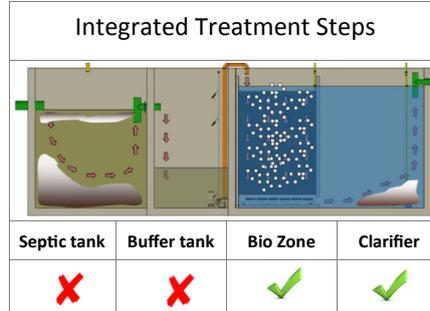


Jupiter

Product Description

BioKube's Jupiter systems are STP plants commonly used for treating waste water from hotels, resorts & smaller villages with daily inlet values of up to 250 m³. The systems are typically installed underground in front of a septic tank and a buffer tank.

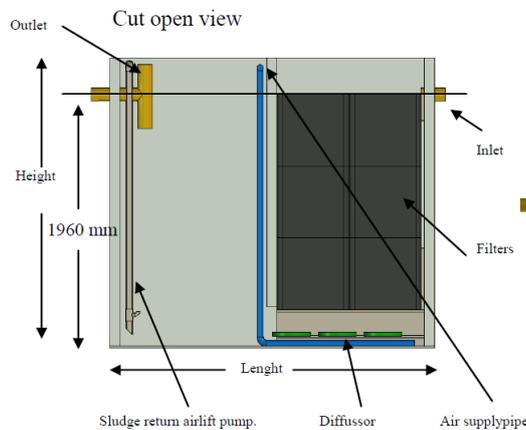


A Jupiter system installed at a Luxury Hotel

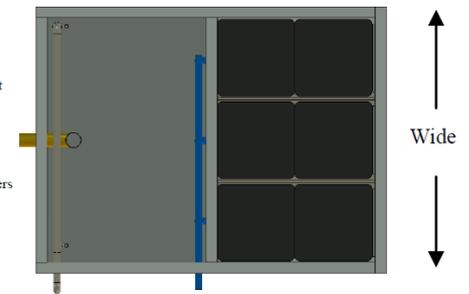
Dimensions and Pipe Placement



3D view of a Jupiter system



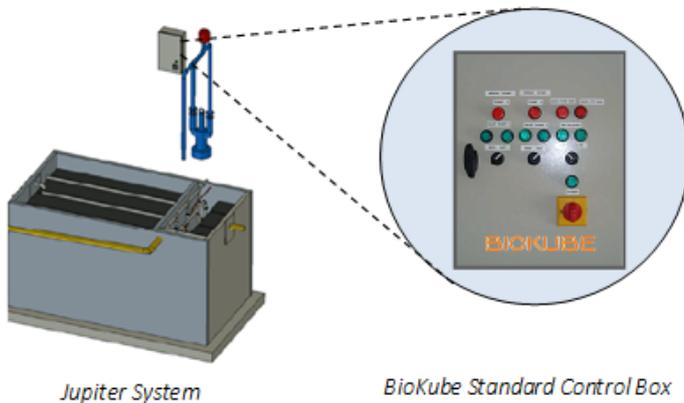
Profile view of a Jupiter system



Top view of a Jupiter system

	Jupiter 25	Jupiter 50	Jupiter 75	Jupiter 100
Height (mm)	2,215	2,215	2,215	2,215
Wide (mm)	2,160	2,160	2,160	2,160
Length (mm)	2,800	3,300	3,950	5,450
Weight (kg)	600	900	1,350	1,550
Weight with Water (kg)	12,454	14,871	18,073	24,623
Power consumption (kwh/day)	29.7	40.3	60.4	63.7
Diameter Air Pipes (mm)	50	50	50	50
Inlet/Outlet Pipe Diameter (mm)	110/110	110/110	160/160	160/160
Tank Material, outer tank + Cover	Polypropylen	Polypropylen	Polypropylen	Polypropylen
Piping Material	PVC	PVC	PVC	PVC
Outlet & Sludge Return Pipe (mm)	110	110	110	110
Waterload (m ³ /day/unit)	10-40	18-60	25-80	35-110
No. of electrical Phases Required	3	3	3	3

