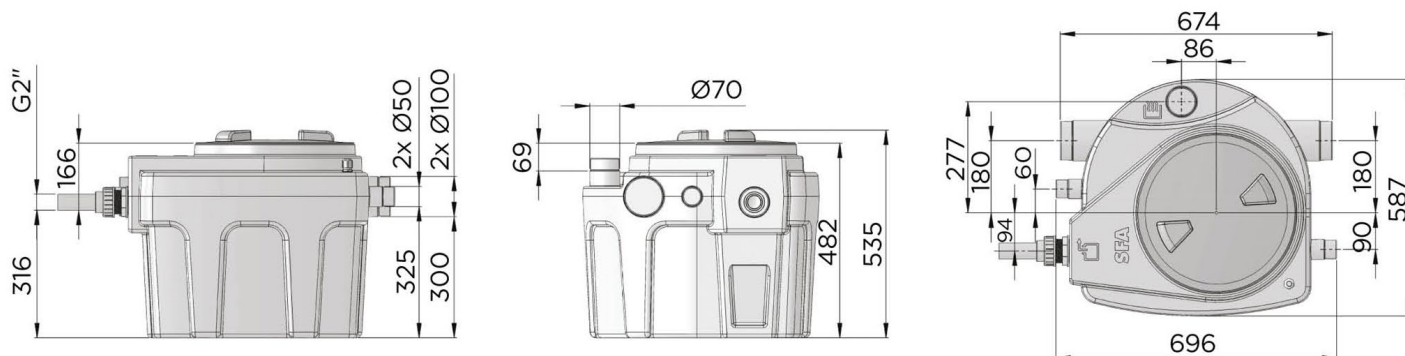


# Sewage Lifting Station - Sanifos® 110P



## DIMENSIONS



## Dimensions & Features

Dimensions & Weights	
Tank Volume	110 litres
Overall Dimensions (mm)	535 H x 696 W x 587 L
Anchor points	2 high level, 2 low level
Dry (empty) weights	Tank = 10 KG, SANIPUMP® = 13 KG
Manhole load bearing capacity	200 KG on an occasional basis Do not install on walkway / vehicle area
Pump on / off level	50% full to 320mm (on) / 120mm (off)

## Technical Data

Inlets, Outlets & Ventilation	
Inlet diameters (toilet waste)	2 x Ø external 100/110mm
Inlet diameters (grey water)	2 x Ø external 40/50mm
Outlet / discharge diameters	1 x DN40, Ø external 50mm
Ventilation diameter	1 x Ø external 75mm Vent valve not supplied as standard Install ventilation above flood level
Invert level (FEA)	182mm

Pump details	Notes
Pump type	SANIPUMP® Grinder pump
Supply voltage	220-240 V / 50 Hz
Motor power	1500 W
Max. current consumption	6A
Max. incoming water temp	70° C intermittently (5 mins max)
Max. flow rate	11 m³/hour
Warranty	2 years
	Submersible sump pump with macerating blades & float switch activation
	Single phase
	Quiet operation with thermal overload protection
	Consult a qualified electrician for advice / installation
	Performance is dependent on head, pumping distance, pipe bends etc.
	Assuming correct installation, pipework and usage within parameters

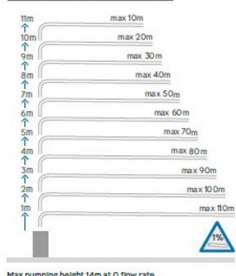
Hose details	Notes
Rigid pipe for discharge	Smooth bore PVC pressure pipe. Ø external 50mm, typically sold in 5m lengths, joined with plain PVC fittings.
Flexible hose for discharge	Smooth bore, flexible PVC hose. Ø external 50mm, typically sold in 30m lengths, joined with quick-release fittings.
Installation conditions (take advice)	For <b>domestic applications</b> , comply with buildings regs by installing pipework at least 750mm below ground. If connecting to an existing mains sewer, seek permission from your water authority. For <b>temporary applications</b> , not lived in full-time, generally neither building regs or 750mm depth required (please check).
Rigid pipe for ventilation	Generally fitted with an air-admittance valve. Ø external 75mm, typically sold in 5m lengths.

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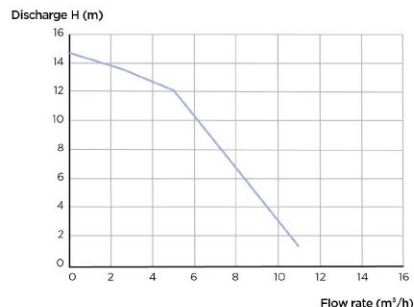
## Indicative performance\*

Vertical/horizontal performance



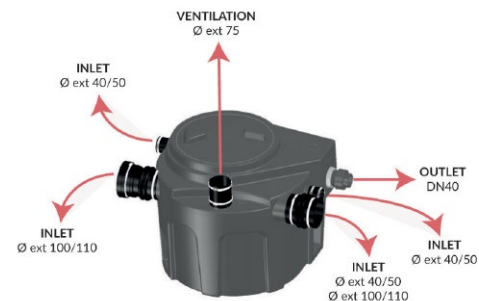
The higher the Sanifos needs to "lift" liquid, so the distance it can pump is reduced. As a very rough guide, for every metre of "lift" required, you will lose 10m of distance pumping.

## Pump curve\*



The higher the Sanifos needs to "lift" liquid, so the pump's flow rate is reduced. If a high flow rate is required, where multiple wastes are created at once, for example, the height Sanifos can "lift" liquid also reduces: it cannot do both high flow and high "lift" concurrently.

## Schematic drawing



2 inlets Ø external 100/110mm (for waste pipe)  
 2 inlets Ø external 40/50mm (for water pipe)  
 Discharge pipe: DN40, Ø external 50mm (from pump)  
 Ventilation: Ø external 75mm (for air-admittance valve)

### IMPORTANT NOTES:

\* The above charts and these notes are for approximate guidance purposes only. Actual performance may vary depending on the application/site.

- [1] On a technical level, when selecting any Sanifos unit, one should consider several factors including; distance to be pumped; height/head; pipe width (always use correct diameter pipework); pressure; pipe bends; the required flow rate and possible friction losses within the pipework.
- [2] In a long-term, domestic setting (e.g. small dwelling) one should allow for each occupant to generate an average of 150 litres of waste water per day (see note 6). In general, any new plumbing requires building regs. Seek water authority permission to connect into an existing mains sewer.
- [3] In a temporary setting (e.g. glamping pod, shepherd's hut, garden room) one should allow for each occupant to generate an average of 75 litres of waste water per day (see note 6). Temporary installations may fall outside the requirements for planning permission / building regs: please check.
- [4] In all cases, we strongly advise seeking advice on local planning requirements / building regs.
- [5] Only install the equipment as indicated in the official installation manual.
- [6] The waste creation figures listed above (notes 2 and 3) are reproduced courtesy of "British Water's "Flows and Loads 4" (2013 revision).

## Equipment provided



**Discharge Kit (supplied as standard) c/w shut-off valve and non-return valve**  
 Prevents pumped liquids flowing back into tank and aids maintenance activities

## Optional equipment



**2" and 4" Isolation Valves**  
 Installed "upstream" of the Sanifos, prevents liquids flowing into tank during maintenance activities

We reserve the right to amend technical specifications without prior notification.

 **Contact us for more information**