



SANIFLO

Pumps and lifting stations

SFA GROUP, WORLD LEADER IN SANITARY FACILITIES

For 60 years, the **Société Française d'Assainissement** [French Sanitation Company] has worked on improving water treatment processes with **Europelec**.

The Group, which is also the inventor of the famous SANIFLO® SFA, has a worldwide presence and today it is one of the world leaders in the field of sanitation.

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

It now offers a full range of products designed for individual, commercial, industrial and community 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 official laboratories, within the production units themselves, 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.

> MARKET PARTNER

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



WORLDWIDE PRESENCE



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

1

DETERMINE THE REQUIRED FLOW

This is the amount of water to be evacuated according to the type and number of devices connected to the pumping station. The flow measures a volume per unit of time. It is expressed in cubic metres per hour (m³/h) or litres per second (L/s).

Estimated flow



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
1 residence (1 to 3 inhabitants)	2.5 m³/h
Up to 2 residences (4 to 6 inhabitants)	5 m³/h
Up to 4 residences (7 to 9 inhabitants)	10 m³/h
Up to 6 residences (10 to 12 inhabitants)	15 m³/h

2

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

Friction losses

Flow in m ³ /h	DN PVC pipe work in rigid PVC			
	DN 40 40/49	DN 50 50/60	DN 80 80/90	DN 100 102/114
5	0.034	0.012	0.001	-
6	0.047	0.016	0.002	0.001
7	0.061	0.021	0.002	0.001
8	0.078	0.027	0.003	0.001
9	0.095	0.033	0.004	0.001
10	0.114	0.040	0.004	0.001
12	0.162	0.055	0.006	0.002
15	0.242	0.083	0.009	0.003
20	-	0.139	0.014	0.005
25	-	0.208	0.022	0.007
30	-	0.29	0.030	0.010
40	-	0.491	0.051	0.017
50	-	-	0.076	0.026
60	-	-	0.106	0.036

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

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 a pumping station. The station must discharge waste water at a height of 4 m over a length of 10 m in PVC 50 mm exterior.

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

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

→ **The total dynamic head will therefore be: 4 m 0.38 m 4.38 m**

→ The station therefore has the following criteria: **TDH = 4.38 m and Flow = 5 m³/h**

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

The SANIFOS® range corresponds to his needs. Its installation constraints impose a 250 litre tank.

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

FIND MORE INFORMATION WITH YOUR COMMERCIAL CORRESPONDANT

ONE SOLUTION FOR EACH NEED

FLOOR-STANDING



UNDERGROUND



 INDIVIDUAL USE SINGLE HOUSES	GREY WATER	SANICOM® 1
	GREY WATER & SEWAGE	SANICUBIC® 1 SANICUBIC® 1 WP

 INDIVIDUAL USE SINGLE HOUSES	GREY WATER & SEWAGE	SANIFOS® 110 SANIFOS® 250
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 COMMERCIAL USE SHOPS & PUBLIC AERAS	GREY WATER	SANICOM® 1 SANICOM® 2
		SANICUBIC® 1 GR SANICUBIC® 1 SC SANICUBIC® 1 VX
	GREY WATER & SEWAGE	SANICUBIC® 2 Classic SANICUBIC® 2 PRO SANICUBIC® 2 GR SANICUBIC® 2 SC SANICUBIC® 2 VX

 COMMERCIAL USE SHOPS & PUBLIC AERAS	GREY WATER & SEWAGE	SANIFOS® 110 SANIFOS® 250 SANIFOS® 500 SANIFOS® 1300
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 COLLECTIVE USE SMALL BUILDING & PROFESSIONAL	GREY WATER & SEWAGE	SANIFOS® 500 SANIFOS® 1300 SANIFOS® 1600 SANIFOS® 2100 SANIFOS® 3100
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PRODUCTS

The Société Française d'Assainissement offer a wide range of pumping stations to meet all your needs: pumping stations for waste water or sewage, floor-standing or underground in a single or three-phase version, with Vortex, single channel or Grinder.

FLOOR-STANDING LIFTING STATION

- LOW INSTALLATION COST
- EASY ACCESS FOR MAINTENANCE



UNDERGROUND LIFTING STATION

- SAVING SPACE IN YOUR HOME
- COMPLETELY DISCREET OPERATION



SYSTEMS AND REFERENCES 08

FLOOR-STANDING RANGE

SANICOM® 1 / SANICOM® 2	10
SANICUBIC® 1 / SANICUBIC® 1 WP	12
SANICUBIC® 1 VX	14
SANICUBIC® 2 CLASSIC / SANICUBIC® 2 PRO	16
SANICUBIC® 2 VX	18
SANICUBIC® 1 GR	20
SANICUBIC® 2 GR	22
SANICUBIC® 1 SC	24
SANICUBIC® 2 SC	26

UNDERGROUND RANGE

INSTALLATION ADVICE FOR UNDERGROUND STATIONS	28
SANIFOS® FOR ALL NEEDS	30
SANIFOS® 110 / SANIFOS® 250	32
SANIFOS® 500	34
SANIFOS® 1 300	36
SANIFOS® 1 600/2 100/ 3 100	38

IMMERSED RANGE

SANIPUMP®	41
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ACCESSORIES

STOP VALVES / EXTENSIONS	42
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PRODUCT NAMING

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SYSTEMS

- SFA IMPELLER
- SFA SINGLE CHANNEL
- SFA VORTEX
- SFA GRINDER

OUR DIFFERENT SYSTEMS:



IMPELLER
SANICOM®2



SINGLE CHANNEL
SANICUBIC®1 SC
SANICUBIC®2 SC



VORTEX
SANICUBIC®1 VX
SANICUBIC®2 VX
SANIFOS®250
SANIFOS®500
SANIFOS®1300



Grinder ProX K2
SANICUBIC®
SANICUBIC®1 WP
SANICUBIC®2 CLASSIC
SANICUBIC®2 PRO
SANIFOS®110/250/500/1300



Grinder ProX K3
SANICUBIC®1 GR
SANICUBIC®2 GR
SANIFOS®1600/2100/3100

> PUMPS

The pump is the main element of the lifting station. It is expected to pump away waste water from an installation in a reliable way.

SFA are always innovating to maintain the ever-improving performance of their pumps.

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

REFERENCES

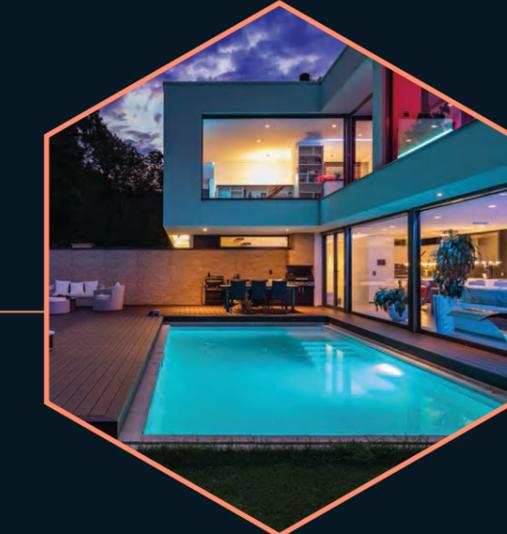
The Al Said Super-Yacht is the royal yacht of Sultan Qaboos bin Said al Said of Oman and the fifth longest yacht in the world. The yacht can carry a 150-strong crew and accommodate up to 65 guests. SANICUBIC® 1 GR ensures the reliable removal of sewage without the danger of backflow.



A SANICUBIC® 2 VX lifting station was installed in the basement to drain waste water to the soil stack located at street level. SANICUBIC® 2 VX is a high-capacity lifting station (120 L) perfectly suited to intensive commercial uses and which enables waste water to be pumped up to 10 m.



Approx. 1.4 million passengers use the Berlin U-Bahn on a daily basis. SANIFLO® equipped several Berlin U-Bahn stations with the most modern pump technology and customized large-scale lifting units, including Berlin's Potsdamer Platz station.



A SANIFOS® 500 has been installed in this house's ground, to lift sewage up to the public network. SANIFOS® 500 is a high-capacity underground pumping station (500 L) designed to answer to individual or commercial lifting needs. It enables waste water to be pumped up to 16 m.

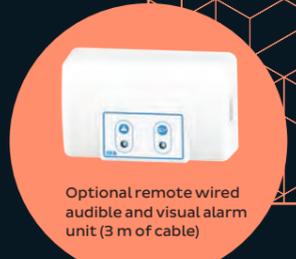


SANICOM[®] 1

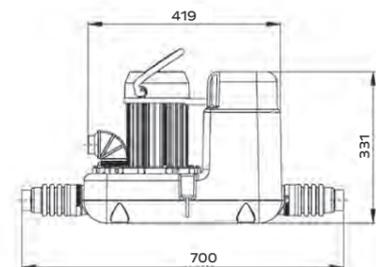
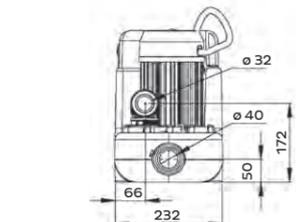
GREY WATER LIFTING UNIT

GREY WATER
bathroom, kitchen and laundry

8 m ↑



Optional remote wired audible and visual alarm unit (3 m of cable)



BENEFITS

- Easy installation, inlet on each side of the unit for more flexibility
- Ease of use

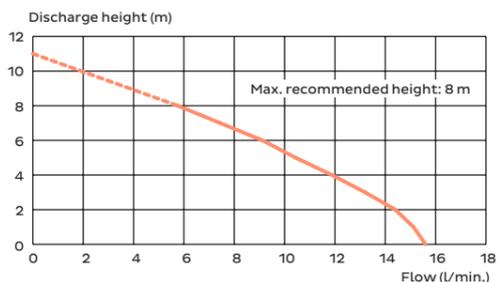
APPLICATIONS

- Bathroom
- Kitchen and laundry

FEATURES

- Polyethylene container
- Max. temperature up to 90°C for 5 minutes max.
- Height of shower tray 25 cm
- Granulometry 8 mm
- Discharge pipe diameter DN32 (Ø ext. 32 mm)

PUMP GRAPH



REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	SWITCHING VOLUME (L)	U (V)	P (W)	FREQUENCY (HZ)	I MAX (A)	TR/MN	POWER CLASS	Q MAX (M ³ /H)	H MAX (M)	WEIGHT (KG)	REMOTE CONTROL	ALARM
SANICOM 1 S	3 308 815 012 476	COM1	Impeller	10	-	230	750	50/60	3.3	2,800	IP 44	15.5	11	12	-	option



SANICOM[®] 2

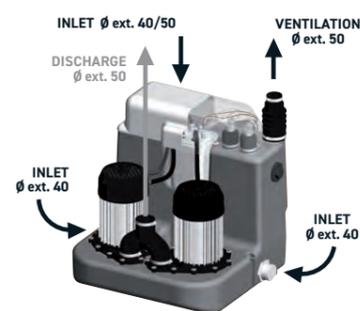
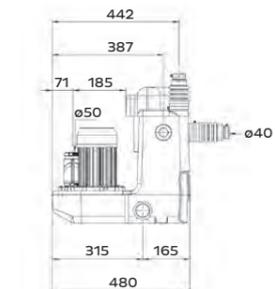
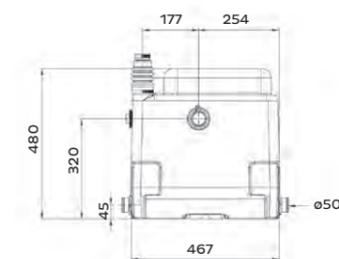
GREY WATER LIFTING UNIT

GREY WATER
bathroom, kitchen and laundry

11 m ↑



Remote control unit (4 m of cable)



BENEFITS

- Easy installation on the ground
- Two inlets on each side
- Inlet from DN 40 up to DN 75/80
- Ease of use, 2 pumps for secure and continuous operation

