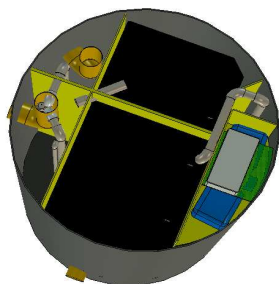


Biokube Venus 1850 factsheet no. 1. Okt 2008, at (C5 NO. 32000)



5 cord cable

Description of the BioKube Venus 1850.

The BioKube Venus O/OP/SO and SOP are designed for normal households 5 SO(P) or 10 O (P) persons. This means that the BioKube can handle up to 1500 litres. In (24 hours). Within these figures we have taken into account the extra amount used when you have guests etc.

Energy Level:

The Energy level for a BioKube Venus is approximately 500 kWh/a year. In special cases when the sewage water is especially resistant, the BioKube is adjusted, which automatically will increase your energy level.

All in plastic.

The element is for wastewater cleaning and the materials is Polypropylene and pipes in PVC. The materials is corrosion proof and strong enough to resist the hard physical conditions in wastewater.

How does it work.

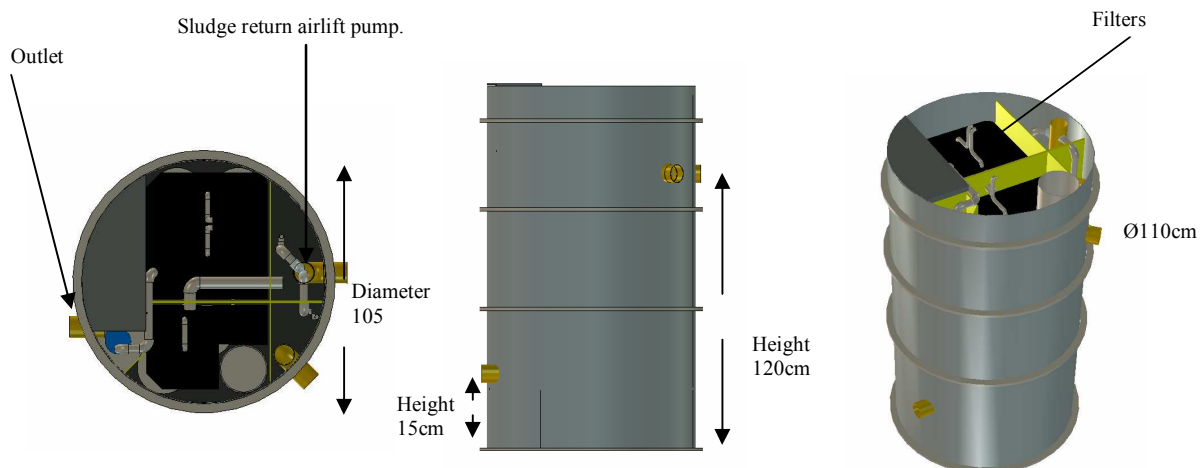
The waste water is pumped into the top of the filter blocks. Here the pollution is treated. The biological treatment consists of a submerged biological filter block with a very large surface (type Bioblock 100 m²/m³). Aeration comes from diffusers placed under the filter blocks. The filter blocks are separated from the clarification chamber by a wall. Outside the filter element the water stands still and the biological sludge will settle.

Pumped back to the pre-settlement tank by airlift pumps. The air supply for the diffusers placed below the biological filters comes from the air blower placed near by the unit.

The settled sludge from the clarification chambers is returned to the pre-settlement tank by 2 air lift pumps. The air lift pumps are automatically activated in certain intervals.

The BioKube Electronic box is a type A-2916 automatic micro processor control running BioKube automatic program version 101.

Cut open and side view



Capacity litre up to (1)	Connector pipe	Diameter (cm)	Height (cm)	Weight (kg)	kWh Pr. year	Inlet depth	Power	Connector
1500 liter	Ø 110	105	185	160	App.500	130	230V ac	5 Core Cable 1,5 m3

Buffer tank	Size (minimum)	Pumping well
5 PE	2300 litres	Inside
10 PE O	4500 litres	Inside

Component	Material.
Outer tank	Polypropylen UV-stabilized
Cover	Polypropylen UV-stabilized
Pipes	PVC
Diffusores	EPDM and polypropylen

(1) The capacity is based on household wastewater load BODmax: 400 mg/liter.