



Biopipe

A revolutionary wastewater treatment system inspired by nature!

What is biopipe?



Biopipe is the world's first biological wastewater treatment system where the process takes place entirely inside the pipe! Biopipe is protected by patent rights internationally and since its introduction to the markets, it has been very well received and widely acknowledged.

It is the result of years of research that has now developed into one of the most sustainable, eco-friendly and cost effective wastewater treatment solutions in the world.

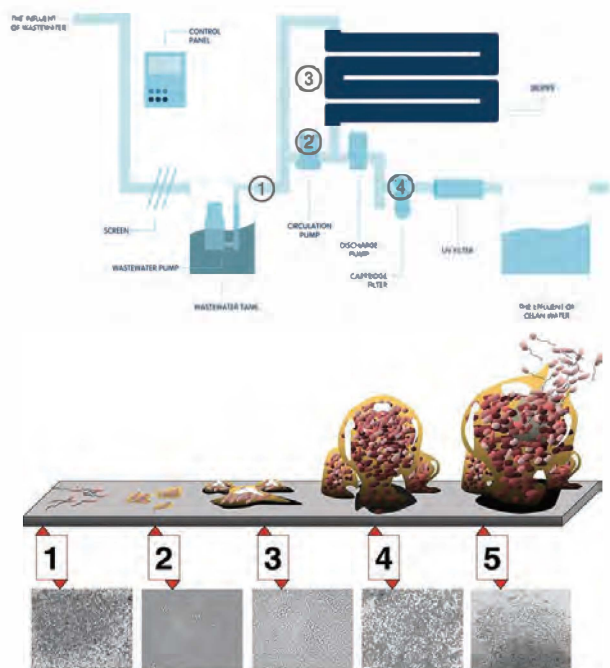
Biopipe can be used in detached houses, apartments, hotels and villas and wherever wastewater is produced/ generated regardless of size and capacity!

Biopipe is owned by Biopipe Global Corp. 100 Challenger Road 8 th floor Ridgefield Park, New Jersey, NJ 07660, USA +1-646-201-5242

biopipe Inspired by nature!

Biopipe has a remarkably simple design and effectual treatment. Here is how it works;

1. A sewage water tank* is used to store the inorganic waste and wastewater.
2. As soon as wastewater reaches the operational level in the tank, the water pump works to separate the organic materials and to propel water into Biopipe.
3. When Biopipe becomes full, circulation starts and the treatment of wastewater begins. Biopipe bacteria engages with pollutants and eliminates them from wastewater during circulation while **air is automatically vacuumed by the pressure difference in order to allow aerobic bacteria to further treat the wastewater.
4. Wastewater then passes through a cartridge filter or equivalent and a UV filter to complete the treatment. The treated water can then be used directly or stored in a clean water tank.



Biopipe bacteria growth stages

*In other working examples of Biopipe treatment, a sewage water tank may not be used.
 **In other forms of Biopipe treatment, air can be provided by a blower.

Why choose biopipe?

Eco-Friendly



Unlike other traditional wastewater systems Biopipe produces **NO SLUDGE, NO ODOUR, NO SOUND, and NO WASTE.**



NO ADDED CHEMICALS are required to operate the Biopipe biological wastewater treatment system.

Scalable With A Flexible Modular Design



Biopipe can treat the wastewater generated by individual houses of two people to cities of millions - just as efficiently.



Unlike other systems which requires a starting operational capacity of 30%, Biopipe can operate efficiently with only 10% capacity.



Biopipe is simple construction formed of modules similar to Lego! The modules are decided based on the requirements of each project and assembled contiguously or consecutively in a very short time span.



The system is compact, easy to install, transfer and operate.

Cost Efficient



Biopipe brings energy consumption to a minimum as it can store wastewater in a horizontal position which better distributes water pressure and require less energy as compared to other systems which can only use vertical pipes.



Unlike other wastewater treatment systems Biopipe **ONLY** uses PVC pipes and is **NOT** made up of different hardware and materials which results in higher costs.



Biopipe doesn't need a lot of space and can easily fit within an underground installation which saves on the cost of land.

Fully Automated



Biopipe is fully automated and can be controlled from remote locations.

Sustainable



Biopipe guarantees a wastewater treatment system good for life and warranted by an annual maintenance agreement.

biopipe meets international standards

Parameters	EU Std.	Biopipe Std.	Efficiency (Up to)
BOD	<10	8 mg/lit	97%
COD	<30	25 mg/lit	95%
TSS	<10	5 mg/lit	99%

biopipe applications

Organic farming



Irrigation



Underground aquifer injection or safe discharge into lakes, rivers or sea



For more information and expert advice, check your local contacts

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