

Aquonic Wastewater Treatment

A compact modular treatment tank that turns black and grey water into pathogen-free, reusable water for toilet flushing and irrigation. Ideal for retro-fitting with a septic tank.



Product Specifications:

Capacity

Treats up to 1500 liters p/tank p/day

Treatment process

Biological and chlorine disinfection

Energy requirement

Approx. 6kW-h per tank p/day

- 2 x submerged pumps

+ system electronics

Maintenance

- Filter media back-washed every

4-6 months

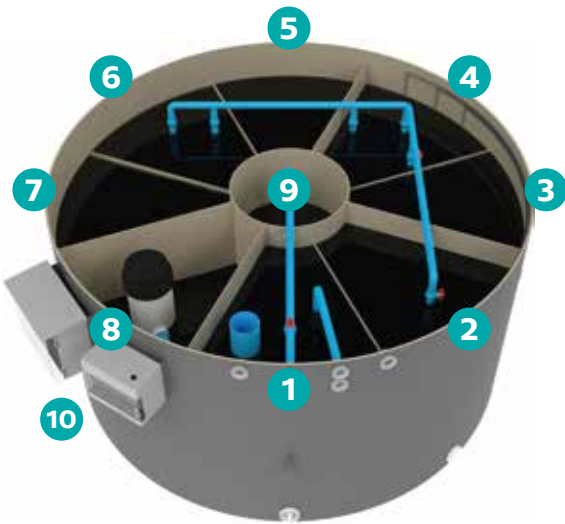
- Refill chlorine tablets

- Replace or repair submerged pumps

Tank material design

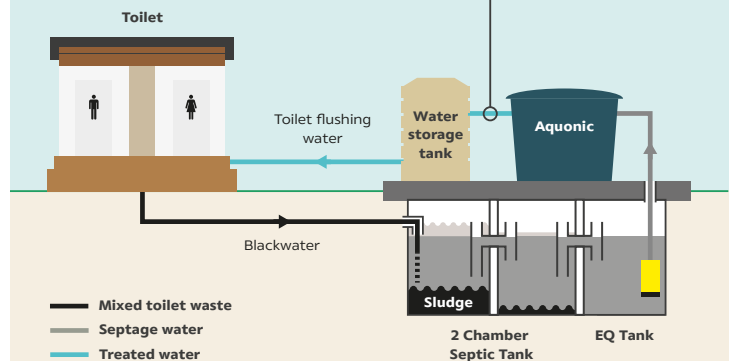
Fiberglass - 10-15 years lifetime

Tank Internal Layout and Treatment Cycle:



- | | |
|------------------------------|---------------------------------|
| 1) Up-flow filter chamber | 6) Recirculation chamber |
| 2) 1st Sedimentation chamber | 7) 2nd Sedimentation chamber |
| 3) Anaerobic chamber | 8) Chlorine dosing disinfection |
| 4) Aerobic chamber | 9) Treated water chamber |
| 5) Anoxic chamber | 10) Integrated control box |

Typical System Setup Schematic:



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Technology developed to comply with ISO30500 non-sewered treatment system standards.

A global innovation, successfully installed and tested in:

Thailand • Indonesia • Vietnam • Bangladesh • India • South Africa • Botswana



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