SFA - SANIFLO

Pumps and lifting stations

SFA, WORLD LEADER IN SANITARY FACILITIES
MADE IN FRANCE

BVCert. 6045364

For 60 years, **the Société Française d'Assainissement [French Sanitation Company]** has worked on improving the water treatment process with **Europelec**. The Group, which is also the inventor of the famous SANIBROYEUR® SFA, has a worldwide presence (25 subsidaries). Today, it is one of the world leaders in the field of lifting stations.

The technological expertise acquired on these products and its market knowledge have enabled the Group to expand its range of services: from the SANIBROYEUR® to the floor-standing or underground lifting station.

It now offers a full range of products designed for individual, commercial, industrial and communal use and provides real expertise.

> DESIGN

At the company headquarters, located in the heart of Paris, the engineering team designs new products to meet market expectations. The prototypes are tested by our laboratories within the productions units to ensure their reliability.

> FRENCH MANUFACTURING

The Group has production units in France with ISO 9001 and ISO 14001 certification. This enables product quality to be controlled.

> MARKETING

The Group works closely with its partners by ensuring its teams of experts are available to assist them in the sale of its high-tech products.

60 YEARS OF INNOVATION

25 SUBSIDIARIES

60 DISTRIBUTORS WORLDWIDE

3 FRENCH PRODUCTION SITES

INNOVATION / INDUSTRIAL EFFICIENCY / CUSTOMER SERVICE

SERVICES

SFA offers high-performance products, manufactured in France and also professional inclusive support.
SFA is with you through every step of your project:
from the design, to selecting the appliance model, through to its installation.

HELP TO **CHOOSE** YOUR **PUMPING STATION**

1

DETERMINE THE REQUIRED FLOW RATE

The flow rate is the amount of water to be evacuated according to the type and number of devices connected to the pumping station.
The flow rate measures a volume per unit of time. It is expressed in cubic metres per hour (m^3/h) or litres per second (L/s).

Estimated flow rate

On the basis of 1 residence comprising: 1 WC, 1 bath, 1 shower, 1 basin, 1 sink, 1 washing machine, 1 dishwasher

Number of residences	Flow rate
1 residence (1 to 3 people)	**2.5 m³/h**
Up to **2 residences** (4 to 6 people)	**5 m³/h**
Up to **4 residences** (7 to 9 people)	**10 m³/h**
Up to **6 residences** (10 to 12 people)	**15 m³/h**

2

CALCULATE THE TOTAL DYNAMIC HEAD (TDH)

TDH is the pressure 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 meters.

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

There are 2 types of friction loss:

- **regular friction losses** (or linear) : these result from the friction of the fluid against the walls of the discharge pipe
- **singular friction losses :** these result from pipework fittings (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 discharge pipe to obtain the total loss of loads.

Table of friction losses

Flow rate in m^3/h	Pipework of PVC pressure pipes			
	Ø INT / EXT Ø 40/49	Ø INT / EXT Ø 50/60	Ø INT / EXT Ø 80/90	Ø INT / EXT Ø 102/114
2.5	0.011	-	-	-
5	0.038	0.009	0.001	-
6	0.055	0.013	0.002	-
7	0.067	0.017	0.003	-
8	0.078	0.020	0.003	0.001
9	0.099	0.025	0.004	0.002
10	0.120	0.030	0.005	0.002
12	0.160	0.045	0.006	0.002
15	0.250	0.065	0.009	0.003
20	-	0.100	0.014	0.005
25	-	0.160	0.020	0.008
30	-	0.23	0.030	0.010
40	-	0.35	0.045	0.017

These values have been increased to account for the check valves, elbows...

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

The volume of the tank can then be decided in accordance with the specific constraints of each installation.

CASE STUDY

Two residences are connected to a lifting station. The station must discharge wastewater at a height of 4 m over a length of 10 m in 50 mm PVC outside.

- **Geometric height:** 4 m.
- **Friction losses:** for 2 residences, we estimate the flow rate at peak times to be 5 m^3/h.

According to the friction loss table, the height is :
0.038 x 10 = 0.38 m

→ **the total dynamic head will be :**
4 m + 0.38 m = 4.38 m

→ The station has the following criteria :
TDH = 4.38 m and flow rate rate = 5 m^3/h

Our client wants to install an underground pumping station in his garden.

The SANIFOS® range corresponds to his needs. Its installation requirements correspond with a 250 litre tank.

Analysis of the pump curve for the SANIFOS® confirms to us that the SANIFOS® 250 meets the needs of the installation.

FIND OUT MORE INFORMATION ABOUT THE PUMPING STATION SIZES IN OUR SFA PUMPING STATION INSTALLATION GUIDE.

TYPICAL APPLICATIONS FOR LIFTING STATIONS

		FLOOR-STANDING LIFTING STATIONS	UNDERGROUND LIFTING STATIONS
INDIVIDUAL USE SMALL HOUSES, DETACHED HOUSES	GREY AND BLACK WATER	SANICUBIC® 1 WP	SANIFOS® 110 SANIFOS® 250
COMMERCIAL USE SHOPS, PUBLIC PLACES	GREY AND BLACK WATER	SANICUBIC® 2 CLASSIC SANICUBIC® 2 PRO SANICUBIC® 2 XL	SANIFOS® 110 SANIFOS® 250 SANIFOS® 500
COMMUNAL USE SMALL COMMUNAL GROUP, PROFESSIONAL BUILDINGS	GREY AND BLACK WATER	SANICUBIC® 2 XL	SANIFOS® 500

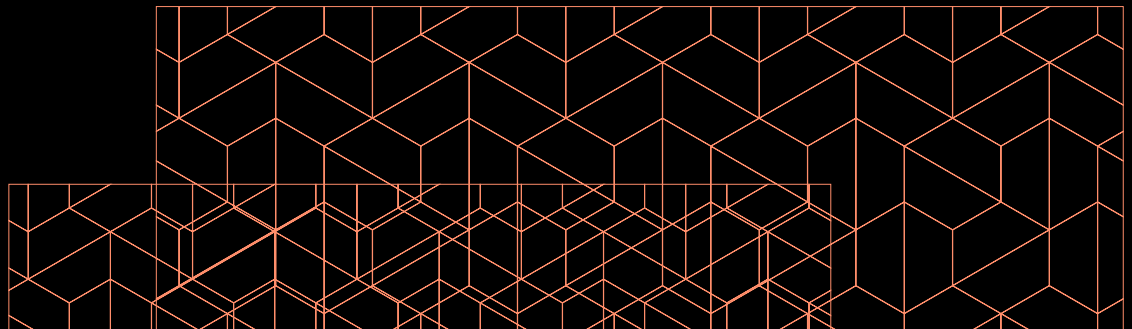
PRODUCTS

Saniflo offers a wide range of lifting stations to meet all your needs: lifting stations for grey water or black water, floor-standing or underground in a single or three-phase version, with or without grinding system.

