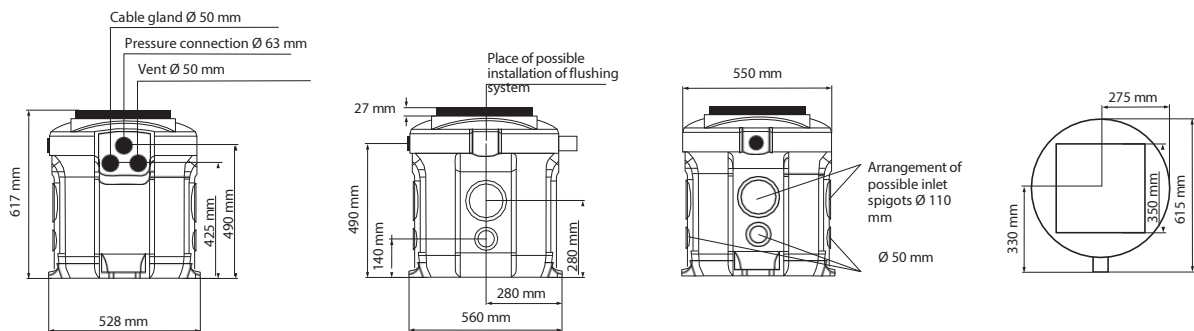
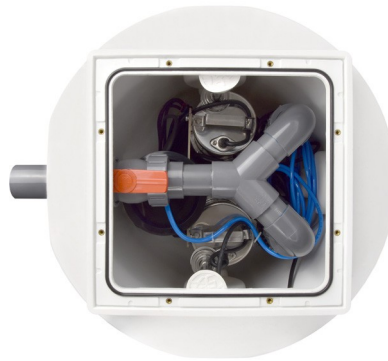


# SANBOX HB

Underfloor  
pumping stations



Vortex



SANBOX HB sewage lifting pumping station is designed to collect and transport sewage not containing fecal matter, which cannot be discharged by gravity. The SANBOX HB pumping station is designed for underfloor installation, but can also be installed as a free-standing pumping station. The stainless steel inspection cover, with a modern design, serves as a drainage grate.

The pumping station is equipped with 2 submersible pumps made of stainless steel, cooled by oil, which allows quiet operation and long trouble-free use.

Controlling the level of wastewater carried out by electronic pressure sensors, allows accurate monitoring of the level of wastewater. SANBOX HB pumping station controller allows network operation, remote control and alarm debugging.

## Technical data:

- Max. medium temperature: 60°C
- Motor cooling: oil-based
- Insulation class: F
- Degree of protection: IP68
- Operating mode: S1 (continuous operation)

The 150 L pumping station tank can be connected to:

- up to 3 pieces of 110 mm gravity stubs
- Up to 3 pieces of 50 mm gravity stubs

## Included are:

- Check valves (built inside the tank)
- Shut-off valve (built inside the tank)
- Smart controller
- Steel cover 35 / 35 cm
- Set of accessories for connection of spigots

SANBOX HB pumping stations are available with two 230 V single-phase pumps, equipped with vortex impellers with free passage up to 25 mm (SANBOX) with a power of 750 or 1100 W

The pumping station can be additionally equipped with a high-pressure flushing system.

## Application

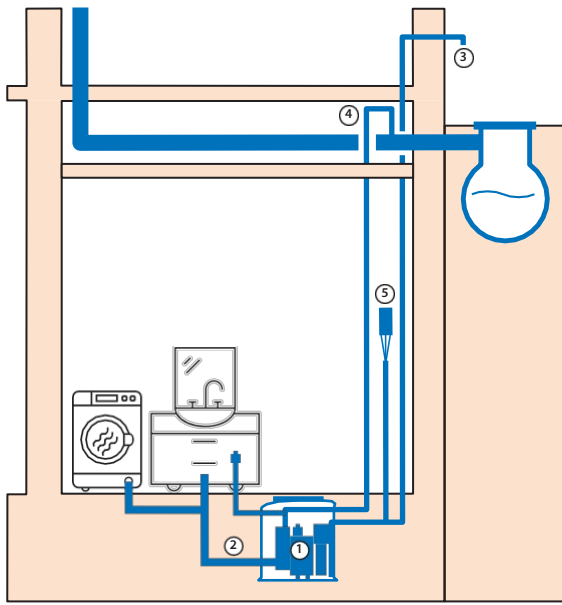
The free passage through the pumps (25 mm) makes it possible to drain sewage and rainwater from draining flat surfaces, from the backyard or garden, and to drain sewage from the kitchen, laundry or spa.

SANBOX HB is not designed to remove wastewater from a toilet. SANBOX HB sewage lifting equipment is mainly designed for independent buildings such as:

- villas, multi-family houses
- small commercial buildings

# SANBOX HB cont.

Example of how to install an underfloor installation



## Installation method:

1. Place the device in the sump and fix it on the bottom plate with an "anti-floating base" on the bottom of the water tank to reduce vibration and prevent the machine from floating
2. Insert the sewer pipe into the water inlet through the sealing insert
3. Bring the ventilation pipe outside the building
4. Bring the discharge pipe above the maximum level of wastewater in the receiver
5. Connect the power cables of the pumps and the air cable of the level sensor to the controller, which should be plugged into a 1 × 230 V power outlet

## SANBOX Intelligent Controller

The SANBOX intelligent controller monitors and automatically pumps out wastewater by controlling the liquid level in the pumping station.

The monitoring and control of liquid level is based on an electronic air pressure sensor connected to the controller. The controller supervises the motor to run and stop automatically.

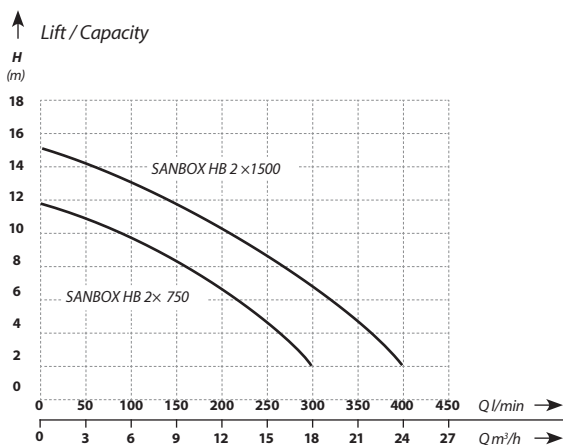
The controller is equipped with a plug, which is plugged **directly** into a 230 V power outlet. The power supply for the pumps should be connected only to the SANBOX controller.

## Features:

- Resistive touch screen
- Wi-fi module
- Water leak detection module
- Automatic backwash system (optional)
- Enhanced fault module (audible alarm, safety circuit with delayed on/off)
- Memory function for storing preset settings



SANBOX Z 750 controller



Model	Lift (m)	Capacity (l/min)	Motor power (kW)	Current consumption (A)	Power supply (V)	Tank capacity (L)	Discharge nozzle Ø (mm)	Vent Ø (mm)	Cable gland Ø (mm)	Free passage (mm)	Weight (kg)
SANBOX HB 2 × 750	12	300	2 × 0,75	3,1	230	150	63	50	50	25	65
SANBOX HB 2 × 1500	15	400	2 × 1,1	5,8	230	150	63	50	50	25	70