

Our Most Popular System

Taylex™ **ABS** Advanced Blower System

An Advanced Secondary Home Sewage Treatment Plant

The Taylex ABS is suited to approximately 90% of all domestic installations throughout Australia.

Purchasing this system gives you an automatic upgrade to **Advanced Secondary** treated effluent. This higher grade effluent system not only produces better quality water, but also offers power saving, silent operation and now chemical free disinfection (if required) at a similar price to most other secondary (lower effluent grade) systems on the market.

The 4 Star Process ★★★★★

Step 1: All waste from the home enters the primary pre-treatment chamber of the Taylex 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 a Taylex outlet filter prior to chlorination. The filtered liquid passes through a chlorinator or U.V. light which ensures the disinfection of the reclaimed effluent. Then your reclaimed effluent is returned to the environment via spray or underground irrigation by a silent pump.

Even Our
Standard
System
is Advanced!



Clear, odourless,
recycled water for irrigation

Tank Construction – All Concrete	
Height	2300mm
Inlet Invert (from Base)	1830mm or 1530mm
Tank Diameter	2450mm
Maximum Dry Weight	6.25 tonnes
Maximum Hydraulic Loading	2,000Lt/day - 10 Person
Operating Capacity	5,880Lt
Total Tank Capacity	9,320Lt

Australian Standards & Test Results

Effluent
Grade

Advanced Secondary

	Australian Standard	TAYLEX ABS
BOD5 Biological Oxygen Demand Over 5 Days	< 10 mg/L	< 1.85mg/L
TSS Total Suspended Solids	< 10 mg/L	< 5.19mg/L
Thermotolerant Coliforms	< 10/100mL	< 0.783/100mL
Turbidity Clarity	n/a	5.22NTU

15 Year Warranty

Every Taylex Advanced Blower System is covered by a full manufacturers warranty. There is a 15 year warranty on the pre-cast concrete tank and a 2 year* warranty on all electrical and mechanical components including the irrigation pump. (*12 months standard warranty and a further 12 months extended warranty when you purchase your second year service contract with a Taylex approved service provider). Warranty applies from the date of commissioning.



Wastewater & Rainwater Specialists

Taylex™
Tanks

Manufacturing Tanks Since 1969

www.taylex.com.au

1300 660 225 AUSTRALIA WIDE

Key Points

- Low Power Usage - No Sand Filter Required
- Choice of Disinfection - Choice of 2 Invert Levels
- Higher Grade Effluent at No Extra Charge



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Features

Benefits

Large Tank	→	Longer retention time = Better treatment
One Pour Mould	→	No leaking internal walls = No cross contamination
Multiple Baffles/Chambers	→	Longer retention time - reduction of fats, oils & grease (FOG)
Multiple Inverts	→	Saves \$\$\$\$ and Reduces need for riser rings
TFS Filter	→	Retains fats, oils & greases (FOGs), S/S carryover including sanitary items, foreign objects, suspended solids
10/10/10 Water Quality	→	Higher performance than traditional plants
Lower Total Suspended Solids	→	Better for effective re-use applications Town water turbidity = 4NTU
Above Standard Turbidity 5.22NTU (clarity)	→	Clearer water for irrigation purposes
Timer Controlled Aeration	→	Can be easily adjusted for varying loads/family sizes
Low Power Usage	→	Due to Timer Controlled Aeration
No Sand Filter (pool filter)	→	Reduces cost of install and enhances aesthetics of tank
High Quality EPDM (rubber) Difusers for Air	→	Controlled air bubble size to aid aeration
Nitto Piston Blower (Air Pump)	→	Quiet, long lasting , no diaphragms that need to be replaced every 18 months - top blower in the field.
High Walls on All Compartments in Tank	→	Minimises cross-contamination issues
Advanced Secondary Effluent	→	Reduces Set-Back Distances
Silent Operation	→	Blower Noise is inaudible
Blower is Outside Tank	→	Negates damage from internal flooding
All Electrical Components are "Plug in"	→	Reduces Costs when renewing components
Sludge Return	→	More effective control of sludge
Choice of Disinfection Methods	→	Traditional Chlorine Disinfection. or now available UV Light (NO Chemical Residue)

Taylex Manufacture The Most Reliable Vessel for a Home Sewage Treatment Plant in Australia