FLOOR-STANDING
PUMPING STATION
• LOW INSTALLATION COST
• EASY ACCESS FOR MAINTENANCE

&

UNDERGROUND
PUMPING STATION
• SAVING SPACE IN YOUR HOME
• COMPLETELY DISCREET OPERATION



THE BENEFITS

SFA PUMPS
SFA GRINDING

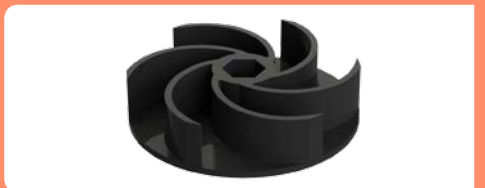
> THE PUMPS

The pump is the main element of the pumping station.
It pumps away waste water from an installation.

SFA is always innovating and improving the performance and reliability of its pumps.

The safety of the pumps are guaranteed by extensive testing during the design phase in our French factories: two 100% electric tests, one 100% watertightness test and finally an operational test.

OUR DIFFERENT SYSTEMS:



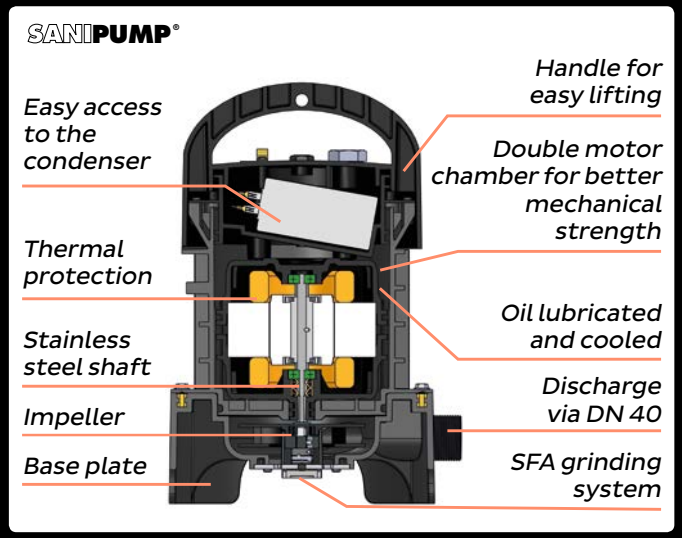
*VORTEX **KX V6***

SANICUBIC® 2 XL

*Grinding BLADE **ProX K2** (Impeller not shown)*

SANICUBIC® 1 WP and **2**
SANIFOS®

THE SFA PUMPS FROM THE SANICUBIC®* AND SANIFOS® RANGES INTEGRATE THE SFA GRINDING SYSTEM... KNOWN AND RECOGNISED FOR MANY YEARS.



ANTI-CLOGGING

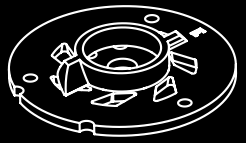
The ProX K2 grinding blade avoids the body of the pump becoming clogged for optimum operation of the installation.

Clogged pump, without grinding system

Clogged pipes and non-clogged pipes thanks to the grinding system

FACILITATED DISCHARGE

The SFA grinding blade also prevents the clogging of pipes and makes evacuate in small pipeworks possible.



SAFETY

The design of the ProX K2 grinding blade avoids clogging between the fixed plate and the moving blade for completely reliable operation.

* Except for SANICUBIC® 2 XL

INDIVIDUAL USE

SANICUBIC® 1 WP

FLOOR-STANDING PUMPING STATION

GREY WATER + BLACK WATER
WC, bathroom, kitchen and laundry

13 m

SFA grinding system
(see pg.08)

HIGH-PERFORMANCE OPERATION

- SFA grinding system
- Flow rate : 13 m^3/ h
- Discharge height of 13 m (Q = 0 l / min)

SAFE OPERATION

- Audible and visual alarm box
- 3 dip tubes : 2 for engaging the motor and 1 for the alarm
- IP68 reinforced watertightness and remote control

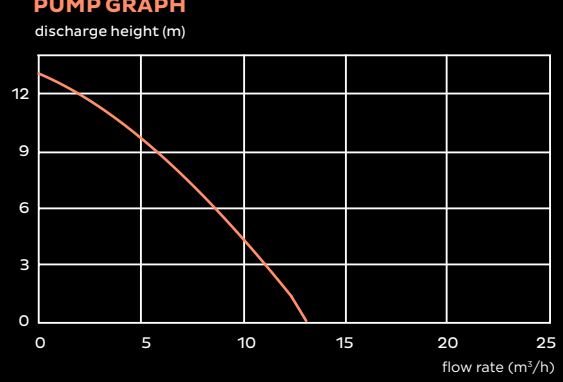
EASY INSTALLATION AND MAINTENANCE

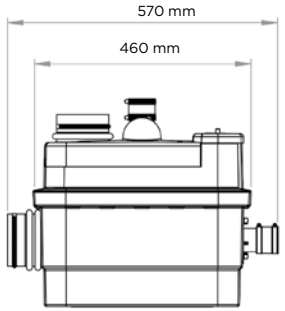
- Compact floor-standing unit
- 4 inlets available
- Discharge via DN 40 (Ø ext. 50 mm)