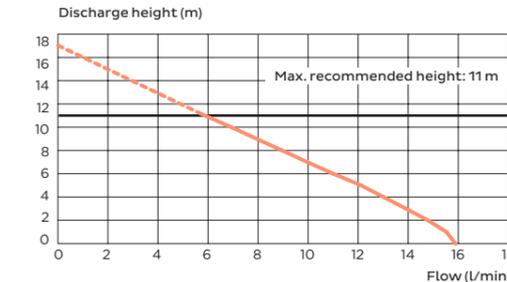
APPLICATIONS

- Bathroom
- Kitchen and laundry
- Sauna in sports club
- Commercial areas without WC

FEATURES

- Polyethylene container
- Max. temperature up to 90°C for 5 minutes max.
- Height of shower tray 25 cm
- Granulometry 8 mm
- Discharge pipe diameter DN32 (Ø ext. 32 mm)

PUMP GRAPH



REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	SWITCHING VOLUME (L)	U (V)	P (W)	FREQUENCY (HZ)	I MAX (A)	TR / MN	POWER CLASS	Q MAX (M ³ /H)	H MAX (M)	WEIGHT (KG)	REMOTE CONTROL	POWER CLASS CONTROL	ALARM
SANICOM 2 S	3 308 815 076 140	COM2DEP	Impeller	34.5	-	230	2x1,500	50 / 60	13	2,800	IP 44	16	17	26	Classic	IP X4	External, wired



SANICUBIC® 1

SEWAGE LIFTING UNIT

SANICUBIC® 1 WP

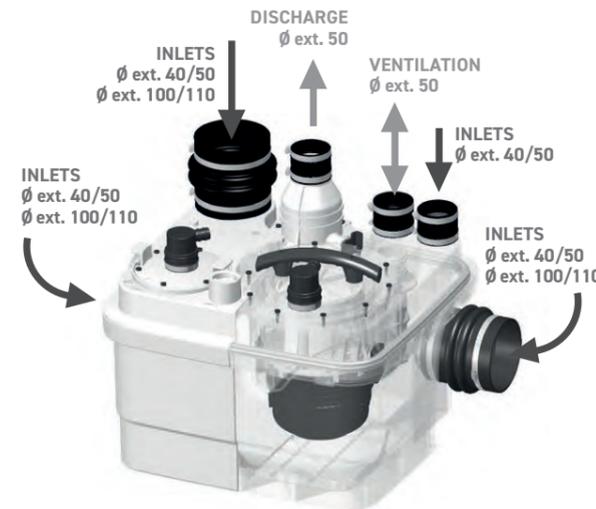
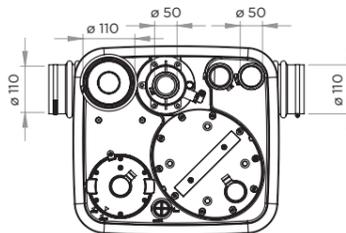
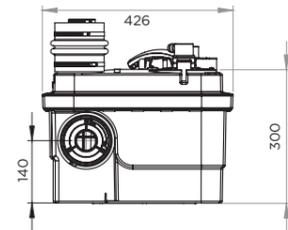
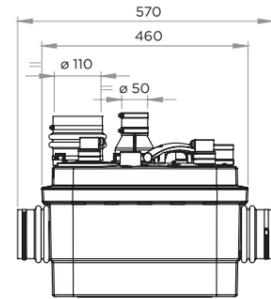
SEWAGE LIFTING UNIT



SEWAGE
WC, bathroom, kitchen and laundry

13 m
↑

*contact us for availability



BENEFITS

- High-performance operation, SFA Grinder system
- Safe operation, audible and visual alarm unit
- Easier installation and maintenance, direct and safe access to the motor and level sensors

APPLICATIONS

- Multiple WC
- Bathroom
- Kitchen and laundry

ISOLATION VALVE

DN50: EAN 3308815061030
DN100: EAN 3308815061023



CARBON AIR FILTER

EAN 3308815076867



SANICUBIC® 1

SEWAGE LIFTING UNIT

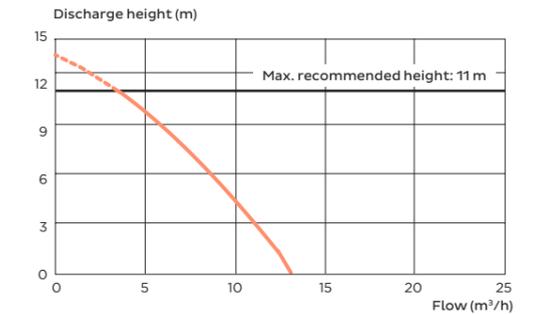
SANICUBIC® 1 WP

SEWAGE LIFTING UNIT

FEATURES

- Polypropylene container
- Max. temperature of incoming waste water 70°C intermittently (max. 5 min.)
- Discharge pipe diameter DN 40 (ext. 50 mm)
- ON/OFF level 140/80 mm
- Alarm level 210 mm

PUMP GRAPH

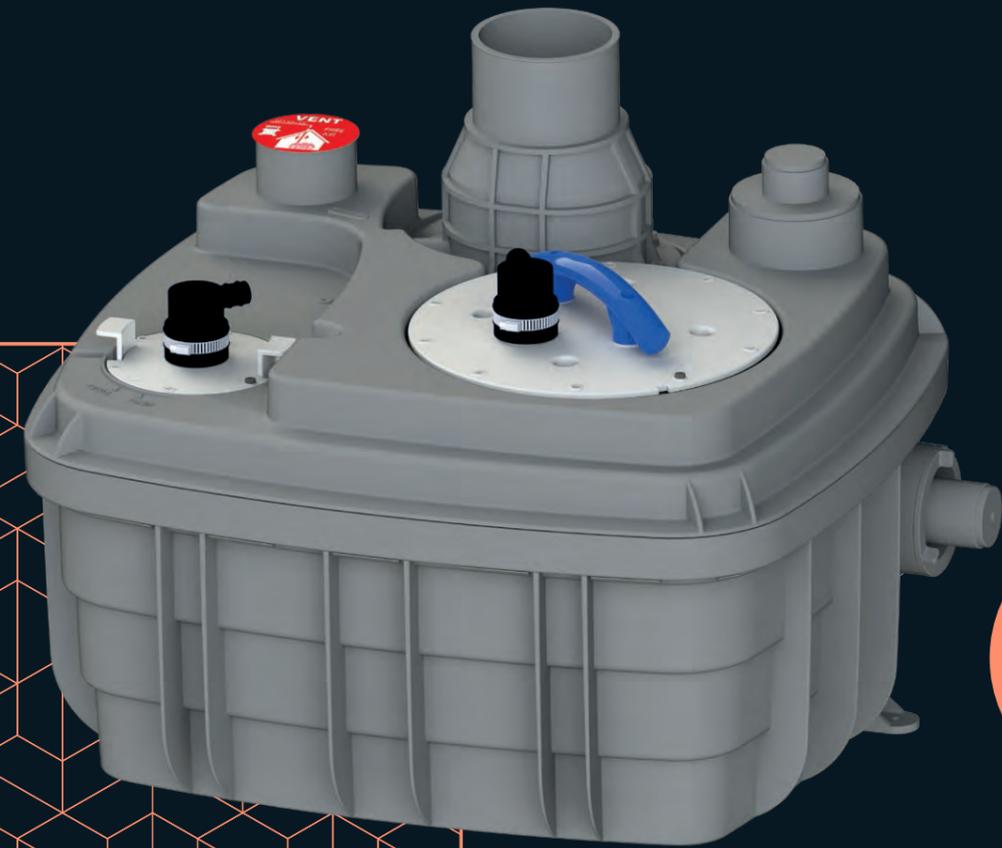


REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	SWITCHING VOLUME (L)	U (V)	P (W)	FREQUENCY (HZ)	I MAX (A)	TR/MN	POWER CLASS	Q MAX (M³/H)	H MAX (M)	WEIGHT (KG)	REMOTE CONTROL	POWER CLASS CONTROL	ALARM
SANICUBIC 1 GR S	3 308 815 074 429	CUBIC1NM	Grinder	32	10	230	1,500	50/60	6	2,800	IP 67	13	13	21	-	-	External, wired
SANICUBIC 1 GR S WP	3 308 815 074 436	CUBIC1IP68NM												23	Classic	IP X4	
SANICUBIC 1 GR S WP SMART	3 308 815 075 440	CUBIC1IP68NMSMART												23	Smart		



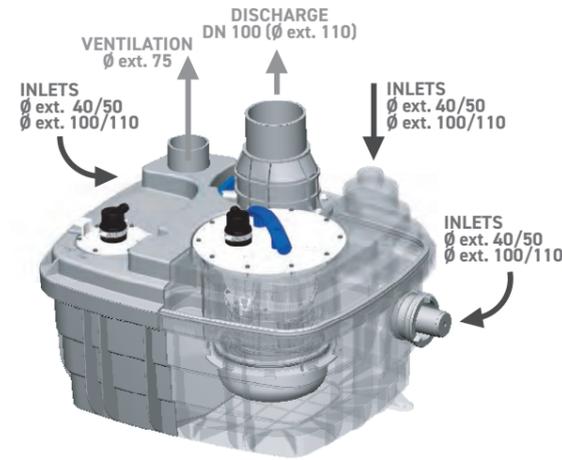
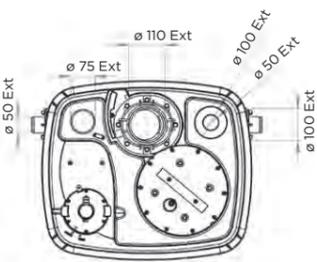
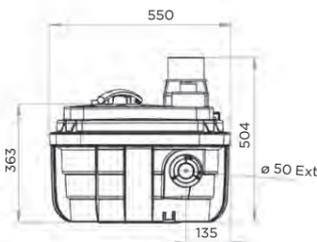
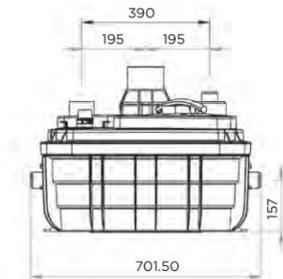
SANICUBIC® 1 VX

SEWAGE LIFTING UNIT



SEWAGE
shops, restaurants

13 m
↑



BENEFITS

- High performance: 1 Vortex pump in single phase & several inlets
- Wired remote control and external alarm unit
- Direct and secure access to the pump
- Accessories: isolation valves and carbon air filter

APPLICATIONS

- Pumping of sewage from shops and single-family houses
- For installation inside buildings

ISOLATION VALVE

DN50: EAN 3308815061030
DN100: EAN 3308815061023



CARBON AIR FILTER

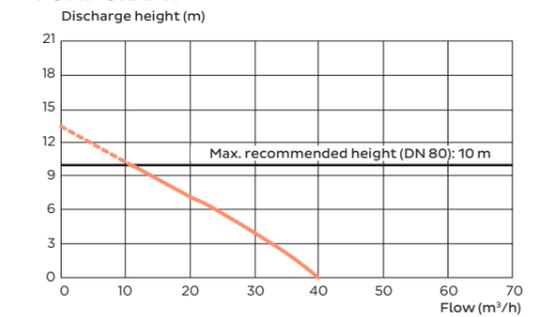
EAN 3308815076867



FEATURES

- Materials Polyethylene
- Max. temperature of incoming waste water 70°C intermittently (max. 5 min.)
- ON/OFF level 165/65 mm
- Alarm level 230 mm
- Activation pressure system

PUMP GRAPH



REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	SWITCHING VOLUME (L)	U (V)	P (W)	FREQUENCY (HZ)	I MAX (A)	TR / MN	POWER CLASS	Q MAX (M³/H)	H MAX (M)	WEIGHT (KG)	REMOTE CONTROL	POWER CLASS CONTROL	ALARM
SANICUBIC 1VX S	3 308 815 077 611	CUBIC1XLVX	Vortex	60	20	230	2,000	50/60	8	2,800	IP 68	40	13	30	Classic	IP X4	External, wired



