

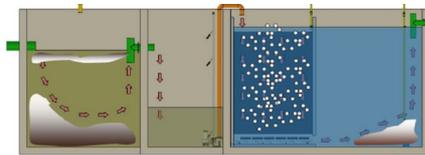
## Saturn

### Product Description

Modular treatment units that fit into multiple wastewater solutions, e.g. sedimentation -or mechanical pre-treatment and bio-sludge removal.

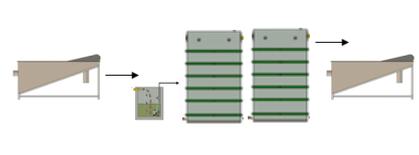
The Saturn units are installed above ground to minimize civil work and are typical used for systems between 100-2000m<sup>3</sup>.

### BioKube Classic Solution



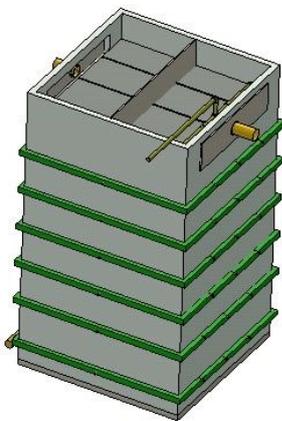
Pre-treatment	Buffer tank	Bio zone	Bio-sludge removal
✗	✗	✓	✗

### BioKube BioMechanical Solution

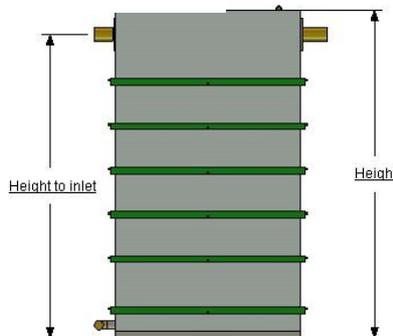


Pre-treatment	Buffer tank	Bio zone	Bio-sludge removal
✗	✗	✓	✗

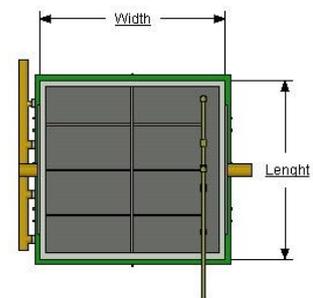
### Dimensions and Pipe Placement



3D view of a Saturn blog



Side view



Top view

### Saturn Model Specifics

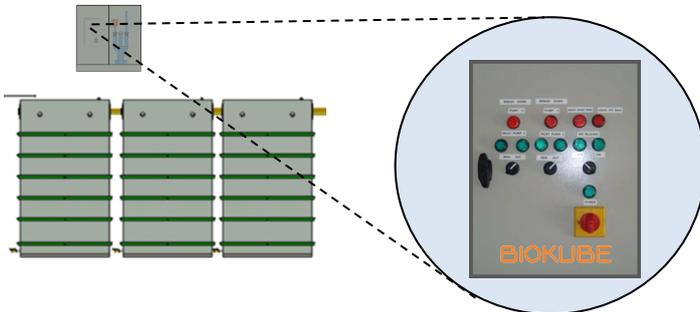
	150	200
Height (mm)	3,500	3,950
Width (mm)	2,280	2,280
Length (mm)	2,220	2,220
Weight excl. reinforcements* (kg)	1,850	2,050
Weight reinforcement* (kg)	400	400
Weight with Water (kg)	13,850	16,450
Power consump.(kwh/day/unit)	Project specific	Project specific
Height to inlet (mm)	3,230	3,230
Inlet/Outlet pipe diameter (mm)	160/160	160/160
Tank material	PP	PP
Air piping material	HDPE	HDPE

\* Saturn units are transported and erected without the reinforcements. Reinforcements are installed before tanks are filled with water.



Example of Saturn installation, Ghana

## Saturn



Saturn System

BioKube Standard Control Box

### BioKube Control Unit

BioKube delivers the technology for the treatment solution, which is embedded in the BioKube control box/PLC.