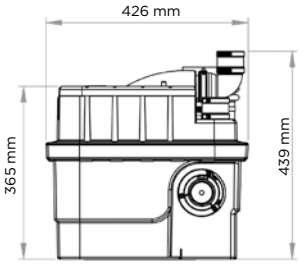
TECHNICAL CHARACTERISTICS:

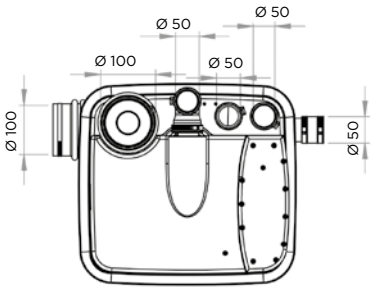
TANK	**Tank volume**	32 L
	Discharge pipework	DN 40 (Ext. Ø 50 mm)
	Inlet pipeworks	• 1 inlet (Ø ext. 40/50 mm) • 3 inlets (Ø ext. 40/50/100/110 mm)
	Ventilation	Ø ext. 50 mm
	Incoming waste water max. temperature	70°C intermittently (max. 5 mins)
	Built-in check valve	
	Material	Polypropylene 20 % fibreglass
PERFORMANCES	**Max. flow rate**	13 m³/h
	Max. height (Q=0 l/min)	13 m
PUMP	**Pump system**	Grinder
	Activation system	Dip tube
	Power	220-240 V/50 Hz
	Motor consumption	1500 W
	Max. intensity	6 A
	Weight (tank + pump)	23 kg
	Protection index	IP68
	Electric class	I
CONTROL BOX	**BMS connector**	Dry contact for the alarm (Building Management System)
	Protection index	IPX4
	Alarm box	Wired alarm

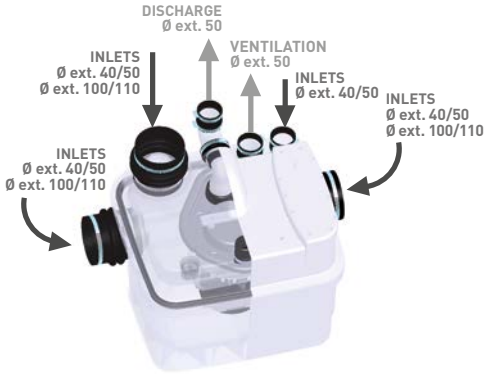
PUMP GRAPH

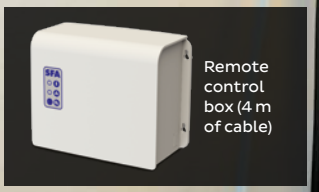


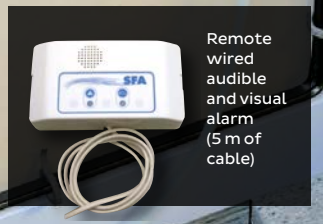









Remote control box (4 m of cable)


Remote wired audible and visual alarm (5 m of cable)

COMMERCIAL USE

SANICUBIC® 2 CLASSIC

FLOOR-STANDING PUMPING STATION

SANICUBIC® 2 PRO

FLOOR-STANDING PUMPING STATION

SFA grinding system
(see pg.08)

GREY WATER + BLACK WATER
small buildings or shops.

13 m

HIGH-PERFORMANCE OPERATION

- SFA grinding system
- Flow rate: 13 m^3/ h
- Discharge height of 13 m (Q=0 l/min)
- 2 motors for intensive use

SAFE OPERATION

- 2 motors with duty standby system
- Remote audible and visual alarm box (wireless on the PRO version)
- 3 dip tubes: 2 for engaging the motor and 1 for the alarm
- IP68 waterproof

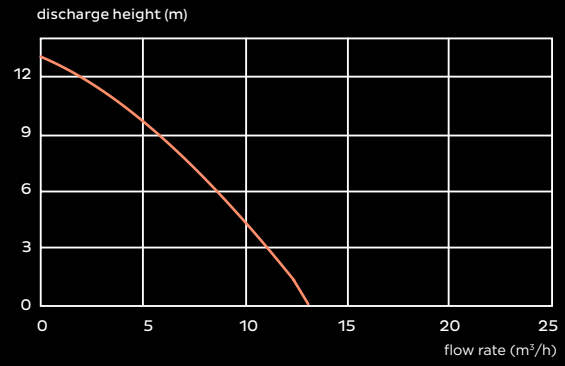
EASY INSTALLATION AND MAINTENANCE

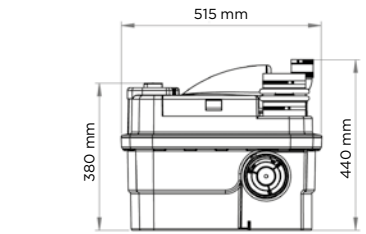
- Compact floor-standing unit
- 5 inlets available
- Discharge via DN 40 (Ø ext. 50 mm)

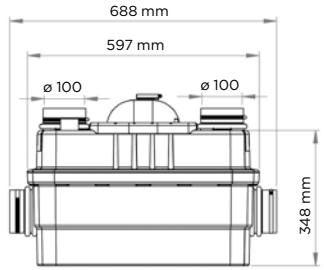
TECHNICAL CHARACTERISTICS:

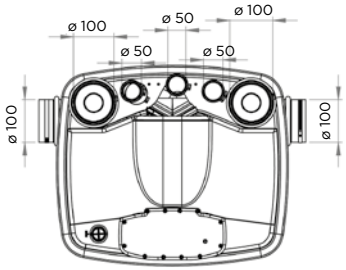
TANK	**Tank volume**	45 L
	Discharge pipework	DN 40 (Ext. Ø 50 mm)
	Inlet pipeworks	• 1 inlet (Ø ext. 40/50 mm) • 4 inlets (Ø ext. 40/50/100/110 mm)
	Ventilation	Ø ext. 50 mm
	Incoming waste water max. temperature	70°C intermittently (max. 5 mins)
	Built-in check valve	
	Material	Polypropylene 20 % fibreglass
PERFORMANCES	**Max. flow rate**	13 m³/h
	Max. height (Q=0 l/min)	13 m
PUMP	**Pump system**	Grinder
	Activation system	Dip tube
	Power	220-240 V/50 Hz
	Motor consumption	2 x 1500 W
	Max. intensity	13 A
	Weight (tank + pump)	**SANICUBIC® 2 CLASSIC** : 35,5 kg **SANICUBIC® 2 PRO** : 33 kg
	Protection index	IP68
	Electric class	I
CONTROL BOX	**BMS connector**	Dry contact for the alarm (Building Management System)
	Protection index	IPX4
	Alarm box	**SANICUBIC® 2 CLASSIC** : wired alarm **SANICUBIC® 2 PRO** : HF alarm

