

# ABS LIFTING STATION SANIMAT 1000



Faecal Lifting Station for the removal of wastewater and sewage from areas below the sewer level. Ideal for effective dewatering of houses with one or two living units and for new buildings or renovations.

## Features

- Plug-in unit with an earthed plug (230 V) or CEE plug (400 V) with phase sequence changeover facility.
- Dynamic pressure level sensor on the tank, with separate sensors for inflow level and high water alarm.
- Trouble-free maintenance thanks to simple removal of the motor housing.
- Two inflow levels (180 and 220 mm) allowing for flexible installation or direct toilet connection, control easily adjustable.
- Four horizontal supply points (2 x DN 100, 2 x DN 70) and two vertical (1 x DN 100, 1 x DN 150). Vertical vent line DN 70.
- Discharge flange DN 80, plus flanged socket with 4" sleeve and clips (for discharge pipe DN80/100).
- Connection option for manual diaphragm pump.
- Very quiet running thanks to 4-pole, slow-running motor.
- Vortex impeller with large free passage and rear blade mounting, for reliable pumping of both faecal and faecal-free sewage.
- Sloping container floor prevents deposits.
- Built-in mains alarm (visual and acoustic), can be converted to mains-independent by inserting battery.

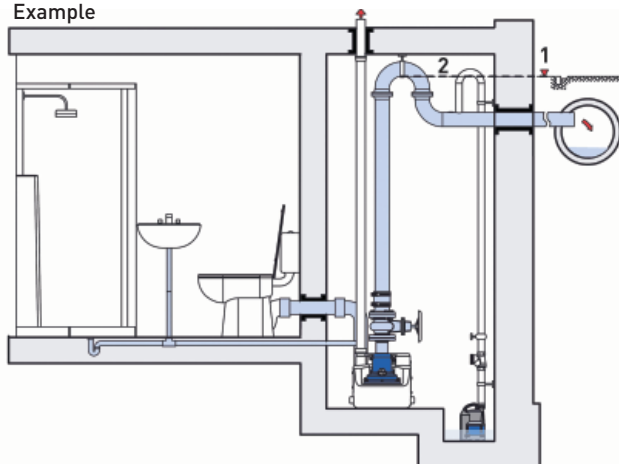
## Limitations

Medium temperature 40 °C, short term to 60 °C (max. 5 minutes)

## Installation

Attention to the backwash level is of vital importance for effective dewatering. All outflow points located below the backwash level must be protected against back flow according to standard DIN/EN 12056.

### Example



1. Backwash level

2. Backwash loop with base above the backwash level



## Materials

Tank .....	Polyethylene
Motor housing .....	Cast Iron EN-GJL-250
Rotor Shaft .....	Stainless Steel 1.4021 (AISI 420)
Volute .....	Polyethylene
Impeller .....	Cast Iron EN-GJL-250

## Synthetic Tank

Corrosion resistant, gas and odour-tight in accordance with DIN/EN 12050-1. Supplied as standard with pump, automatic level control and control box, non-return valve, 4" sleeve and flange.

**Capacity:** 70 litres

## Motor

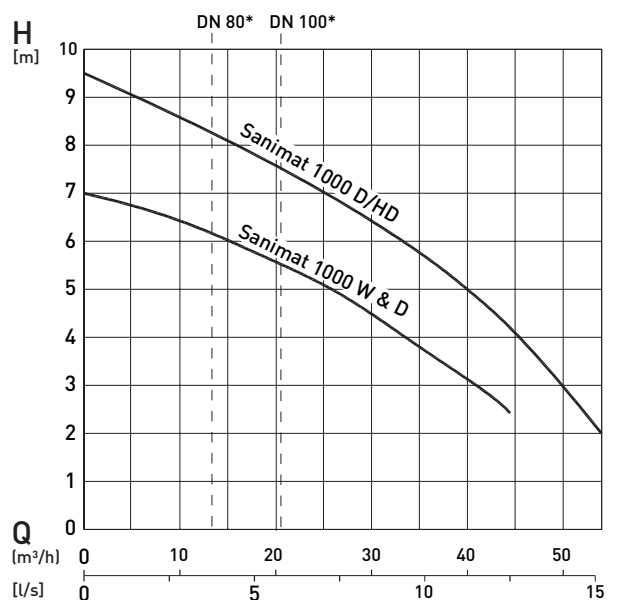
Water pressure sealed, squirrel cage 4-pole induction motor, with triple shaft seals and oil chamber. Electronic monitoring of stator temperature and overcurrent.