SANICUBIC® 2 CLASSIC

SEWAGE LIFTING UNIT

SANICUBIC® 2 PRO

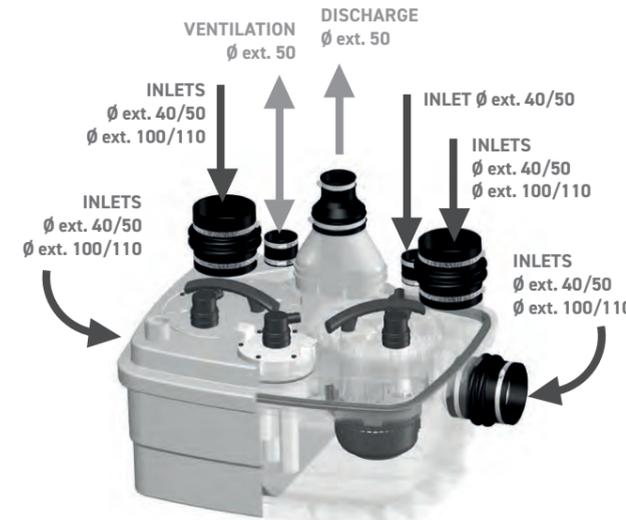
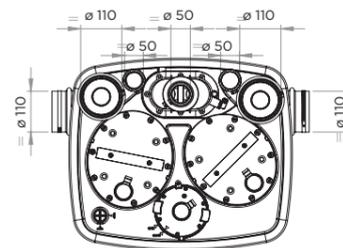
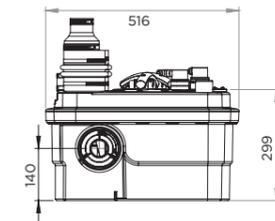
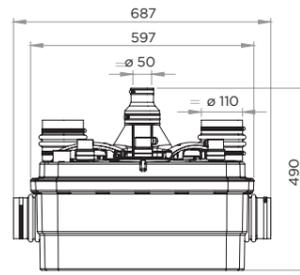
SEWAGE LIFTING UNIT



SEWAGE
small buildings or shops

13 m
↑

*contact us for availability



BENEFITS

- High-performance operation, SFA Grinder system
- Safe operation, alternating operation of the 2 motors and simultaneous in case of alarm
- Easier installation and maintenance, direct and safe access to the motor and level sensors

APPLICATIONS

- Small buildings
- Shops
- Kitchen and laundry

ISOLATION VALVE

DN50: EAN 3308815061030
DN100: EAN 3308815061023



CARBON AIR FILTER

EAN 3308815076867



SANICUBIC® 2 CLASSIC

SEWAGE LIFTING UNIT

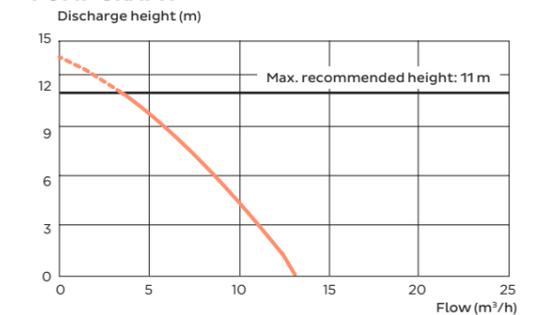
SANICUBIC® 2 PRO

SEWAGE LIFTING UNIT

FEATURES

- Polypropylene container
- Max. temperature of incoming waste water 70°C intermittently (max. 5 min.)
- Discharge pipe diameter DN 80/100 (ø ext. 110)
- ON/OFF level 140/60 mm
- Alarm level 210 mm

PUMP GRAPH



REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	SWITCHING VOLUME (L)	U (V)	P (W)	FREQUENCY (HZ)	I MAX (A)	TR/MN	POWER CLASS	Q MAX (M³/H)	H MAX (M)	WEIGHT (KG)	REMOTE CONTROL	POWER CLASS CONTROL	ALARM
SANICUBIC 2 GR S CLASSIC	3 308 815 074 443	R4LCIP68NM	Grinder	45	17,5	230	2x1,500	50/60	13	2,800	IP 68	13	11	35,5	Classic	IP X4	External, wired
SANICUBIC 2 GR S PRO	3 308 815 074 450	R4STDIP68NM												33			External, wireless
SANICUBIC 2 GR S PRO SMART	3 308 815 075 457	R4STDIP68NMSMART												Smart			



SANICUBIC® 2VX

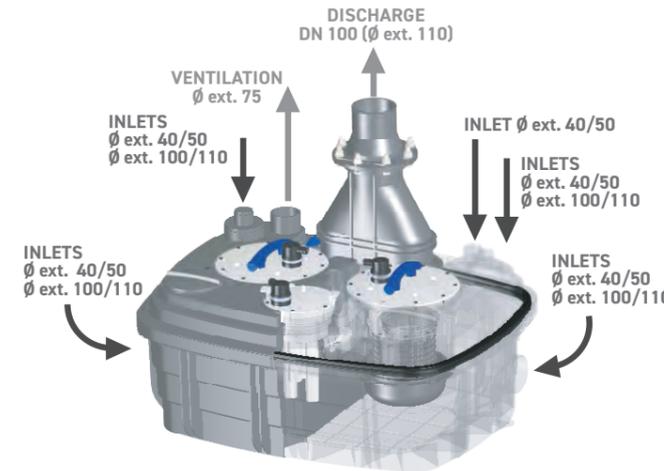
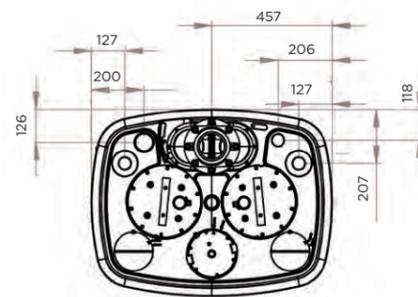
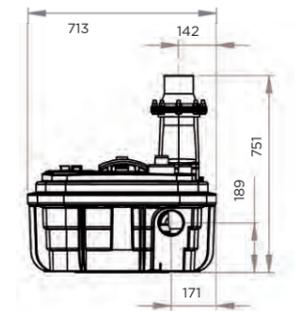
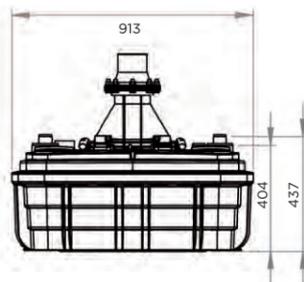
SEWAGE LIFTING UNIT



SEWAGE
WC, bathroom, kitchen and laundry

17 m ↑

*contact us for availability



BENEFITS

- High performance: 2 Vortex pumps in single or three phases
- SMART monitoring system of the station with remote alarm unit
- Direct and secure access to the pumps
- Accessories: isolation valves and carbon air filter

APPLICATIONS

- Pumping of sewage from shops, residential areas, apartment buildings or shops
- For installation inside buildings

ISOLATION VALVE

DN50: EAN 3308815061030
DN100: EAN 3308815061023



CARBON AIR FILTER

EAN 3308815076867



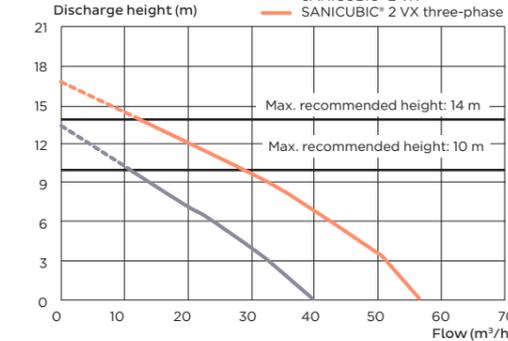
SANICUBIC® 2VX

SEWAGE LIFTING UNIT

FEATURES

- Materials Polyethylene
- Max. temperature of incoming waste water 70°C intermittently (max. 5 min.)
- ON/OFF level 166/100 mm
- Alarm level 240 mm
- Activation pressure system
- Outlet DN 100

PUMP GRAPH



REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	SWITCHING VOLUME (L)	U (V)	P (W)	FREQUENCY (HZ)	I MAX (A)	TR/MN	POWER CLASS	Q MAX (M³/H)	H MAX (M)	WEIGHT (KG)	REMOTE CONTROL	POWER CLASS CONTROL	ALARM		
SANICUBIC 2 VX S	3 308 815 063 140	CUBIC2XLVX	Vortex	120	26	230	2x2,000	50/60	16	2,800	IP 68	40	13	59	Classic	IP X4	External, wired		
SANICUBIC 2 VX S SMART	3 308 815 076 171	CUBIC2XLVXSMART							12								External, wireless		
SANICUBIC 2 VX T	3 308 815 074 689	CUBIC2XLVXTRI				400	2x3,500	12	55	17	60	Classic	IP X4	55	17	60	Classic	IP X4	External, wired
SANICUBIC 2 VX T SMART	3 308 815 076 188	CUBIC2XLVXTRISMARK																	12



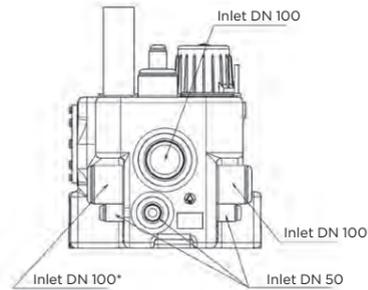
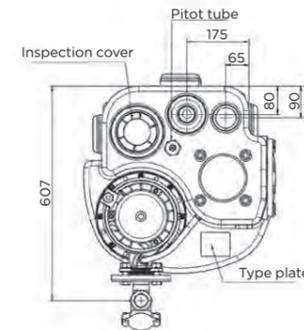
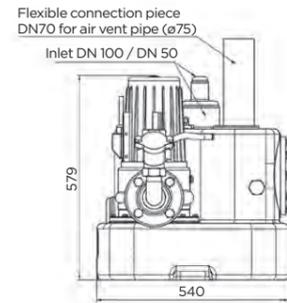
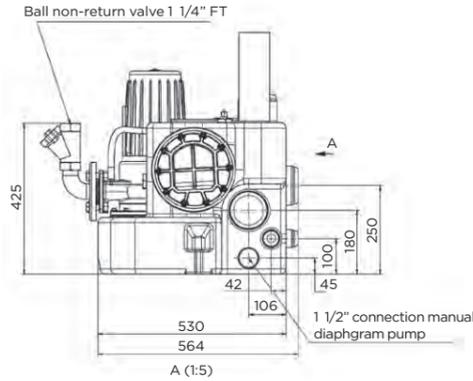
SANICUBIC® 1GR

SEWAGE LIFTING UNITS



SEWAGE
WC, bathroom, kitchen and laundry

39 m
↑



* This inlet must be directed to a height of 250 mm above the ground level directly after the lifting unit.

