



WET Sewage Treatment Plant Tank

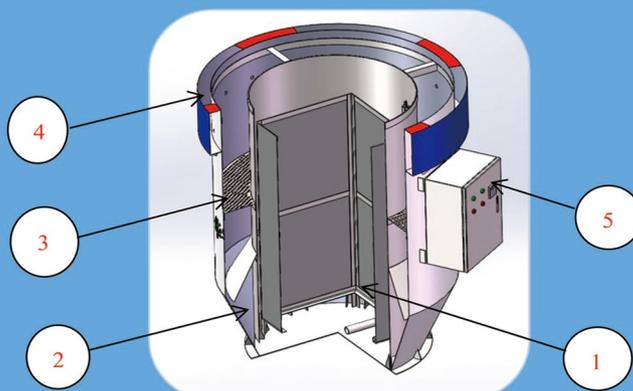


WET Sewage Treatment Plant Tank (WET Sewage Tank) is developed for the point pollution source with domestic sewage generation volume of 1~20m³/d. WET is a high-tech product that combines microbial degradation, special filler adsorption, plant ecological transformation and other physical, chemical and biological effects to degrade pollutants in water.

It has the characteristics of convenient transportation, quick installation, high efficiency and energy saving, and no need for manning.

PRODUCT STRUCTURE

The WET Sewage Tank design consists of a combination of five basic functional units, as shown in the following figure.



Internal structure of WET

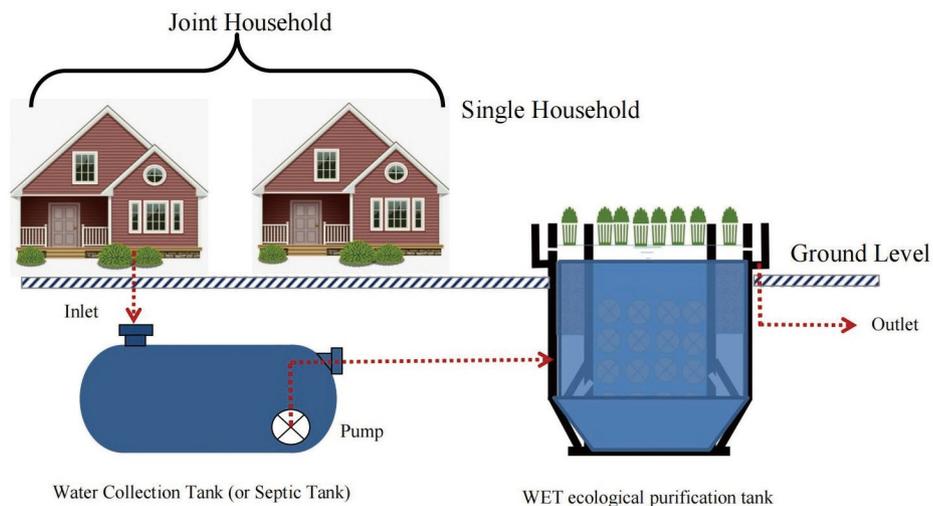
- 1.Oxygenated "Water Magic" reaction area
- 2.Three-phase separation settling area
- 3.Ecological filler area
- 4.Clearwater Weir area
- 5.Equipment control box

EQUIPMENT FEATURES

Excellent water quality	Strong impact load resistance, good treatment effect and stable water output.
Highly integrated	Compound tank design, good hydraulic flow state, no clogging.
Easy to operate	Less power equipment, simple control and operation, maintenance-free.
Cost efficient	Low operating energy consumption, no need for pipe network construction, in-situ treatment and in-situ discharge.

PROCESS FLOW

WET Sewage Tank is based on the traditional A/O biochemical contact oxidation process, combined with the microporous aeration technology, three-phase separation and clarification technology, improved wetland ecological purification technology and special gas lifting and pushing hydraulic circulation tank design. The above technologies are skillfully combined to make microorganisms degrade organic pollutants in the part-oxygen reaction zone, and meanwhile adsorbing ammonia nitrogen and total phosphorus pollutants in the wetland ecological zone, absorbing and decomposing them through plant roots, forming a double degradation function of pollutants, thus achieving efficient water purification.





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PRODUCT SPECIFICATIONS PARAMETER

No.	Model	Scale(m ³ /d)	Population served(per)	Dimension(m)	Power installed(W)
1	WET-3	3	30	Φ1.5X1.6	80
2	WET-5	5	50	Φ1.8X1.6	90
3	WET-10	10	100	Φ2.4X2.0	153
4	WET-20	20	200	Φ3.0X2.3	176

WATER QUALITY STANDARDS FOR INLET AND OUTLET

No.	Model	Inlet water quality	Discharge water quality
1	COD _{cr} (mg/L)	<350	<60
2	BOD ₅ (mg/L)	<150	<20
3	NH ₃ -N(mg/L)	<35	<8
4	TN(mg/L)	<45	<20
5	TP(mg/L)	<4	<1
6	SS(mg/L)	<200	<20

Note : The outlet water quality meets the relevant local discharge standards.

TECHNICAL AND ECONOMIC PERFORMANCE

No.	Indicators	Quantity
1	Land area per tons of water	0.25~0.33(m ² /m ³)
2	Direct operating costs per tons of water	0.16~0.38(RMB/t)

APPLICATION SCOPE



INSTALLATION METHOD