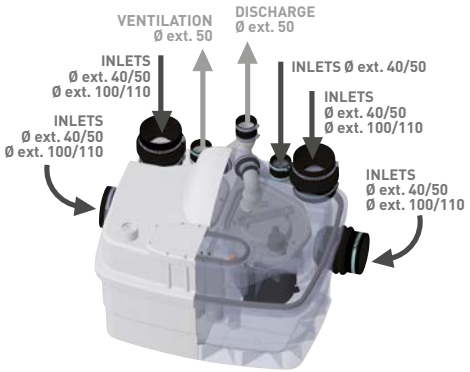
PUMP GRAPH











SANICUBIC® 2 CLASSIC

Remote wired audible and visual alarm box (5 m of cable)

Remote control box (4 m of cable)

HF remote alarm box

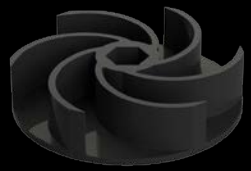
SANICUBIC® 2 PRO

COMMERCIAL & **COMMUNAL** USES

SANICUBIC® 2 XL

Available with single and three-phase motors

FLOOR-STANDING PUMPING STATION



GREY WATER + BLACK WATER
WC, bathroom, kitchen and laundry

17 m

NEW AVAILABLE IN THREE-PHASE

HIGH-PERFORMANCE OPERATION

- **VORTEX system** (clearance : 50 mm)
- Flow rate : 55 m^3/h
- Maximum vertical discharge pipe (Q=0 l/min) : 17 m

EASE OF INSTALLATION AND MAINTENANCE

- Floor-standing product
- 5 inlets available
- **Available in single and three-phase versions**
- **Direct and secure access to the 2 motors and level sensors** without drainage

RELIABILITY

- 3 dip tubes
- IP68 waterproof
- Remote control and alarm boxes

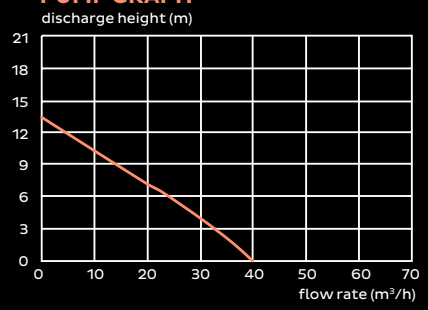
TECHNICAL CHARACTERISTICS:

TANK	**Tank volume**	120 L
	Discharge pipework	DN 100 (Ext. Ø 100 mm)
	Inlet pipeworks	• 1 inlet (Ø ext. 40/50 mm) • 4 inlets (Ø ext. 40/50/100/110 mm)
	Ventilation	Ø ext. 75 mm
	Incoming waste water max. temperature	70°C intermittently (max. 5 mins)
	Built-in check valve	
	Material	Polypropylene 20 % fibreglass
PUMP	**Pump system**	Vortex
	Clearance	50 mm
	Activation system	Dip tube
	Protection index	IP68
	Electric class	I
CONTROL BOX	**BMS connector**	Dry contact for the alarm (Building Management System)
	Protection index	IPX4
	Alarm box	**SANICUBIC® 2 XL SINGLE PHASE** : wired alarm **SANICUBIC® 2 XL THREE PHASE** : HF alarm

SANICUBIC® 2 XL SINGLE-PHASE

- **Flow rate :** 40 m³/h
- **Max. height. (Q = 0 l/ min) :** 13 m
- **Power :** 220-240 V / 50 Hz
- **Motor consumption :** 2 motors x 2000 W
- **Maximum absorbed current :** 2 x 8 A
- **Weight (including accessories) :** 59 kg

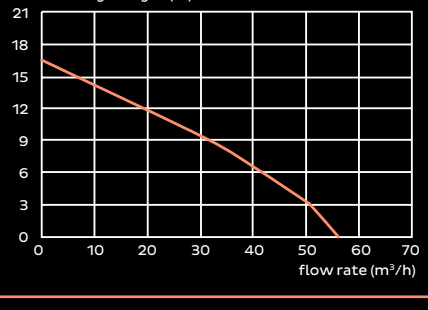
PUMP GRAPH

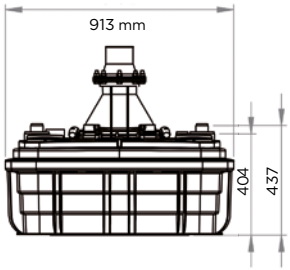


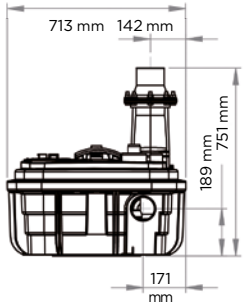
SANICUBIC® 2 XL THREE-PHASE

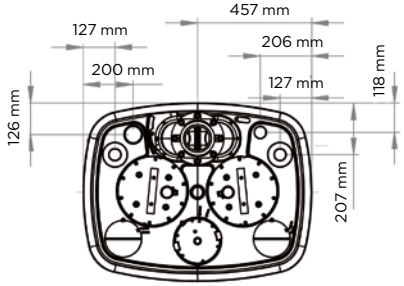
- **Flow rate :** 55 m³/h
- **Max. height. (Q=0 l/min) :** 17 m
- **Power :** 230-400 V / 50 Hz
- **Motor consumption :** 2 x 3500 W
- **Maximum current absorption :** 2 x 6 A
- **Weight (including accessories) :** 60 kg