BENEFITS

- Compact dimensions
- High performance : 1 Grinder pump in single or 3 phases
- Pre-assembled - connection pieces & non-return valve included
- Comfort control unit included in delivery
- For long pressure pipes (DN 50)
- Suitable for pressure drainage
- High delivery heads

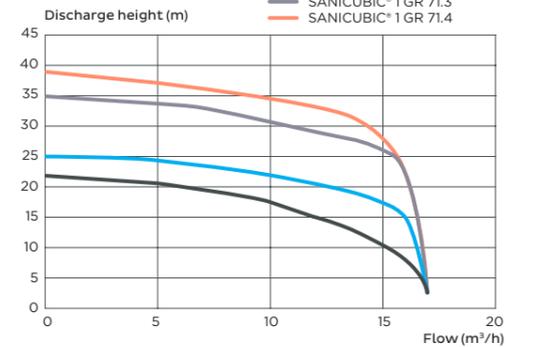
APPLICATIONS

- Pumping of domestic sewage from basement apartments or single-family houses
- Above-ground installation in frost-free rooms below the backflow

FEATURES

- Polyethylene container with 55 litres capacity and up to 45 litres switching volume
- Pressure outlet flange DN 50 with flanged connecting bend and non-return ball valve 1 1/4" F
- Operation temperature max. 55°
- Operating mode S3 - 25%

PUMP GRAPH

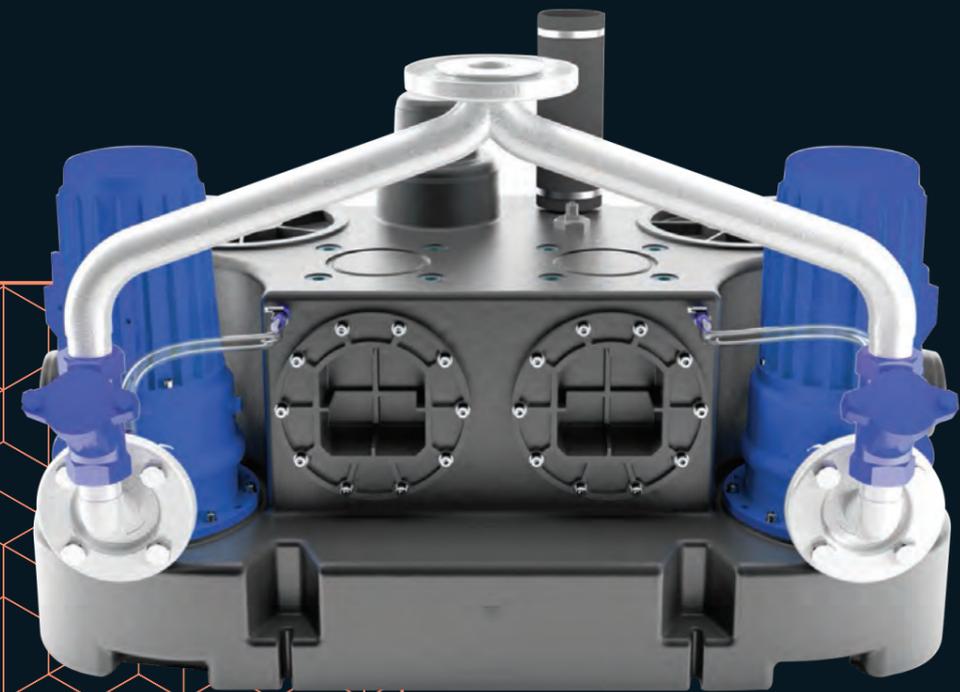


REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	SWITCHING VOLUME (L)	U (V)	P1 (W)	P2 (W)	FREQUENCY (HZ)	I NOM (A)	TR/MN	POWER CLASS	Q MAX (M³/H)	H MAX (M)	WEIGHT (KG)	REMOTE CONTROL	POWER CLASS CONTROL	ALARM
SANICUBIC 1GR SE71.1S	3 308 815 079 110	CUBIC1GRSE71.1S	Grinder	55	45	230	2,100	1,700	50/60	10.5	2,800	IP 68	17	22	68	ZPS1	IP65	External, wired
SANICUBIC 1GR SE71.1T	3 308 815 079 127	CUBIC1GRSE71.1T								3.7				64				
SANICUBIC 1GR SE71.2T	3 308 815 079 134	CUBIC1GRSE71.2T				3.7	64											
SANICUBIC 1GR SE71.3T	3 308 815 079 141	CUBIC1GRSE71.3T				6.5	68											
SANICUBIC 1GR SE71.4 T	3 308 815 079 158	CUBIC1GRSE71.4T				6.5	68											



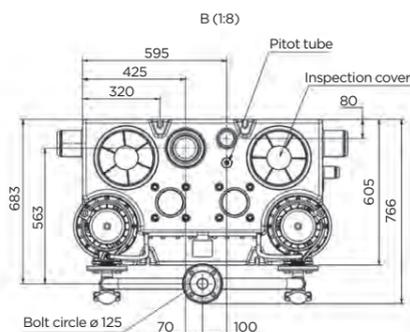
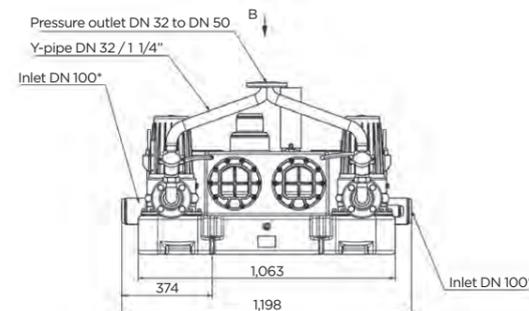
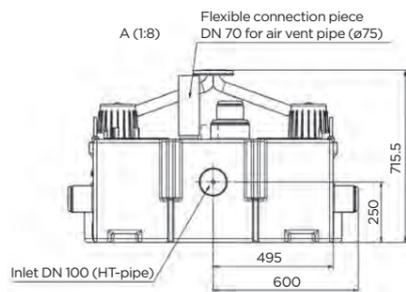
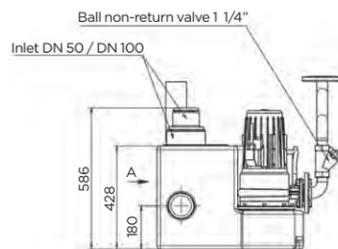
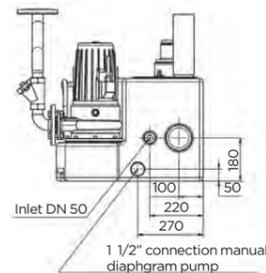
SANICUBIC® 2GR

SEWAGE LIFTING UNITS



SEWAGE
WC, bathroom, kitchen and laundry

39 m
↑



BENEFITS

- Compact dimensions
- High performance : 2 Grinder pumps in 3 phases
- Pre-assembled - connection pieces & non-return valve included
- Comfort control unit included in delivery
- For long pressure pipes (DN 50)
- Suitable for pressure drainage
- High delivery head

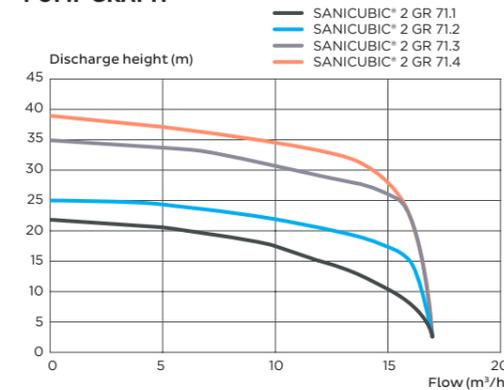
APPLICATIONS

- Pumping of domestic sewage from single-family houses and apartment buildings for greater heads or long pressure pipes
- Above-ground installation in frost-free rooms below the backflow level

FEATURES

- Polyethylene container with 150 litres capacity and up to 80 litres switching volume
- Pressure outlet flange DN 50 with flanged connecting bend and non-return ball valve 1 1/4" F
- Operation temperature max. 55°C
- Operating mode S3 - 40%

PUMP GRAPH



REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	SWITCHING VOLUME (L)	U(V)	P1 (W)	P2 (W)	FREQUENCY (HZ)	I NOM (A)	TR/MN	POWER CLASS	Q MAX (M³/H)	H MAX (M)	WEIGHT (KG)	REMOTE CONTROL	POWER CLASS CONTROL	ALARM
SANICUBIC 2 GR SE71.1.T	3 308 815 079 165	CUBIC2GRSE71.1T	Grinder	150	80	400	2x2,100	2x1,700	50/60	2x3.7	2,800	IP 68	17	22	137	ZPS2	IP 65	External, wired
SANICUBIC 2 GR SE71.2.T	3 308 815 079 172	CUBIC2GRSE71.2T												25				
SANICUBIC 2 GR SE71.3.T	3 308 815 079 189	CUBIC2GRSE71.3T					2x3,900	2x3,200		2x6.5				35	144			
SANICUBIC 2 GR SE71.4.T	3 308 815 079 196	CUBIC2GRSE71.4T												39				



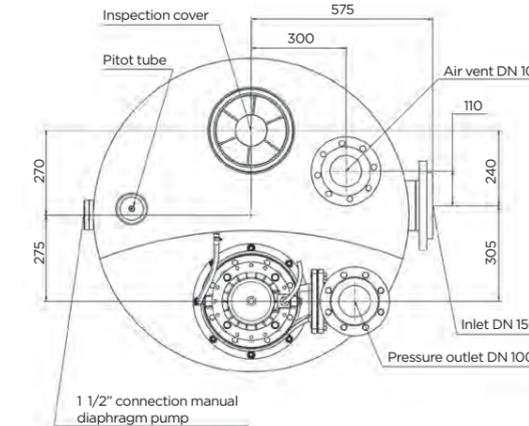
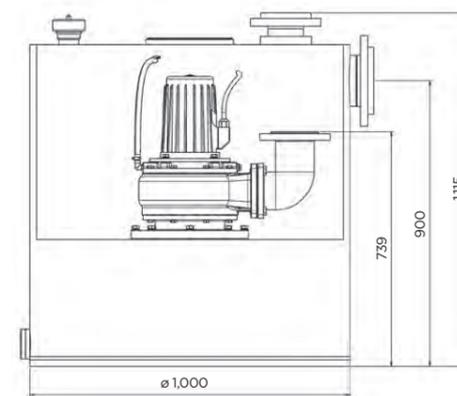
SANICUBIC® 1 SC

SEWAGE LIFTING UNITS



SEWAGE
WC, bathroom, kitchen and laundry

22 m
↑



BENEFITS

- High performance: 1 single channel pump in three phases
- Custom dimensions, custom inlets and on-site-assembly possible (volume up to 20,000 litres available)
- Blockage-free operation by 80 mm solids handling
- Comfort control unit included in delivery

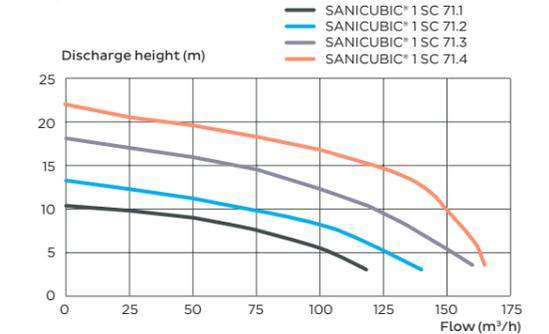
APPLICATIONS

- Drainage of sewage from apartment buildings or industrial enterprises etc.
- Above-ground installation in frost-free rooms below the backflow level

FEATURES

- Polyethylene container
- Pump housing with flanged outlet bend DN 100
- Lateral inlet with loose-type flange DN 150
- Additional connection 1 1/2" for manual diaphragm pump
- Star-delta-start for 7.5 kW unit
- Operation temperature max. 55°C
- Operating mode S3 - 25%
- Switching volume adjustable

PUMP GRAPH



REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	SWITCHING VOLUME (L)	U(V)	P1 (W)	P2 (W)	FREQUENCY (HZ)	I NOM (A)	TR/MN	POWER CLASS	Q MAX (M³/H)	H MAX (M)	WEIGHT (KG)	REMOTE CONTROL	POWER CLASS CONTROL	ALARM
SANICUBIC 1SC3.0 T	3 308 815 079 035	CUBIC1SC3.0T	Single Channel	480	270	400	4,000	3,000	50/60	6.9	1,400	IP 57	120	10	210	ZPS1	IP 65	External, wired
SANICUBIC 1SC4.0 T	3 308 815 079 042	CUBIC1SC4.0T					5,500	4,000		11.2			140	13	220			
SANICUBIC 1SC5.5 T	3 308 815 079 059	CUBIC1SC5.5T					6,300	5,500		12.1			160	18	225			
SANICUBIC 1SC7.5 T	3 308 815 079 066	CUBIC1SC7.5T					8,700	7,500		16.9			165	22	240			