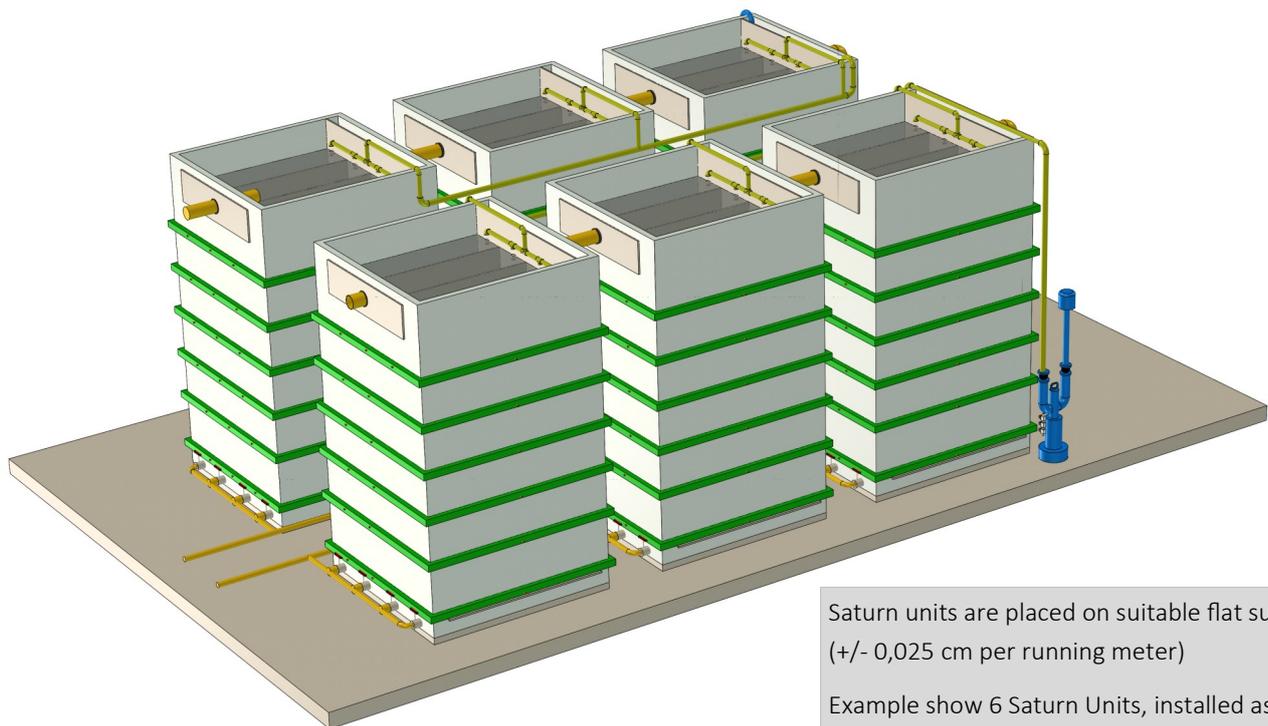
The BioKube control box controls blowers, pumps, return valves and other equipment in the treatment solution.

The control box is programmable through Android using Bluetooth and can incl. remote surveillance and control using SMS/text messaging. Further, full SCADA functionality can be included.

The plant is normally powered with 400 Volt, 3 phase power supply. Systems for other power requirements can be supplied upon request.

For further details, ask BioKube for full documentation.

### Full System Installation Principles - Example



Saturn units are placed on suitable flat surface (+/- 0,025 cm per running meter)

Example show 6 Saturn Units, installed as 3 in series and 2 in parallel

*Full installation guide and product description can be found in the Saturn manual. Contact BioKube for a Saturn manual.*

**Typical BioKube scope of supply:** Each BioKube Saturn solution is individual designed and quoted. Hence the exact BioKube scope of supply will be specified in the quotation. However, typically BioKube will supply a full biological treatment plant with all necessary equipment for the treatment process including piping for air system and sludge return, blower, pumps, control box, etc. Furthermore, BioKube can upon request deliver numerous option for pre-treatment and bio-sludge removal.