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TABS

Advanced Blower System Wastewater Treatment System

Taylex™ ABS Advanced Secondary Treatment

2000 litres per day or up to 10 Person

The TABS Treatment System is suited to approximately 90% of all domestic installations throughout Australia.

The tough, one piece construction means no internal leaks and easy installation.

The concrete vessel comes with a 15 year warranty and all electrical items are covered by a 12 month manufacturer's warranty, with an extended warranty period also available.



Completed system. The home owners have landscaped and planted around the treatment vessel. Visual impact of the vessel is negligible.

Chlorine Disinfection or UV Disinfection

Treatment Process

Step 1 All waste from the home enters the primary pre-treatment chamber of the system with liquid then flowing into the secondary chamber. The time that waste spends in both these anaerobic chambers allows bacterial action to condition it before it flows into the aeration chamber.

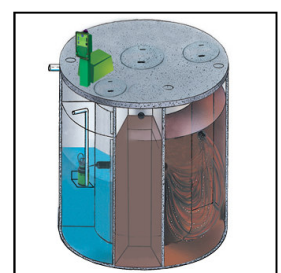
Step 2 The new generation ABS uses an air blower to introduce oxygen into the aeration chamber. The aerobic bacteria multiply rapidly in this oxygen enriched environment and are thoroughly mixed with the pre-treated liquid to ensure complete digestion of organic material. The blower is set to turn on and off as needed to accommodate the flow of each individual treatment system.

Step 3 The liquid then flows into the clarification chamber for settlement where the remaining organics are further digested by bacteria living on specially designed bio-media sheets.

Step 4 Pre-treated, aerated and settled, the liquid then passes through an outlet filter prior to chlorination. The filtered liquid passes through a chlorinator or UV light which ensures the disinfection of the reclaimed effluent. Then the reclaimed effluent is returned to the environment via spray or underground irrigation by a silent pump.



Height: 2300mm
Invert: 1530 or 1830mm (2 invert levels available)
Diameter: 2450mm
Weight: 6.25 ton



3D internal image of working system