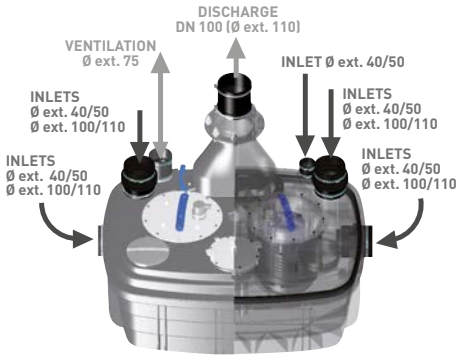
PUMP GRAPH











Remote wired audible and visual alarm box (5 m of cable)

Remote control box (4 m of cable) with SANICUBIC® 2 XL single-phase

SMART Box with SANICUBIC® 2 XL three-phase

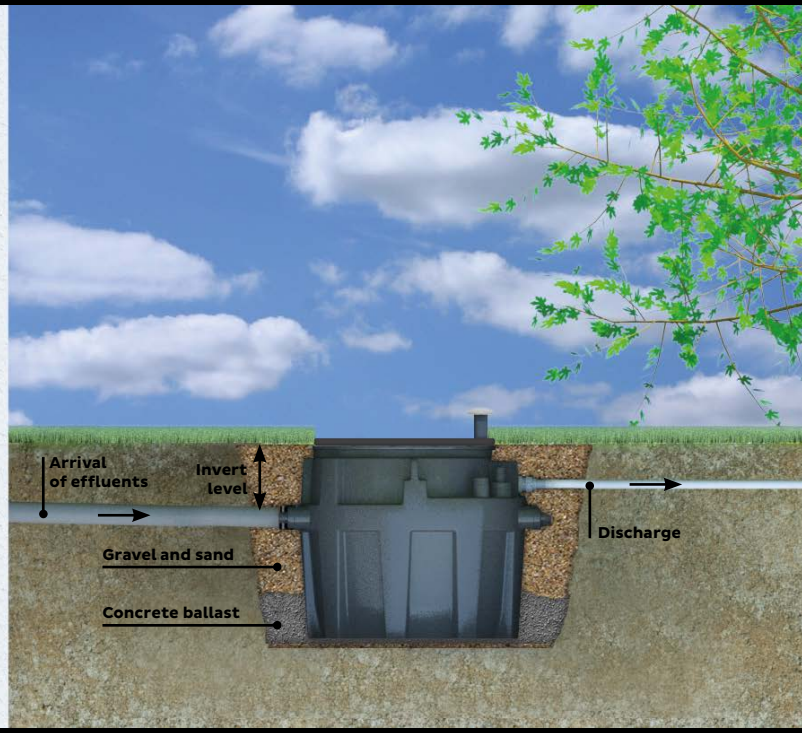
ADVICE

SOME INSTALLATION ADVICES FOR YOUR SANIFOS®

1 THE GROUND TYPE*

Before the installation of an underground pumping station, it is imperative to be fully aware of the soil type.

SANIFOS® LIFTING STATIONS CAN ALSO BE INSTALLED INSIDE THE HOME, STANDING ON THE FLOOR.



* For accurate technical information, please refer to the installation instructions and professional standards or seek advice from our technical service : **export@sfa.fr**

DURING SANIFOS® UNDERGROUND PUMPING STATION INSTALLATION, DIFFERENT PARAMETERS MUST BE CONSIDERED AND FOLLOWED.

Standards
Our appliances comply with standards EN12050-1 for all-water lifting stations and must be installed in accordance with the recommendations of standard EN12056-4.

2 WHERE IS YOUR PUMPING STATION BEING INSTALLED?

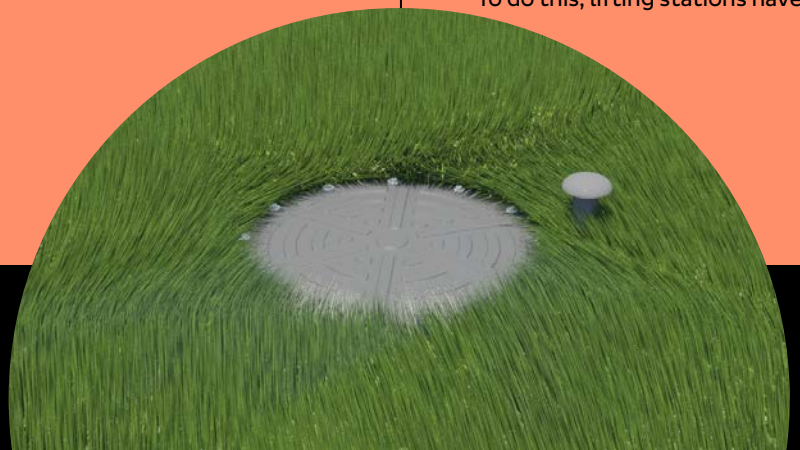
SANIFOS® lifting stations have an invert level of 311 mm (and 611 mm with the extension), enabling them to be installed at various distances from the house.

3 WHY DOES YOUR PUMPING STATION NEED GOOD VENTILATION?

Ventilation must be installed in the upper part of the pumping station to:

- evacuate the gases that form inside the tanks and prevent any risk of explosion
- avoid the station from losing pressure

To do this, lifting stations have two ventilation outlets.



THE BENEFITS

SANIFOS® LIFTING STATIONS FOR...