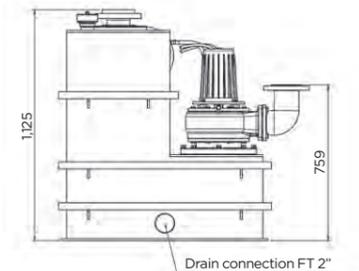
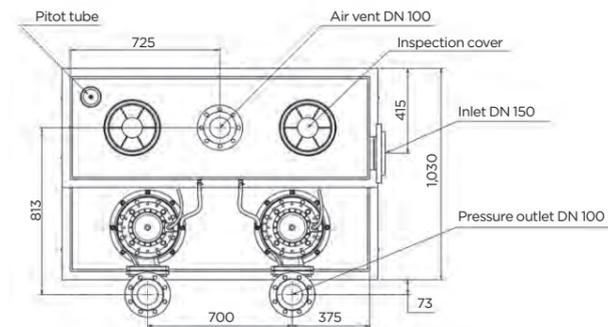
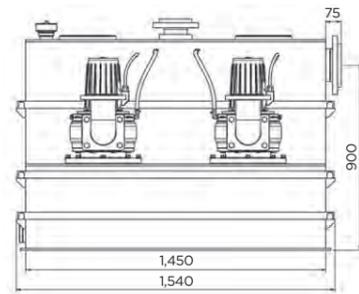
SANICUBIC® 2SC

SEWAGE LIFTING UNITS



SEWAGE
WC, bathroom, kitchen and laundry

22 m
↑



BENEFITS

- High performance: 2 single channel pumps in three phases
- Large container volume and switching volume
- Blockage-free operation by 80 mm (3.0 & 4.0 kW version) or 100 mm (5.5 & 7.5 kW version) solids handling
- Comfort control unit included in delivery

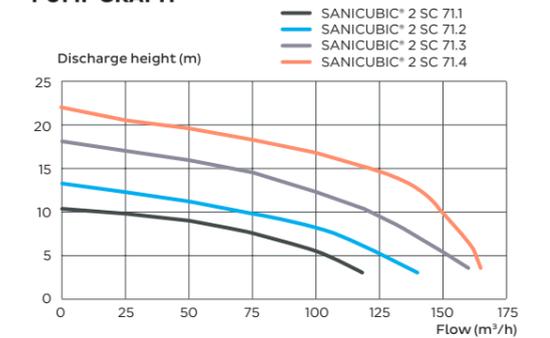
APPLICATIONS

- Drainage of domestic sewage from apartment buildings, residential areas, hospitals, schools etc.
- Institutions which need a continuous sewage drainage

FEATURES

- Polyethylene container
- Pump housing with flanged outlet bend DN 100
- Lateral inlet with loose-type flange DN 150
- Additional connection 1 1/2" for manual diaphragm pump
- Star-delta-start for 7,5 kW unit
- Operation temperature max. 55°C
- Operating mode S3 - 40%
- Alarm level adjustable

PUMP GRAPH



REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	SWITCHING VOLUME (L)	U(V)	P1 (W)	P2 (W)	FREQUENCY (HZ)	I NOM (A)	TR/MN	POWER CLASS	Q MAX (M³/H)	H MAX (M)	WEIGHT (KG)	REMOTE CONTROL	POWER CLASS CONTROL	ALARM
SANICUBIC 2 SC3.0 T	3 308 815 079 073	CUBIC2SC3.0T	Single Channel	1,000	500	400	2x4,000	3,000	50/60	2x6.9	1,400	IP 57	120	10	370	ZPS2	IP 65	External wired
SANICUBIC 2 SC4.0 T	3 308 815 079 080	CUBIC2SC4.0T					2x5,500	4,000		2x11.2			140	13	385			
SANICUBIC 2 SC5.5 T	3 308 815 079 097	CUBIC2SC5.5T					2x6,300	5,500		2x12.1			160	18	400			
SANICUBIC 2 SC7.5 T	3 308 815 079 103	CUBIC2SC7.5T					2x8,700	7,500		2x16.9			165	22	425			

SOME INSTALLATION ADVICE FOR YOUR **SANIFOS® UNDERGROUND PUMPING STATION**

**DURING THE INSTALLATION OF THE
SANIFOS® UNDERGROUND PUMPING
STATION, DIFFERENT PARAMETERS
MUST BE CONSIDERED AND RESPECTED.**



Standards

Our devices respect the EN12050-1 standards of pumping stations for all waters and must be installed following the recommended guidelines of EN 12056-4 and EN 752-6.

1 THE KIND OF GROUND*

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

**SANIFOS® PUMPING STATIONS
CAN ALSO BE INSTALLED INSIDE
THE HOME, IN A FLOOR-STANDING
POSITION.**



2 WHERE TO INSTALL THE PUMPING STATION?

SANIFOS® pumping stations have an incoming water flow height of 182 mm to 2,450 mm (and 2,840 mm with the extension and manhole class D), enabling them to be installed at various distances from the house.

3 WHY DOES YOUR STATION NEED GOOD VENTILATION?

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

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

To do this, pumping stations have two ventilation holes.



*For accurate technical information, please refer to the installation instructions and professional standards or seek advice from our technical service: sales@saniflo.co.uk

SANIFOS® FULL RANGE FOR EACH NEED

...ITS RELIABILITY



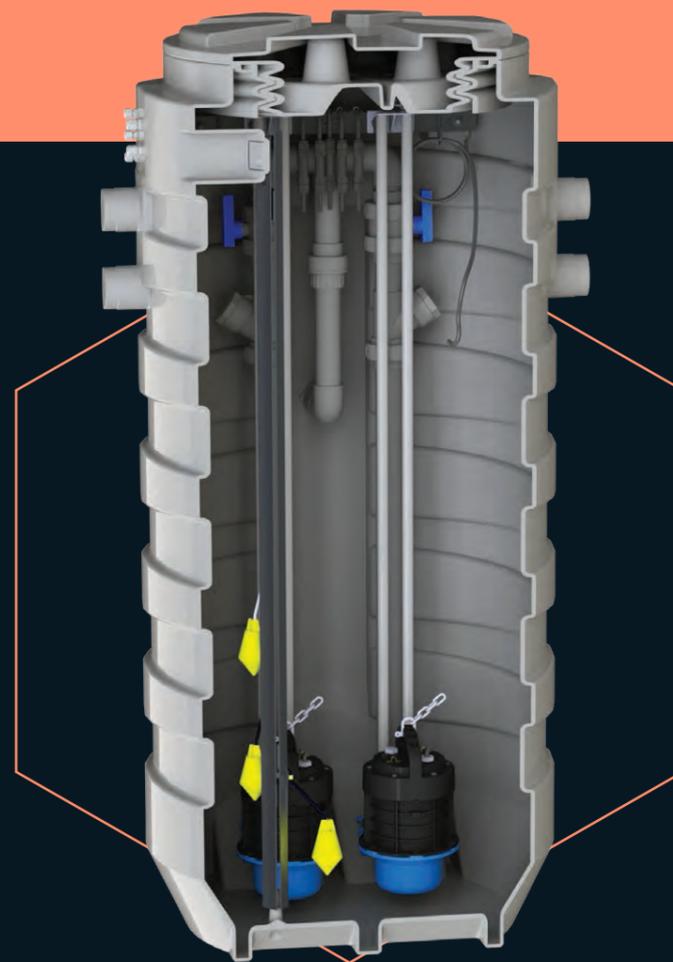
...ITS FLEXIBILITY



...ITS PERFORMANCE



...ITS EASY INSTALLATION AND MAINTENANCE



...ITS VARIOUS COMBINATION



...ITS 7 TANK SIZES
FROM 110 L TO 3 100 L



SANIFOS® 110

PUMPING STATION
1 PUMP

SEWAGE

WC, bathroom, kitchen and laundry

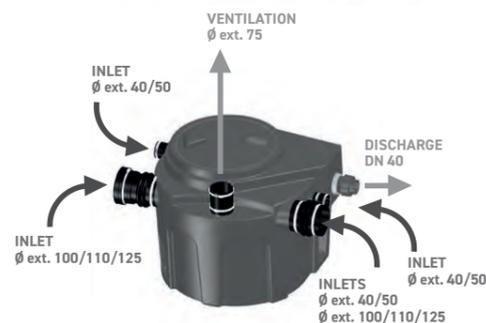
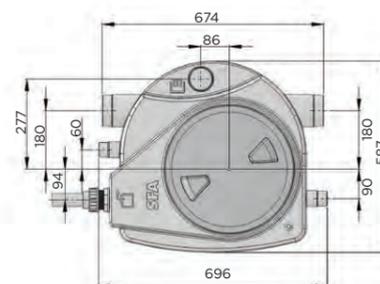
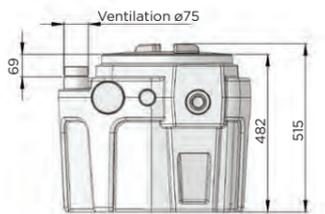
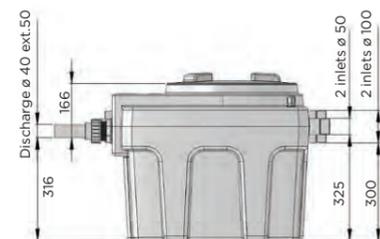
14 m



32



Grinder
ProX K2



BENEFITS

- High performance: SFA patented Grinder
- Easy installation
- Evacuation accessory for a complete solution
- One version available with a pedestrian manhole (SANIFOS 110 1 GR SP S)

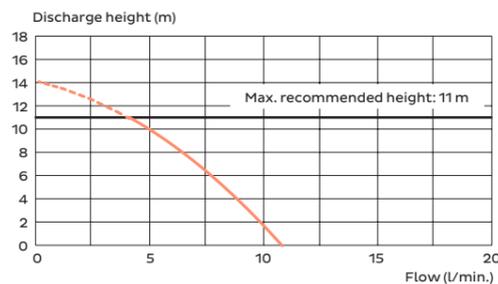
APPLICATIONS

- Pumping of sewage from single-family houses
- For installations outside buildings

FEATURES

- Materials: Polyethylene
- Max. temperature of incoming waste water 70°C intermittently (max. 5 min.)
- ON/OFF level 320/120 mm
- Incoming water flow line: 182 mm
- Activation system: float
- Outlet DN 40

PUMP GRAPH



SANIFOS® 250

UNDERGROUND PUMPING STATION
1 PUMP

SEWAGE

WC, bathroom, kitchen and laundry

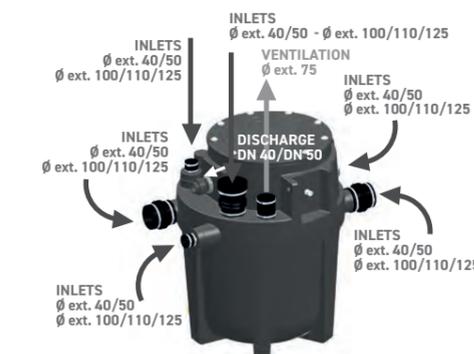
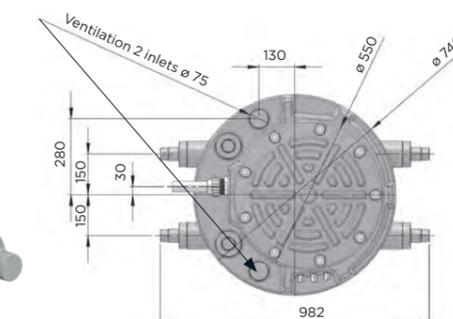
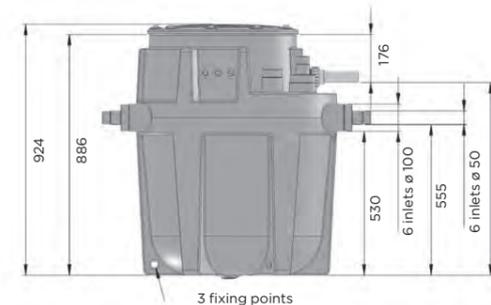
14 m



