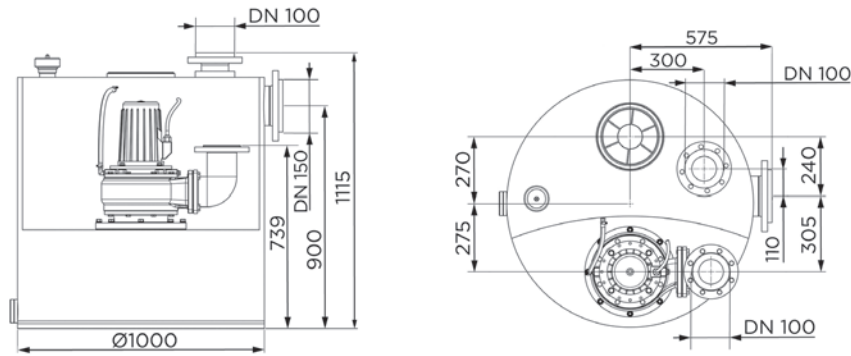
- Inlet diameter DN : 150
- Discharge diameter DN : 100
- Ventilation diameter DN : 100



Single-channel

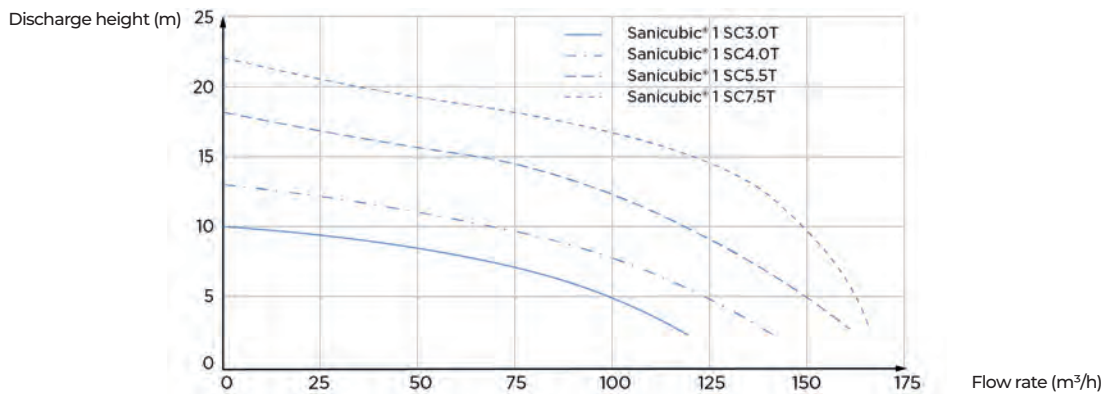


## DIMENSIONS



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      |
| <b>Material</b>                               |                     |                     |                     |                     |
| 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               |
| <b>Technical features</b>                     |                     |                     |                     |                     |
| 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                |
| <b>Hydraulics</b>                             |                     |                     |                     |                     |
| 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           |
| <b>Identification and logistics</b>           |                     |                     |                     |                     |
| 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 m<sup>3</sup>/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

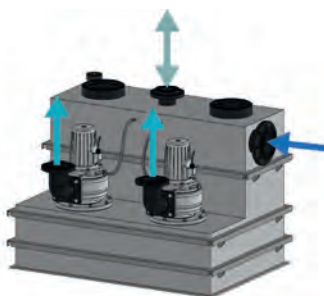
ZPS control boxes - two-pump versions



PS2 system box



## CONNECTIONS

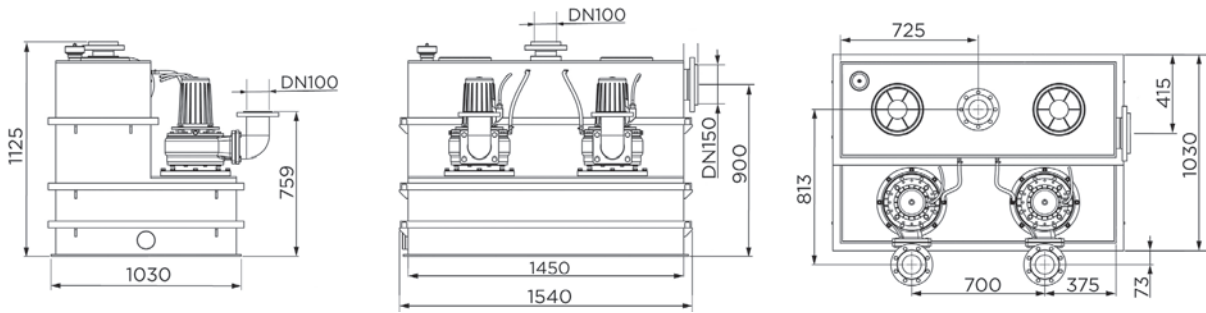


- Inlet diameter DN : 150
- Discharge diameter DN : 100
- Ventilation diameter DN : 100