... RELIABILITY

Cover held in place by stainless steel screws for maximum safety levels

Rotational-moulded polyethylene high-density tank with high mechanical resistance, anti-odour, resistant to chemical attacks and UV rays

Self-cleaning tank floor (on SANIFOS® 110 and SANIFOS® 250)

Thermal motor protection

... FLEXIBILITY

Exterior or interior installations

30 cm extension available as an accessory (inlet depth of 611 mm)

2 ventilation openings

6 inlets for multiple pipework 40/50/100/110/125

... PERFORMANCE

- Automatic pumping operation
- New motor design for improved mechanical and thermal resistance
- Energy-saving and reduced use of the motors thanks to a high useful volume (only on SANIFOS® 500)
- SFA grinding system

... EASY INSTALLATION AND MAINTENANCE

- Station delivered fitted with: PVC hydraulic pressure connectors pre-assembled inside the tank with stop valves, check valves, alarm and low/high detection floats
- Fixing points
- Invert level of 311 mm
- Cable gland for motor cables and level sensors
- Large tank opening for easy maintenance
- Cable supplied for the lifting of the pumps
- IP68 waterproof terminal blocks fitted as standard for easy connection/disconnection of the power supply without having to pull out the electricity cable

INDIVIDUAL & **COMMERCIAL** USES

SFA grinding system (see pg.08)

Benefits of the SANIFOS® (see pg.18)

SANIFOS® 110

UNDERGROUND LIFTING STATION / 1 PUMP

GREY WATER + BLACK WATER
WC, bathroom, kitchen and laundry

14 m

HIGH-PERFORMANCE OPERATION

- **SFA grinding system**
- Maximum vertical discharge (Q=0 l/min): 14 m
- Flow rate : 11 m^3/h
- 110 litre tank

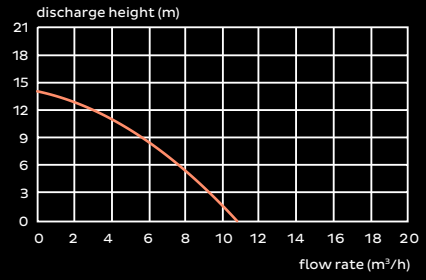
EASY INSTALLATION AND MAINTENANCE

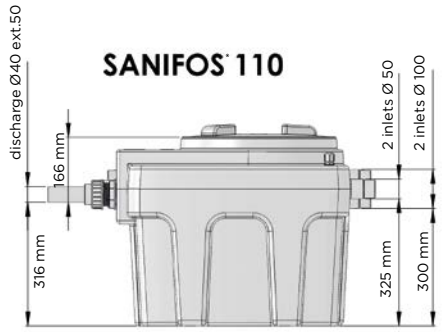
- Station delivered fitted with preassembled hydraulics
- Automatic pump operation
- Screw cap for easy service access

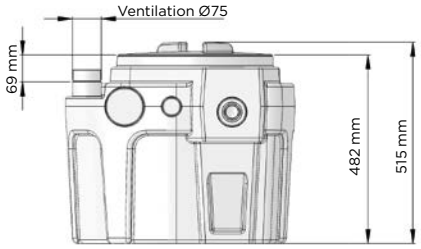
TECHNICAL CHARACTERISTICS:

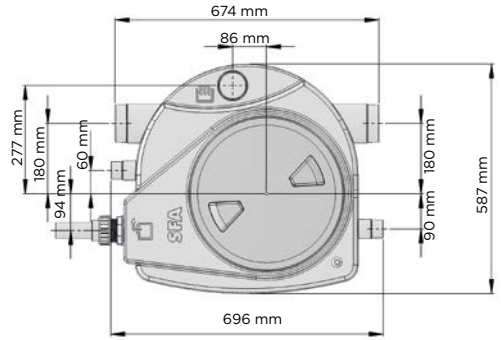
TANK	**Tank volume**	110 L
	Material	Polyethylene high-density
	Discharge pipework	DN 40 (Ext. Ø 50 mm)
	Inlet pipeworks	• 2 inlets (Ø ext. 40/50 mm) • 2 inlets (Ø ext. 40/50/100/110/125 mm)
	Ventilation	Ø ext. 75 mm
	Incoming waste water max. temperature	70°C intermittently (max. 5 mins)
	Weight (tank + hydraulic only)	10 kg
PERFORMANCES	**Max. flow rate**	11 m³/h
	Max. height (Q=0 l/min)	14 m
	Incoming water flow rate height	182 mm
PUMP	**Pump system**	Grinder
	Activation system	Float
	ON/OFF level	320/120 mm
	Power	220-240 V/50 Hz
	Motor consumption	1 500 W
	Max. intensity	6 A
	Weight (pump only)	13 kg
	Protection index	IP68
	Electric class	I
	Thermal overload protection	

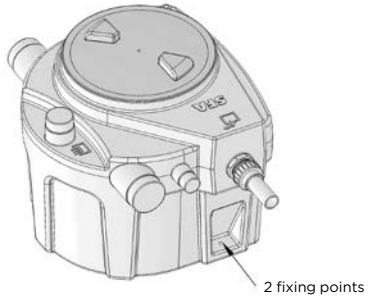
PUMP GRAPH

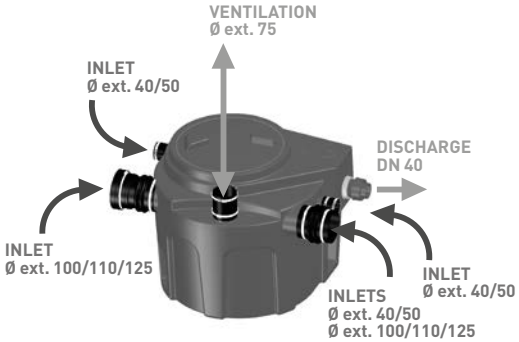












INDIVIDUAL & **COMMERCIAL** USES

SFA grinding system (see pg.08)

Benefits of the SANIFOS® (see pg.18)

SANIFOS® 250

UNDERGROUND LIFTING STATION / 1 PUMP

GREY WATER + BLACK WATER
WC, bathroom, kitchen and laundry

14 m

HIGH-PERFORMANCE OPERATION

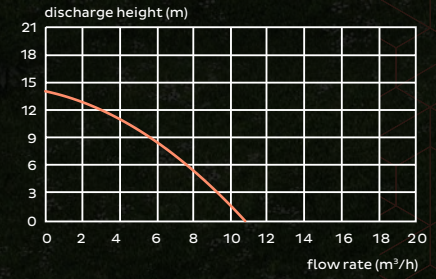
- **SFA grinding system**
- Maximum vertical discharge (Q=0 l/min) : 14 m
- Flow rate : 11 m^3/h
- 250 litre tank