Grinder
ProX K2



Vortex KX V6



BENEFITS

- High performance: SFA Grinder or Vortex pump single phase
- Easy installation and maintenance: fully equipped
- SMART monitoring system of the station with remote alarm unit
- Flexible installation with an available extension of 40 cm

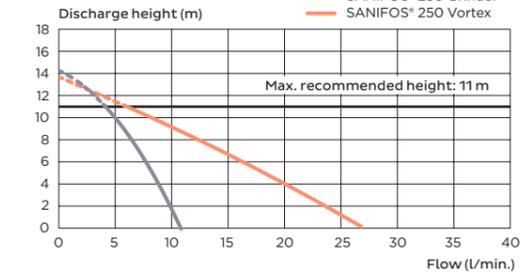
APPLICATIONS

- Pumping of sewage from single-family houses
- For installation outside buildings

FEATURES

- Materials: Polyethylene
- Max. temperature of incoming waste water 70°C intermittently (max. 5 min.)
- ON/OFF level 400/100 mm
- Incoming water flow line: 311 mm (with extension: 611 mm)
- Activation system float
- Alarm level: 550 mm
- Check valve
- Outlet DN 40 for Grinder
- Outlet DN 50 for Vortex

PUMP GRAPH



REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	U (V)	P (W)	FREQUENCY (HZ)	I MAX (A)	TR/MN	Q MAX (M ³ /H)	H MAX (M)	REMOTE CONTROL	ALARM
SANIFOS 110	3 308 815 074 993	SANIFOS110	Grinder	110	230	1,500	50/60	6	2,800	11	14	-	-
SANIFOS 110 1 GR SP S	3 308 815 079 318	SANIFOS110P											

REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	U (V)	P (W)	FREQUENCY (HZ)	I MAX (A)	TR / MN	Q MAX (M ³ /H)	H MAX (M)	REMOTE CONTROL	ALARM
SANIFOS 250 1 GR SP S	3 308 815 074 627	SANIFOS250	Grinder	250	230	1,500	50/60	6	2,800	11	14	-	External, wireless
SANIFOS 250 1 VX SP S	3 308 815 076 157	SANIFOS250VORTEX	Vortex							27	13		

33



SANIFOS® 500

UNDERGROUND PUMPING STATION
2 PUMPS



Vortex KX V6



Grinder ProX K2

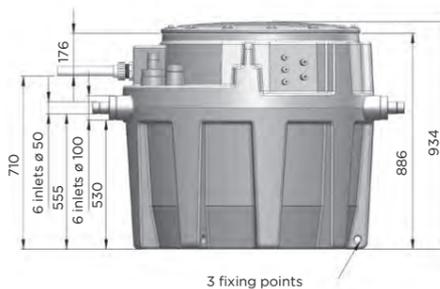


Smart control for SANIFOS 500

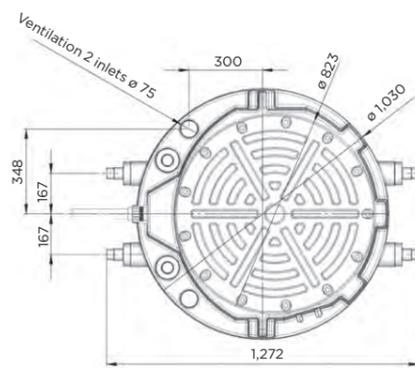
SEWAGE

WC, bathroom, kitchen and laundry

16 m



3 fixing points



SANIFOS® 500

UNDERGROUND PUMPING STATION

BENEFITS

- For all configurations: 2 Grinder or Vortex pumps in single or three phases
- Easy installation and maintenance: fully equipped
- SMART monitoring system of the station with remote alarm unit
- Available extension: 40cm

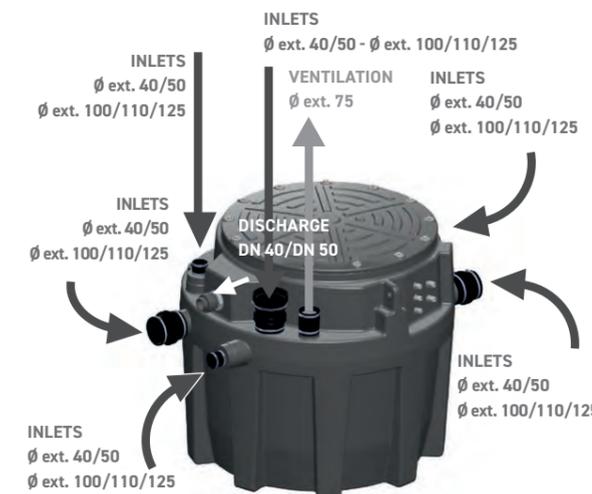
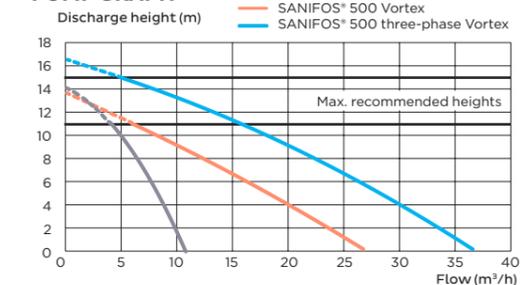
APPLICATIONS

- Pumping of sewage from shops or single-family houses
- For installations outside buildings

FEATURES

- Materials: Polyethylene
- Max. temperature of incoming waste water 70°C intermittently (max. 5 min.)
- ON/OFF level 500/132 mm
- Incoming water flow line: 311 mm (with extension: 611 mm)
- Activation system float
- Alarm level: 550 mm
- 2 Check valve
- Outlet DN 40 for Grinder
- Outlet DN 50 for Vortex

PUMP GRAPH



INLETS
 Ø ext. 40/50 - Ø ext. 100/110/125

VENTILATION
 Ø ext. 75

INLETS
 Ø ext. 40/50
 Ø ext. 100/110/125

DISCHARGE
 DN 40/DN 50

INLETS
 Ø ext. 40/50
 Ø ext. 100/110/125

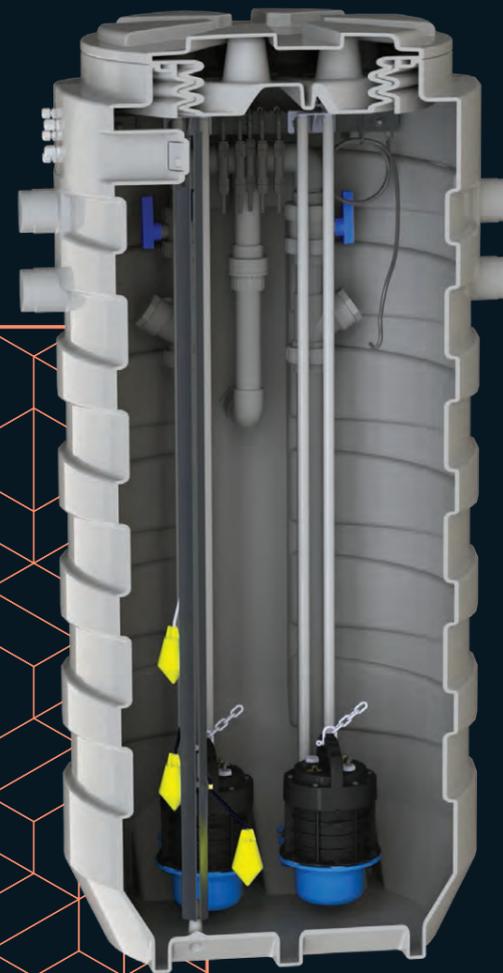
INLETS
 Ø ext. 40/50
 Ø ext. 100/110/125

REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	U (V)	P (W)	FREQUENCY (HZ)	I MAX (A)	TR/MN	Q MAX (M³/H)	H MAX (M)	REMOTE CONTROL	POWER CLASS CONTROL	ALARM
SANIFOS 500 2GR SP S	3 308 815 074 634	SANIFOS500	Grinder	500	230	2x1,500	50/60	2x6	2,800	11	14	Smart	IP X4	External, wireless
SANIFOS 500 2VX SP S	3 308 815 076 218	SANIFOS500VORTEX	Vortex							27	13			
SANIFOS 500 2VX SP T	3 308 815 076 225	SANIFOS500VORTEXTRI	Vortex							36	16			



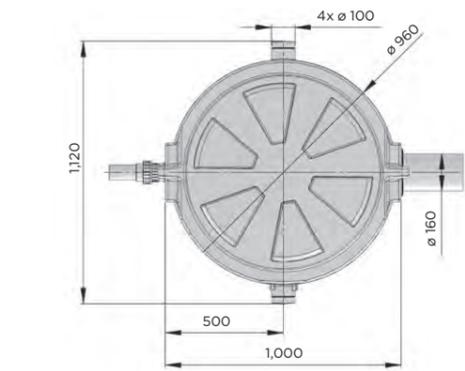
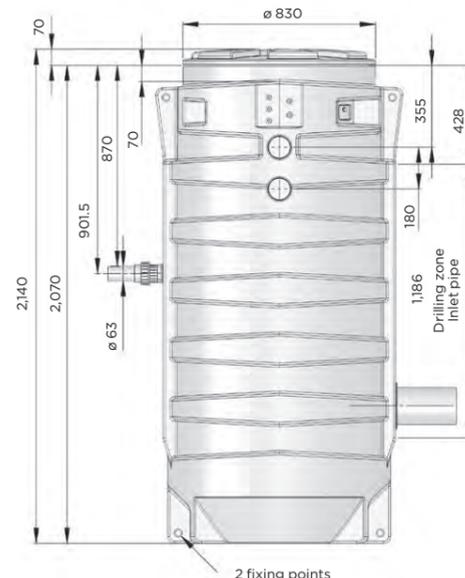
SANIFOS® 1300

UNDERGROUND PUMPING STATION
2 PUMPS

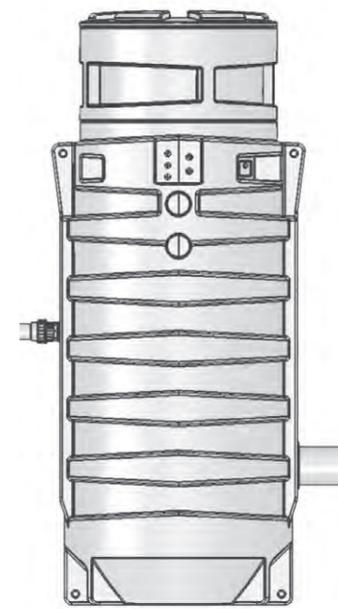


SEWAGE
WC, bathroom, kitchen and laundry

17 m
↑



SANIFOS 1300 with extension 40 cm,
Reference: EAN 3308815077826
RO250100



BENEFITS

- For all configurations: single or three phases, Grinder or Vortex
- 2 pumps on stainless guide
- Inlet vertical drilling zone with template
- Available extension: 40 cm

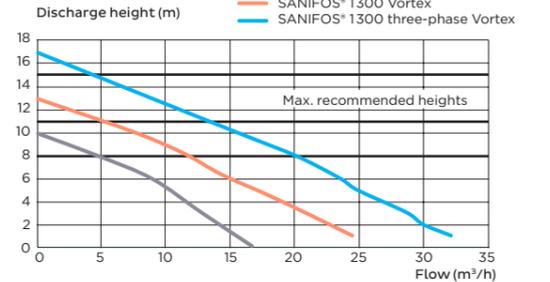
APPLICATIONS

- Pumping of sewage from multiple single-family houses or shops
- For installation outside buildings
- Fully compatible with an installation where the ground can become frozen
- Discharge depth: 870 mm (or 1,270 mm with extension)

FEATURES

- Materials: Polyethylene
- Max. temperature of incoming waste water 70°C intermittently (max. 5 min.)
- ON/OFF level 650/150 mm
- Incoming water flow line: 428 - 1,614 mm (with extension: 828 - 2,014 mm)
- Activation system float
- Alarm level: 930 mm
- 2 Check valve
- Outlet DN 160
- Discharge DN 63

