

- ✓ Low BOD
- ✓ Low Ammonium (NH₄)
- ✓ Low Phosphorous
- ✓ Shallow Installation
- ✓ EN 12566-3
- ✓ Effluent Guarantee

BioKube is the only system that is able to guarantee effluent quality

BioKube is an elite sewage treatment plant and the only system that can guarantee the quality of its effluent.

BioKube should be the first choice for those who need or desire a sewage treatment plant that is able to purify wastewater to the highest standards.

Following testing on 2,300 BioKube systems an average effluent quality was recorded of:

COD 43 mgL⁻¹

NH₄ 5 mgL⁻¹

Phosphorous 1 mgL⁻¹

This is four times cleaner than the UK Royal Commission Standard



Effluent sample from a BioKube sewage treatment plant

WTE Ltd
The Byre
Foggathorpe
York
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www.biokube.co.uk



BioKube Standard Effluent:

BOD < 20 mg/L

S. Solids < 20 mg/L

NH₄ < 20 mg/L

BioKube Elite Effluent:

BOD < 10 mg/L

S. Solids < 15 mg/L

NH₄ < 5 mg/L

The optional Phosphorous reduction kit can achieve Phosphorous levels of P < 1.5 mg/L

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Certified to EN 12566-3

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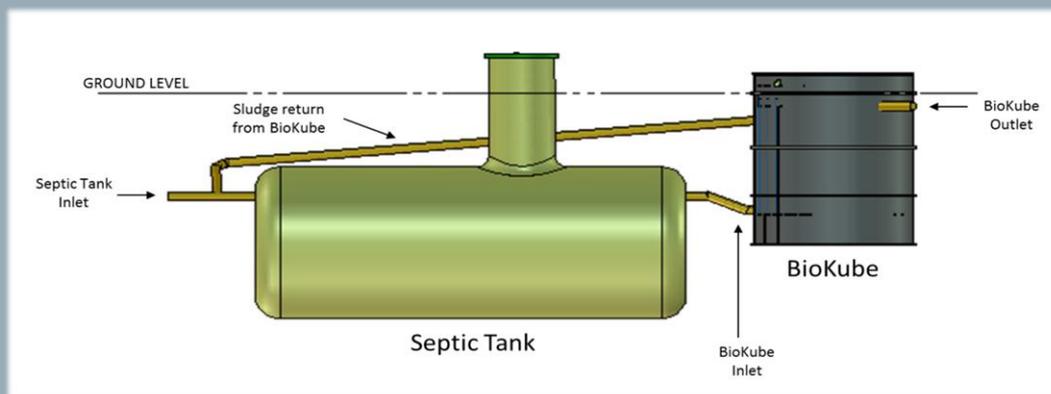


BioKube is an Advanced Wastewater Treatment System (ATWS) that is one of the most efficient sewage treatment plants available anywhere in the world.

Like other systems BioKube is a two tank sewage treatment plant with each tank fulfilling a different role.

Septic Tank - The first tank is a septic tank that separates solids and liquids from the wastewater. The solids are retained and digested by anaerobic bacteria and the liquid is allowed to flow into the BioKube ATWS.

BioKube ATWS - This is where the majority of the treatment occurs. The BioKube uses simple air compressors to blow air into the liquid effluent and create an environment suitable for different strains of aerobic bacteria. These bacteria then digest pollutants in the effluent in a controlled process that ensures the final effluent is safe for discharge into the environment. Any sludge that develops in the BioKube is pumped back to the septic tank thus ensuring the BioKube has no requirement to be emptied by a tanker.



The Environment Agency and SEPA may request effluent with low NH₄ and phosphorous levels .

The BioKube is able to treat wastewater to a level that exceeds standard sewage treatment plants .

Model	PE		Height (mm)	Diameter (mm)	Outlet Invert (mm)
	Standard Effluent	Elite Effluent			
Venus 1850	7	5	1,830	1,112	370
Venus 2200	15	10	2,200	1,260	365
Mars 3000 2K	25	20	2,232	1,990	300
Mars 3000 3K	35	30	2,232	1,990	300
Mars 3000 4K	45	40	2,232	1,990	300