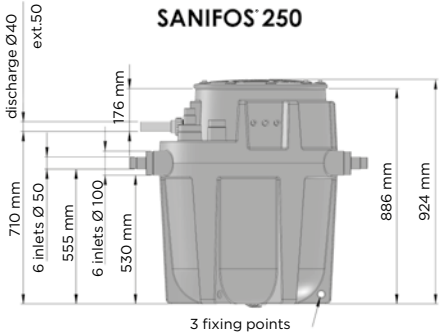
EASY INSTALLATION AND MAINTENANCE

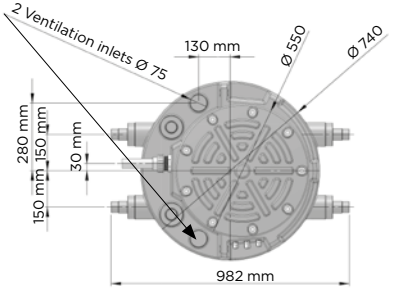
- Station delivered fitted with pre-assembled hydraulics, stop valve and check valve
- Automatic pumping operation
- Designed to make maintenance easier with stop valve and rope included as standard

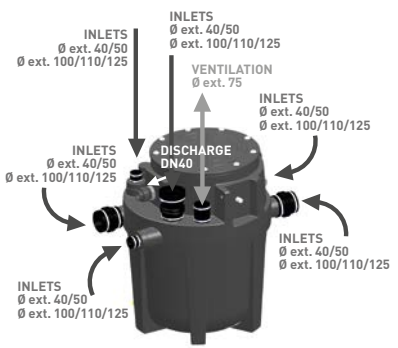
TANK	**Tank volume**	250 L
	Material	Polyethylene high-density
	Discharge pipework	DN 40 (Ext. Ø 50 mm)
	Inlet pipeworks	6 inlets (Ø ext. 40/50/100/110/125 mm)
	Ventilation	2 x Ø ext. 75 mm
	Incoming waste water max. temperature	70°C intermittently (max. 5 mins)
	Weight (tank + hydraulic only)	25 kg
	Built-in check valve + stop valve	
PERFORMANCES	**Max. flow rate**	11 m^3/h
	Max. height (Q=0 l/min)	14 m
	Incoming water flow rate height	311 mm
PUMP	**Pump system**	Grinder
	Activation system	Float
	ON/OFF level	400/100 mm
	Power	220-240 V/50 Hz
	Motor consumption	1500 W
	Max. intensity	6 A
	Weight (pump only)	13 kg
	Protection index	IP68
	Electric class	I
	Thermal overload protection	

PUMP GRAPH









SFA grinding system
(see pg.08)

Benefits of the SANIFOS®
(see pg.18)

SANIFOS® 500

Available with single and three-phase motors

UNDERGROUND LIFTING STATION / 2 PUMPS

GREY WATER + BLACK WATER
WC, bathroom, kitchen and laundry

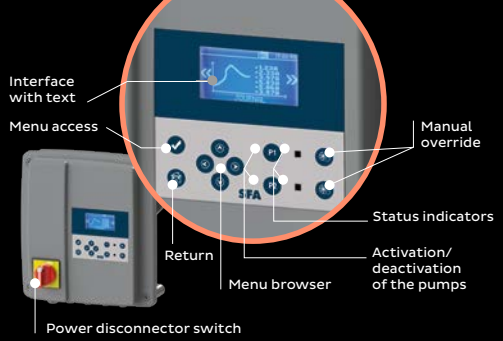
21 m

HIGH-PERFORMANCE OPERATION

- **SFA grinding system**
- **2 motors** for more intensive use
- Maximum vertical discharge (Q=0 l/min) : 21 m
- Flow rate : 15.5 m^3/h
- 500 litre tank

EASY INSTALLATION AND MAINTENANCE

- Station delivered fitted with pre-assembled hydraulics, stop valves and check valves
- SMART monitoring system of the station with remote alarm unit
- Designed to make maintenance easier with stop valves and ropes included as standard



SMART MONITORING SYSTEM OF THE PUMPING STATION WITH REMOTE ALARM UNIT

- Interface with text, date and time
- Logbook (pump operating times, fault list etc.)
- As done previously
- Power disconnector swich for increased safety

TANK	**Tank volume**	500 L
	Material	Polyethylene high-density
	Discharge pipework	DN 40 (Ext. Ø 50 mm)
	Inlet pipeworks	6 inlets (Ø ext. 40/50/100/110/125 mm)
	Ventilation	2 x Ø ext. 75 mm
	Incoming waste water max. temperature	70°C intermittently (max. 5 mins)
	Weight (tank + hydraulic only)	63 kg
	Built-in check valve + stop valve	
	Incoming water flow rate height	311 mm
PUMP	**Pump system**	Grinder
	Activation system	Float
	ON/OFF level	500/135 mm
	Weight (pump only)	2 x13 kg
	Protection index	IP68
	Electric class	I
	Thermal overload protection	

SANIFOS® 500 SINGLE PHASE

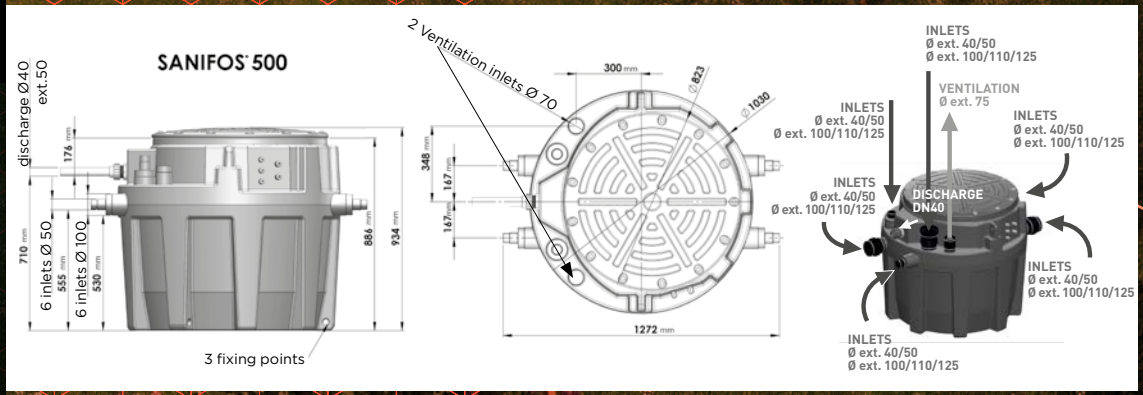
- **Max. height (Q=0 l/min) : 14 m**
- **Flow rate : 11 m³/h**
- **Motor power : 220/240V / 50 Hz**
- **Maximum current consumption : 2 x 6 A**
- **Consumption : 1500 W**

