

Biokube Pluto factsheet no. 1. Nov 2008, at (C5 No. 31000)



Description of the Biokube Pluto.

The Biokube Pluto O/OP are designed for normal households with 5 persons. Cleaning down to the European cleaning demands. This means that the Biokube can handle up to 750 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 Pluto is below 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.

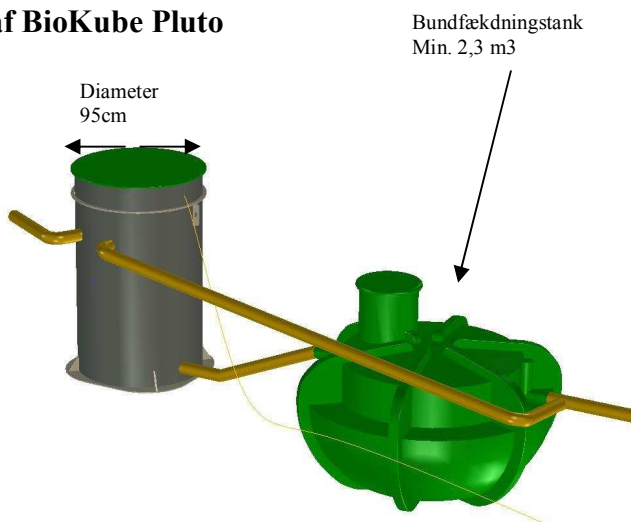
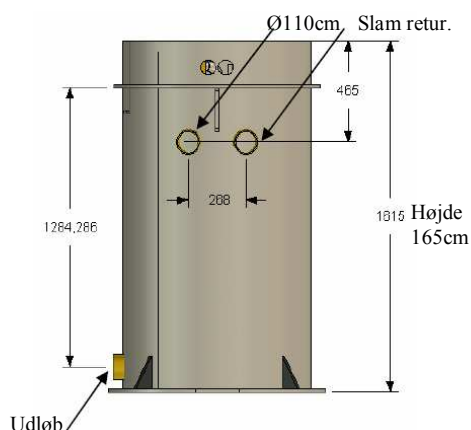
How does it work.

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.

Top og side af Biokube Pluto



Kapacitet(1)	Rør	Diameter (cm)	Højde (cm)	Vægt (kg)	kWh Pr. år	Indløbs dybde	Bioblock	strømstyring	Connector
750 liter	Ø 110	95	165	120	Under 500	110cm	4,0	230V ac	5 Leder 1,5 m3

Septic tank	Størrelse (minimum)	Pumpe Brønd
5 PE	2300 liter	Indvendig



Komponenter	Materialer
Ydre tank	Polypropylen UV-stabiliseret
Låg	Polypropylen UV-stabiliseret
Rør	PVC
Diffussorer	EPDM og polypropylen

(1) Kapaciteten er baseret på at en husholdnings spildevand ikke overskrider en belastning på BODmax: 400 mg/liter.