PUMP GRAPH



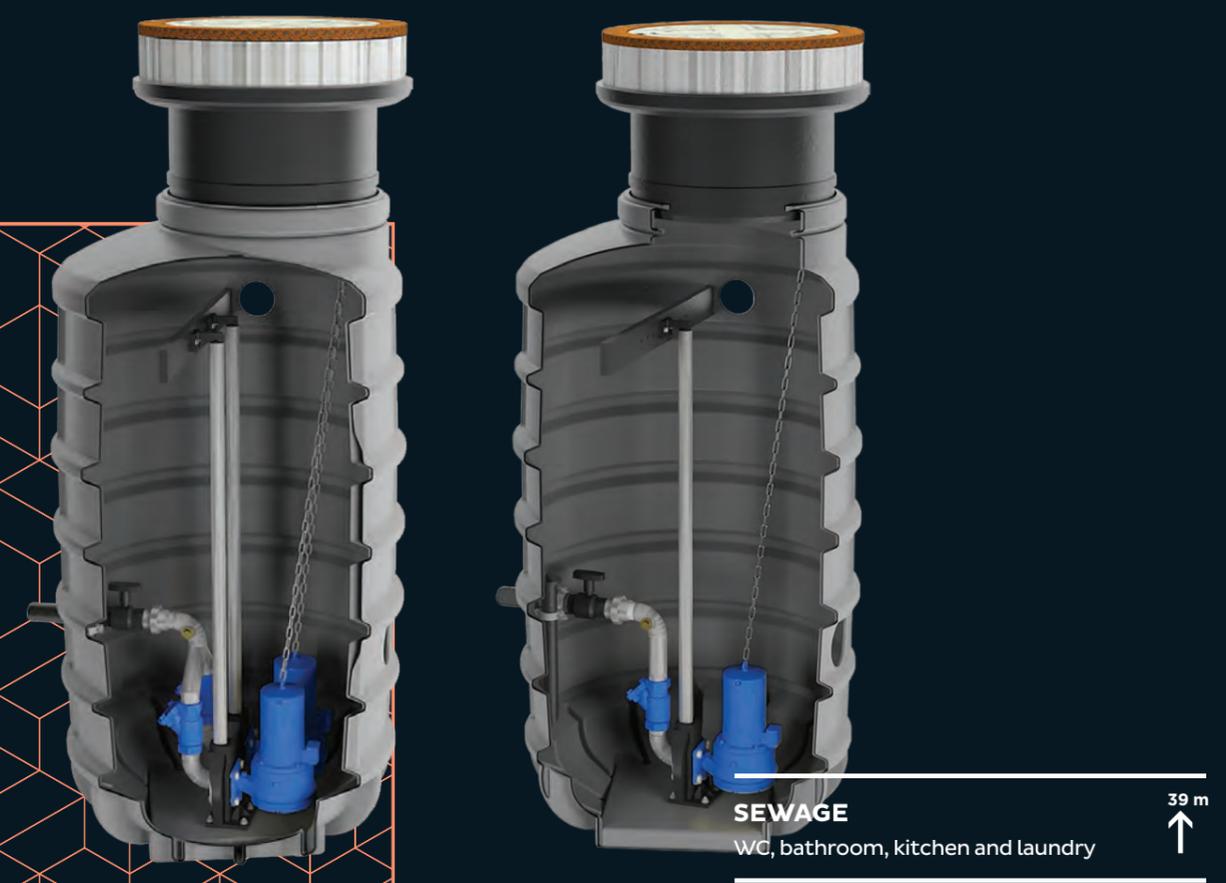
Smart control for SANIFOS 1300

REFERENCE	EAN	FACTORY CODE	SYSTEM	TANK (L)	U (V)	P (W)	FREQUENCY (HZ)	I MAX (A)	TR / MN	Q MAX (M³/H)	H MAX (M)	REMOTE CONTROL	POWER CLASS CONTROL	ALARM
SANIFOS 1300 2GR SP 5	3 308 815 077 796	SANIFOS1300	Grinder	1,300	230	2x1,500	50/60	2x6	2,800	16	10	Smart	IP X4	External, wireless
SANIFOS 1300 2VX SP 5	3 308 815 077 802	SANIFOS1300VORTEX	Vortex							25	13			
SANIFOS 1300 2VX SPT	3 308 815 077 819	SANIFOS1300VORTEXTRI	Vortex							32	17			



SANIFOS® 1600 2100/3100

UNDERGROUND PUMPING STATION 1 PUMP/2 PUMPS



BENEFITS

- Pumping station available with one or two Grinder pumps
- High inlet depths possible (max. 2.94 m)
- Complete set - ready for connection available with control unit
- Load capacity up to 40 tons (class D)

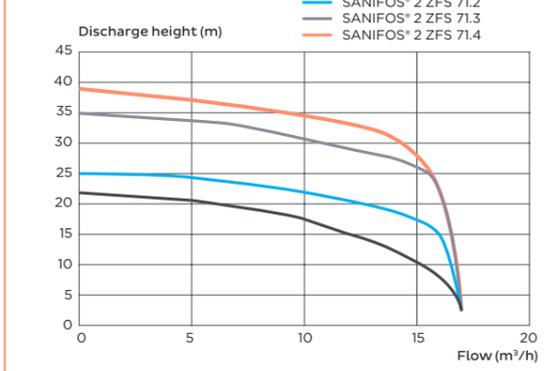
APPLICATIONS

- Pumping of sewage from single-family houses or apartment buildings
- For installation outside buildings
- Manhole covers class B and D so can be driven over

FEATURES

- Packaged pumping station made of corrosion-resistant PE-LLD
- Buoyancy-proof up to ground water level of max. 1.2 m from manhole's lower edge
- Stainless steel piping DN 32, pre-assembled with coupling system
- Alarm level adjustable
- Non-return valve, gate valve and fl using connection 1"
- Pressure outlet PE-HD 63 x 5.8 - outside the manhole
- 1 x inlet DN 150, further inlets optional
- 2 x connection DN 100 for cable gland and air vent

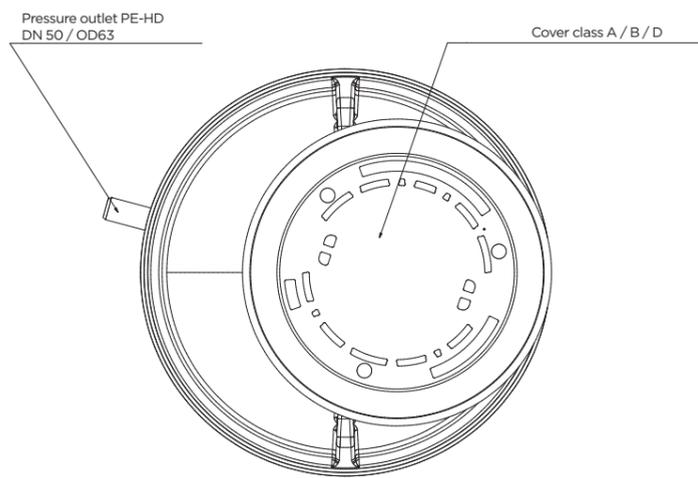
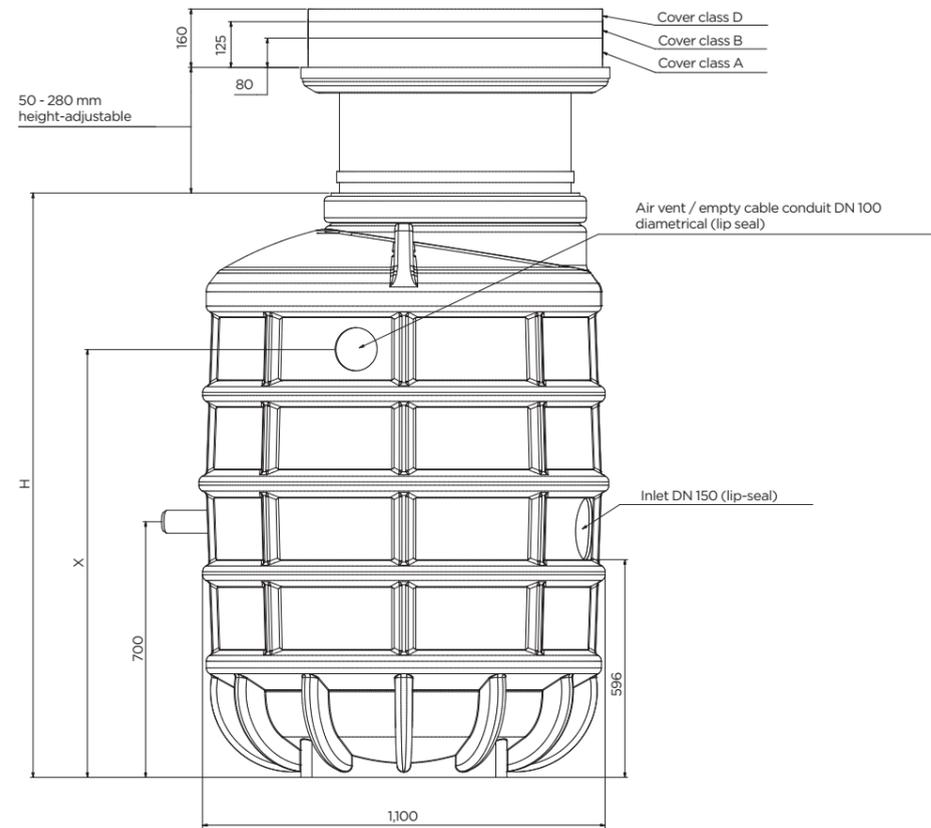
PUMP GRAPH



REFERENCE	TANK (L)	NUMBER OF PUMPS	MANHOLE OPTION	SYSTEM	PUMP	U (V)	FREQUENCY (HZ)	P1 (W)	P2 (W)	I NOM (A)	TR/MN	POWER CLASS	Q MAX (M³/H)	H MAX (M)	REMOTE CONTROL	POWER CLASS CONTROL	ALARM	
SANIFOS	1,600 2,100 3,100	1 or 2	A, B or D	Grinder	ZFS71.1 S	230	50/60	2,200	1,600	10.5	2,800	IP 68	17	22	ZPS 1.2 S	IP 65	External, wired	
					ZFS71.1 T													
					ZFS71.2 T	400		2,100	1,700	3.7								IP 69
					ZFS71.3 T													
					ZFS71.4 T	3,900		3,200	6.5	IP 70								IP 71

SANIFOS® 1600/2100/3100

UNDERGROUND PUMPING STATION



Manhole height: H	X
3,100	2,675
2,100	1,675
1,600	1,175



SANIPUMP®

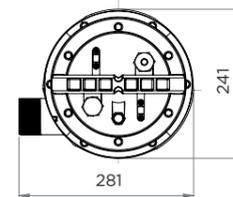
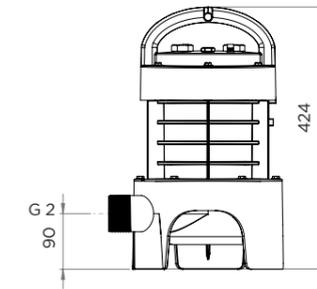
SEWAGE PUMPS

SEWAGE WATER
WC, bathroom, kitchen and laundry

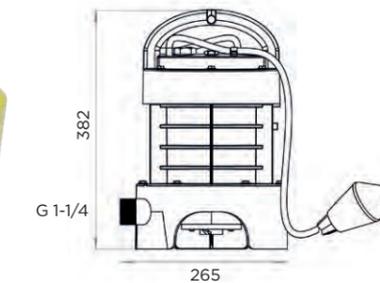
14 m
↑



SANIPUMP® Vortex



SANIPUMP® Grinder



BENEFITS

- Autonomous pump operation
- SANIPUMP® performance, Grinder version:
 - Flow up to 11 m³/h.
 - Height of discharge pipe (Q = 0 m³/h): 14 m
- SANIPUMP® performance, Vortex version:
 - Flow up to 27 m³/h.
 - Height of discharge pipe (Q = 0 m³/h): 13 m

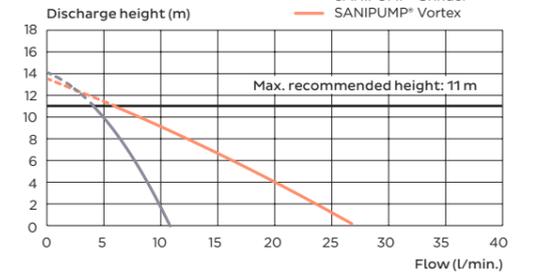
APPLICATIONS

- WC
- Bathroom
- Kitchen and laundry

FEATURES

- Materials Polyethylene reinforced with fiber glass
- Max. temperature of incoming waste water 70°C intermittently (max. 5 min.)
- ON/OFF level 400/100 mm
- Activation system float
- Outlet DN 40 for Grinder
- Outlet DN 50 for Vortex

PUMP GRAPH



REFERENCE	EAN	FACTORY CODE	SYSTEM	U (V)	P (W)	FREQUENCY (HZ)	I MAX (A)	TR/MN	Q MAX (M ³ /H)	H MAX (M)	WEIGHT (KG)
SANIPUMP GR S	3 308 815 074 610	POMPIMMERGE	Grinder	230	1,500	50/60	6	2,800	11	14	13
SANIPUMP VX S	3 308 815 076 201	POMPIMMERGEVORTEX	Vortex						27	13	13

ACCESSORIES

> ISOLATION VALVES

To comply with regulations and to facilitate maintenance operations, isolation valves must be installed on the effluent inputs as well as on the evacuation pipe.