Jupiter



Jupiter System

BioKube Standard Control Box

BioKube Control Unit

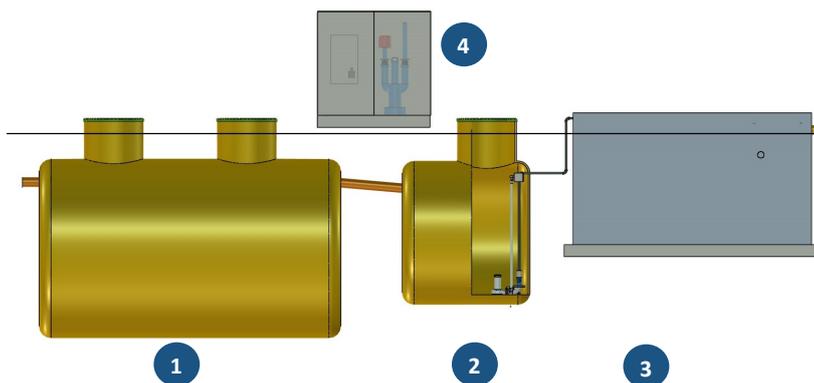
All electrical component in the Jupiter System Unit; e.g. blowers, pumps, UV-units, are integrated and connected to the BioKube Standard Control Box, from where the power is distributed and controlled.

The Control Box is placed in an external weather protected shed (see drawing).

The plant is normally powered with 340 Volt, 3 phase power supply.

Systems for 110V power supply regions can be supplied upon request.

Full Installation Principles



Installation Components

The Jupiter system is typically installed in ground after a septic tank & buffertank. The septic tank & buffertank of plastic material should be supplied locally from one of many standard suppliers. Alternatively it can be casted on site in concrete.

- 1 Septic Tank
- 2 Buffer Tank
- 3 Jupiter Treatment Unit
- 4 Shed with Control Box and Blower

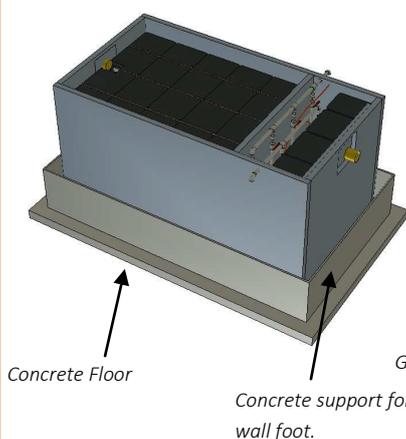
A complete system can consist of multiple Jupiter Units modular installed in either series or parallel.

For more information see the installation manual.

Construction Principles - back filling

Option A

Use of Concrete

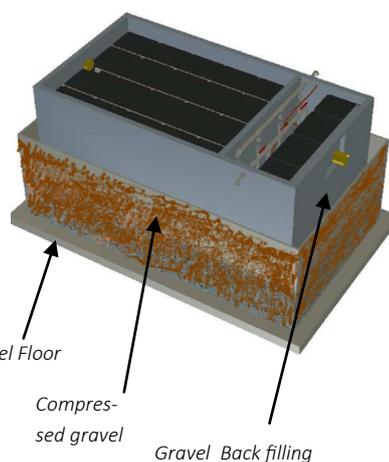


Concrete Floor

Concrete support for wall foot.

Option B

Use of gravel



Gravel Floor

Compressed gravel

Gravel Back filling

Backfilling

The Jupiter System must be installed in ground, allowing for a concrete and a non-concrete based installation.

Option A: Requires a compressed gravel floor on which the Jupiter is placed. Further compressed gravel is used as back filling supporting the walls.

Option B: Requires a concrete casted floor on which the Jupiter is placed, followed by concrete as back filling supporting the walls to certain height depending on the required strength. Compressed gravel is used as back filling for rest of the installation.

(For more information see the installation manual)