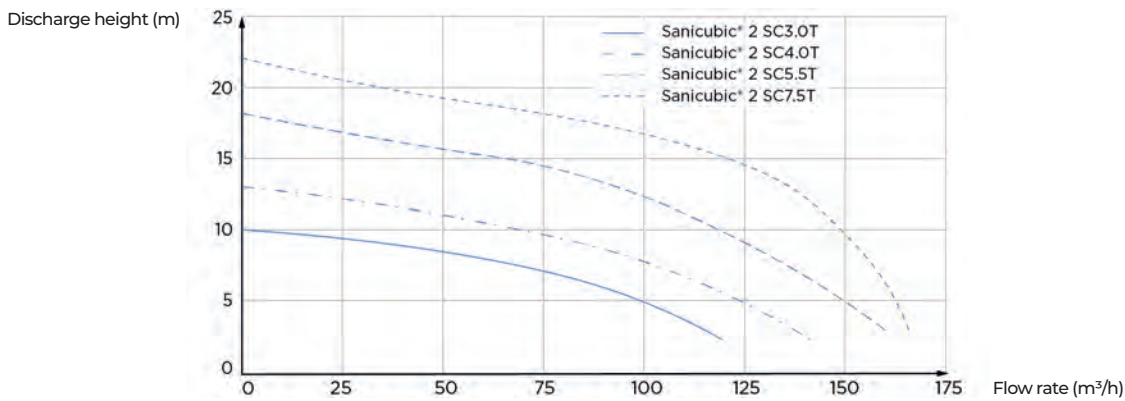
Single-channel

## DIMENSIONS



Dimensions (mm)

## CURVE

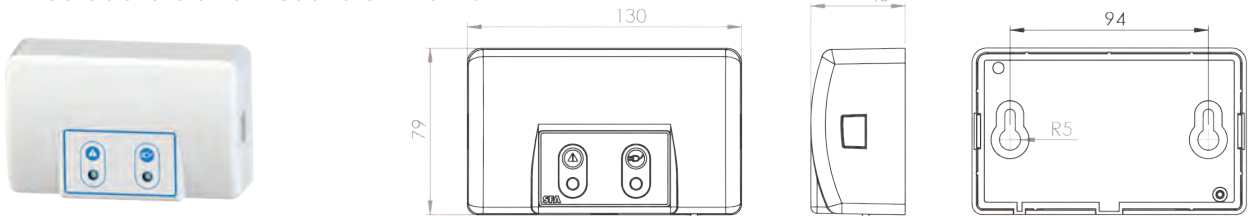


|                                               | Sanicubic 2 SC3.0 T | Sanicubic 2 SC4.0 T | Sanicubic 2 SC5.5 T | Sanicubic 2 SC7.5 T |
|-----------------------------------------------|---------------------|---------------------|---------------------|---------------------|
| Type of control box                           | 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 <sup>3</sup> /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



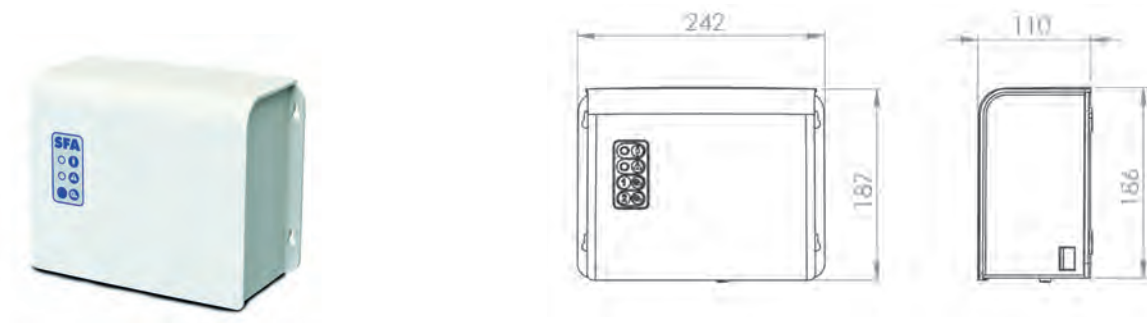
The Sanicom 1 alarm is a 5 m long wired alarm allowing you to monitor your Sanicom 1 from another room. This alarm is powered by the station and therefore does not require an independent power supply. In case of power failure, the battery of the alarm box takes over. The alarm box can detect an abnormal 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<br>Sanicubic 1 WP<br>Sanicubic 1 VX<br>Sanicubic 2 Classic<br>Sanicubic 2 VX | delivered as standard |

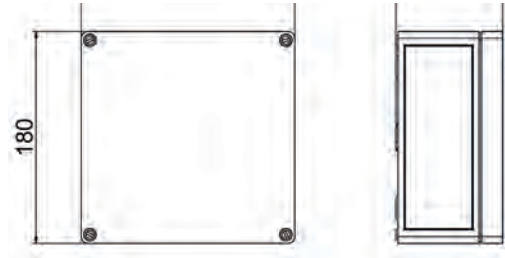
## ZPS Control box



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



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

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

# Sanigrease T 40/T 60/T 80/T 100

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.