Knife gate valves for inlet pipes



Reference:
EAN 3308815061023

Reference:
EAN 3308815061030

DN100 ball valve for evacuation: especially for the SANICUBIC® 2 VX



Reference:
EAN 3308815066820

SANIFOS® evacuation kit 110: stop valve and check valve



Reference:
EAN 3308815066024

> EXTENSIONS FOR SANIFOS®

In order to increase the incoming water flow of SANIFOS® pumping stations, extensions are available as accessories. They have the same diameter as the tank and are not stackable.

SANIFOS® 250 EXTENSION



SANIFOS® 250
with 30 cm extension
IWF: 611 mm

Reference:
EAN 3308815075730

SANIFOS® 500 EXTENSION



SANIFOS® 500
with 30 cm extension
IWF: 611 mm

Reference:
EAN 3308815075723

SANIFOS® 1300 EXTENSION



SANIFOS® 1300
with 40 cm extension
IWF: 2,014 mm

Reference:
EAN 3308815077826

> CARBON AIR FILTER

Neutralises odours.

Reference:
Carbon air filter SANICUBIC®
EAN 3308815076867

Carbon air filter SANICUBIC® VX
EAN 3308815076874



MANHOLE COVERS AND GRATINGS

EXCERPT FROM STANDARD EN124

Manhole covers and gratings for pedestrian and vehicular traffic. Manufacturing principles, type tests, marks, quality control.

Manhole covers and gratings are divided into the following classes: A15, B125, C250, D400, E600, F900.



CLASS A15
Area which can only be used by
pedestrian and pedal cyclists



CLASS B125
Footways, pedestrian areas
and comparable areas, car parks
or parking decks



CLASS D400
Arriageways of roads (pedestrian
streets included), hard shoulders
and parking areas for all types
of road vehicles

PRODUCT NAMING

For each situation SANIFLO has an answer: power supply, tank size, an outdoor or indoor installation or even the number of motors.

In the different ranges you'll find more than 130 solutions for every need.

Every product's name gives a lot of information. Please find below the "rules" to understand it easily.

FLOOR-STANDING STATIONS

EXAMPLE:
SANICUBIC 1 GR SE71.4 T
 1 2 3 4 5

1	2	3	4	5
TANK NAME	MOTORS	TECHNOLOGY	PUMP NAME	ELECTRIC
SANICUBIC	1	I for Impeller or GR for Grinder	Nothing	S for Single Phase
	or 2	or VX for Vortex	or Reference Name	or T for Three Phases

UNDERGROUND PUMPING STATIONS

EXAMPLE:
SANIFOS 2100 2 D GR ZFS71.2 T
 1 2 3 4 5 6 7

1	2	3	4	5	6	7
TANK NAME	VOLUME	MOTORS	MANHOLE	TECHNOLOGY	PUMP NAME	ELECTRIC
SANIFOS	110	1	Nothing if A or B	GR for Grinder	SP for SANIPump	S for Single Phase
	250					
	500	2	or D	or VX for Vortex	or Reference Name	or T for Three Phases
	1300					
	2100					
3100						

DO YOU HAVE **PLANS** TO INSTALL A **PUMPING STATION?**

THE **SOCIÉTÉ FRANÇAISE D'ASSAINISSEMENT** SUPPORTS YOU



1
COMPLETE
 the attached form



2
SCAN
 the page



3
SEND
 by e-mail to:
sales@saniflo.co.uk

OR SIMPLY GO THE SFA WEBSITE:
saniflo.co.uk/liftingstation



FLOOR-STANDING LIFTING STATION

ARE YOU LOOKING FOR: a quote a size enquiry

Your company: _____

Name: _____

Address: _____

Postcode: _____ City: _____

Phone: _____ Email: _____

PARTNER STAMP

Name: _____

First name: _____

UNDERGROUND LIFTING STATION

ARE YOU LOOKING FOR: a quote a size enquiry

Your company: _____

Name: _____

Address: _____

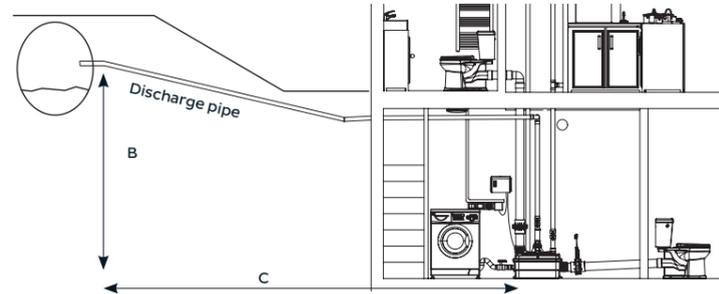
Postcode: _____ City: _____

Phone: _____ Email: _____

PARTNER STAMP

Name: _____

First name: _____



Project name / reference: _____

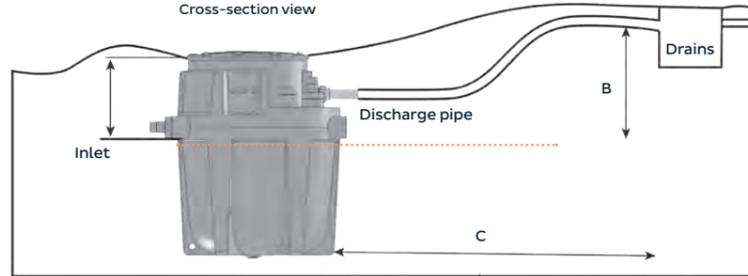
Estimated date of completion: _____

Address: _____

Postcode: _____ City: _____

Number of units to be installed:

Toilet(s) _____ Sink/Bidet(s) _____ Shower(s) _____ Bath(s) _____ Dishwasher _____ Washing machine _____



Project name / reference: _____

Estimated date of completion: _____

Address: _____

Postcode: _____ City: _____

Number of units to be installed:

Toilet(s) _____ Sink/Bidet(s) _____ Shower(s) _____ Bath(s) _____ Dishwasher _____ Washing machine _____

PROJECT DESCRIPTION

Number of users: _____

Number of pumps: 1 2

Installation: Single-phase Three-phase

Type of water: grey black rain

PROJECT DESCRIPTION

Geometric height (distance between the level of the drain and the lowest arrival point of the station) **B:** _____ **m**

Discharge pipe length (distance between the station and the drain) **C:** _____ **m**

Number of angles et 90°: _____ **at 45°:** _____

Internal diameter or discharge pipe: _____

PROJECT DESCRIPTION

Number of users: _____

Installation site: in a green space under paving stones
 presence of ground water

Number of pumps: 1 2

Installation: Single-phase Three-phase

Type of water: grey black rain

PROJECT DESCRIPTION

IWF (distance between the ground and the station's lowest arrival point) **A:** _____ **m**

Geometric height (distance between the level of the drain and the lowest arrival point of the station) **B:** _____ **m**

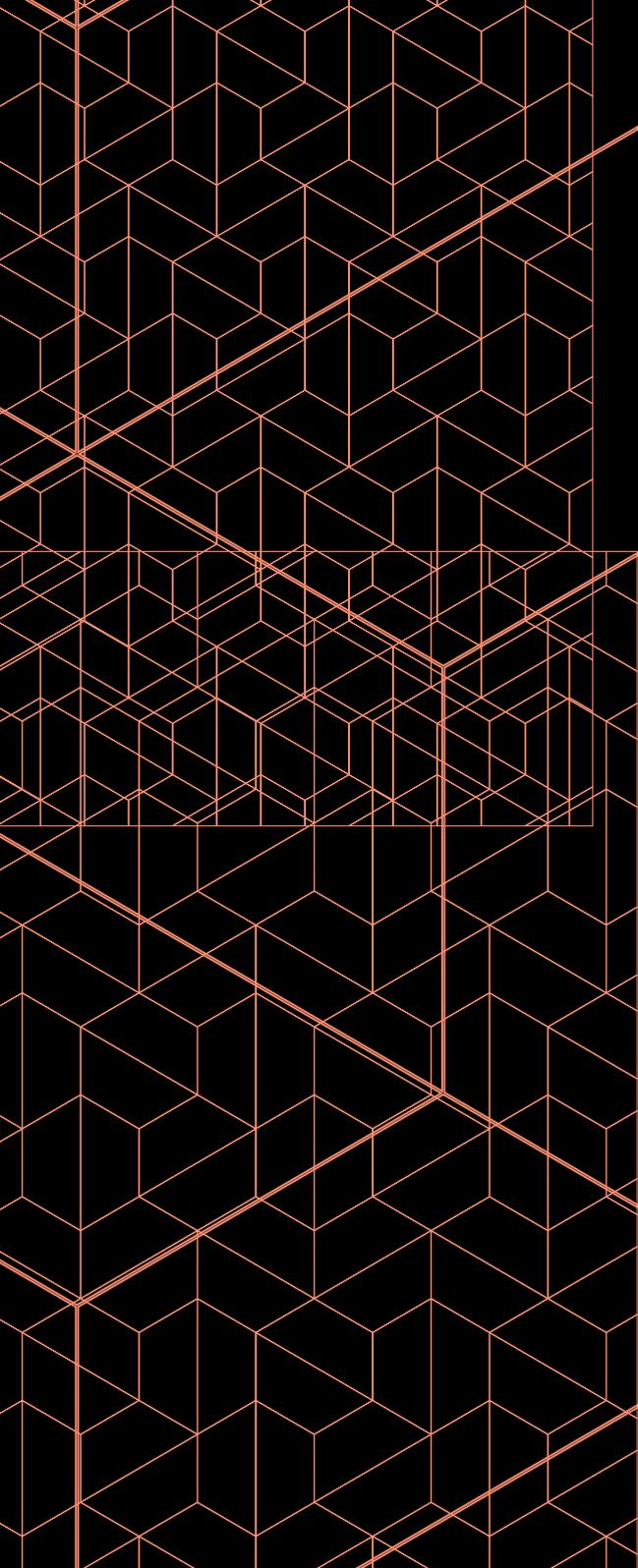
Discharge pipe length (distance between the station and the drain) **C:** _____ **m**

Number of angles et 90°: _____ **at 45°:** _____

Internal diameter or discharge pipe: _____

SANIFLO

SANIFLO



SANIFLO

saniflo.co.uk/liftingstation

Howard House, The Runway
South Ruislip HA4 6SE