Power: 1.3 - 2.2 kW (at rotor shaft)

Insulation: Class F for 155 °C, protection type IP 68

Voltage: 1~ 230 V, 3~ 400 V - 50Hz

## Performance Curves 50 Hz

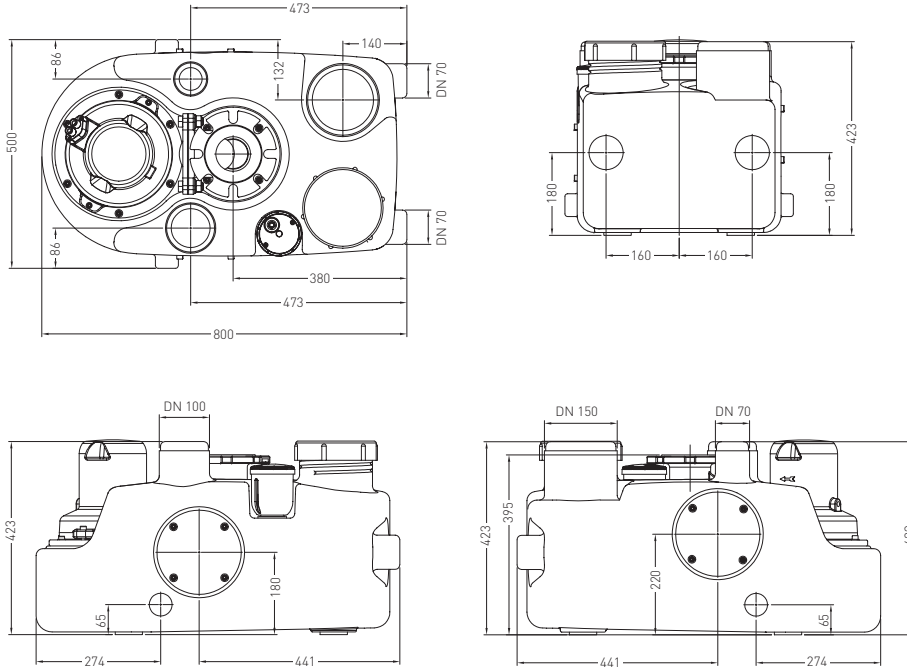


## Technical Data

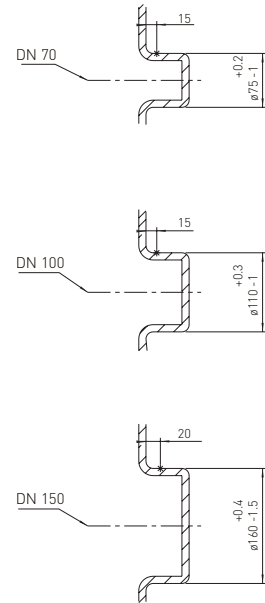
	Discharge connection	Motor power*		Speed min <sup>-1</sup>	Rated voltage (V)	Rated current	Cable** length	Weight *** kg
		P <sub>1</sub> kW	P <sub>2</sub> kW					
<b>Sanimat 1000 W</b>	Sleeve 4" DN 100	1.80	1.30	1450	220-240 ~	8.4 A	4+1.5 m	55
<b>Sanimat 1000 D</b>	Sleeve 4" DN 100	1.77	1.40	1450	400 3 ~	3.5 A	4+1.5 m	55
<b>Sanimat 1000 D/HD</b>	Sleeve 4" DN 100	2.88	2.20	1450	400 3 ~	5.2 A	4+1.5 m	57

\* P<sub>1</sub> = Power taken from mains; P<sub>2</sub> = Power at motor shaft    \*\*Tank to control unit 4 m, control unit mains 1.5 m    \*\*\* Additional weight of the hand membrane pump = 13 kg

## Tank dimensions mm



## Inlet diameters mm



## Accessories

	Description (Materials)	Size	Part No.
Discharge side	<b>Hand membrane pump</b> with built-in non return valve for separate wall fixing	G 1½"	14990028
	<b>Shut-off valve (EN-GJL-250)</b> including 1 set of bolts and seal PN10	DN 80	61420500
Inflow side	<b>Inflow Adapter</b> 1 supplied as standard	DN 100	41405002
	<b>Flanged sleeve E-KS</b> transition piece DIN-flange/push-on sleeve including 1 set of bolts and 1 flat gasket for vertical inflow	DN 100	62540025
	<b>Flanged spigot (EN-GJL-250)</b> for horizontal inflow in conjunction with shut off valve	4"/ DN 100	41400594
	<b>Shut-off valve (EN-GJL-250)</b> including 1 set of bolts and 1 flat gasket, flange PN 16	DN 100	61420501
Electrical	<b>NC-AKKU</b> 9V rechargeable battery for mains-independent alarm		12820018
	<b>Extension cable kit</b>	15 m	62665302