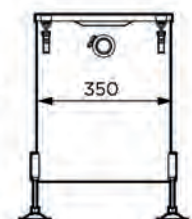
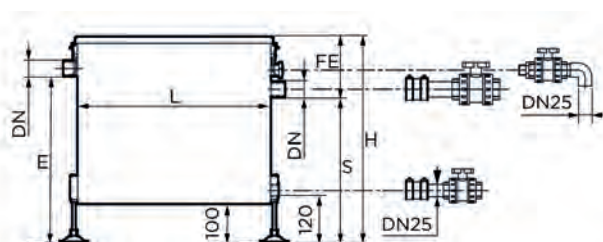
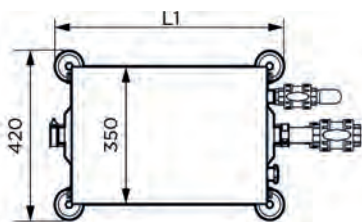


## PRODUCT BENEFITS

- 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 |
|-------------------------------------|-----------------|-----------------|-----------------|------------------|
| <b>Material</b>                     |                 |                 |                 |                  |
| Tank                                | Stainless steel | Stainless steel | Stainless steel | Stainless steel  |
| <b>Hydraulics</b>                   |                 |                 |                 |                  |
| 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               |
| <b>Identification and logistics</b> |                 |                 |                 |                  |
| 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.

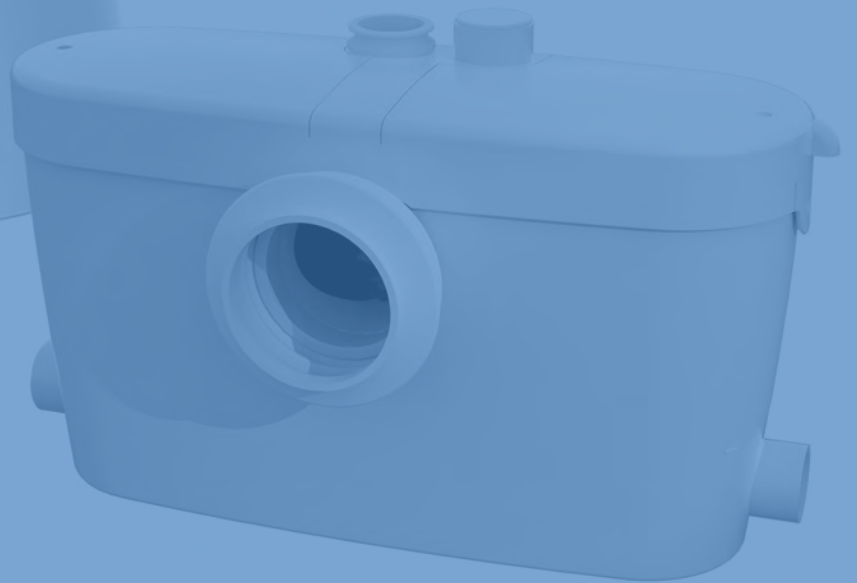
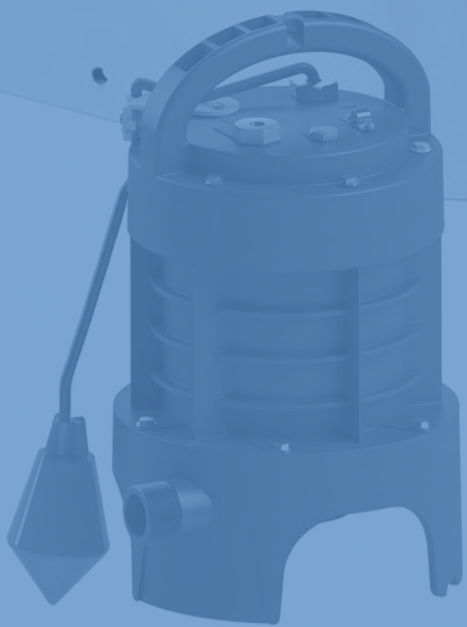
◊ Our commitment to integrity leads us to strictly respect our duty of honesty in our business relationships. It requires all of us; management in particular, to lead by example in fulfilling our duties to our clients, colleagues and all other stakeholders.

◊ 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