PUMP GRAPH

SANIFOS® 500 THREE-PHASE

- **Max. height (Q=0 l/min) : 21 m**
- **Flow rate : 15.5 m³/h**
- **Engine power : 230-400V / 50Hz**
- **Maximum current consumption : 2 x 4.75 A**
- **Consumption : 2600 W**

PUMP GRAPH



SANIPUMP®

GRINDING SUBMERSIBLE PUMP

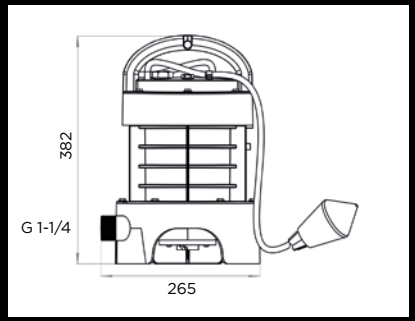
GREY WATER + BLACK WATER
WC, bathroom, kitchen and laundry

14 m

HIGH-PERFORMANCE OPERATION

- SFA grinding system
- Autonomous pump operation
- Flow rate : 11 m^3/h
- Maximum vertical discharge (Q=0 l/min) : 14 m
- ON/OFF level : 400/100 mm

PUMP GRAPH



> STOP VALVES

To comply with the regulations and to facilitate maintenance operations, stop valves must be installed on the effluent inlets as well as on the discharge pipe.

Blade gate valves for inlet pipes

For pipework 110 or 100 (with reducer)

For pipe pipework 50

DN100 ball valve for discharge: especially for the SANICUBIC® 2 XL

> EXTENSIONS FOR SANIFOS®

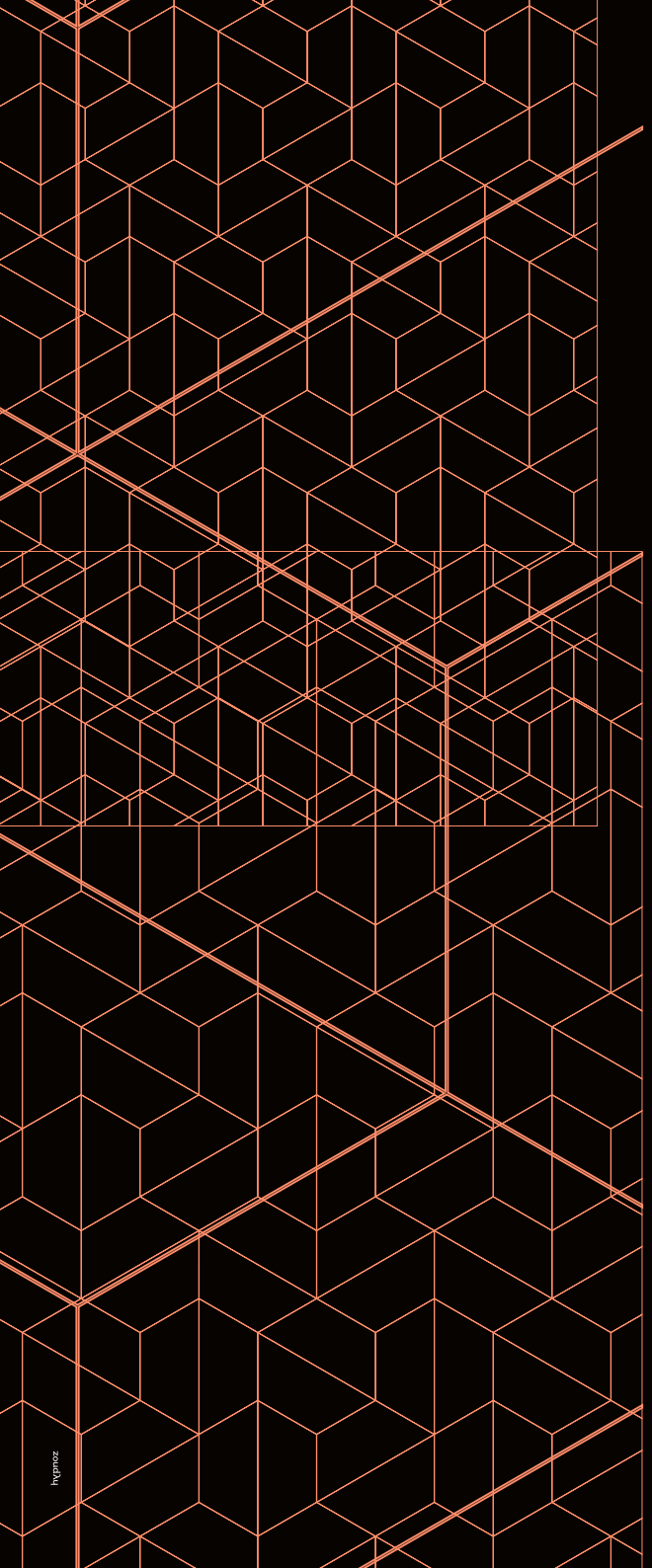
In order to increase the invert level of SANIFOS® lifting stations, extensions are available as accessories.
They have the same pipework as the tank but are not stackable.

SANIFOS® 250 EXTENSION

SANIFOS® 500 EXTENSION

SANIFOS® 250 with 30 cm extension
Invert level : 611 mm

SANIFOS® 500 with 30 cm extension
Invert level : 611 mm



60 YEARS OF INNOVATION

SFA / SANIFLO

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