



RELIABLE
WASTEWATER
MANAGEMENT



LIFTING THE BAR

There are some areas of building that you cannot take short cuts in. If you get your wastewater wrong, regret is not one of the words you will be using when correcting the situation.

Partner with the right drainage contractor who uses the right products and you are on the right path.

Having a team like this one backing you will push your project over the line.

The Integra Wastewater team
left to right: Ryan Tipene
(production), Alistair Bell
(Product Manager), Dianne
Blackstock (Sales & Logistics), Rua
Woller (Operations Manager).

CONFIDENCE AND RELIABILITY



Jamie Lunam, General Manager
of Devan Plastics Limited and
Integra Wastewater.

We have been in business for over 30 years and if there is anything that time has taught us it is that our customers see no compromise when it comes to confidence and reliability.

Underneath everything we strive for is the desire to produce products that exceed the expectations of our customers. One way we do this is that we design products that our customers will never need to repair or replace in their lifetime. This is a promise most of our industry peers will struggle to make.

I will be very brazen and tell you that we have made several significant errors in our history with wastewater management products however the reason I am keen to share this is very clear - learning. As a result we now know more about the engineering of underground vessels than most and it has resulted in what we understand to be

the strongest underground vessels in the country.

We know more about the science of wastewater treatment than many due to both our experience and our people. We have experts on staff that know the process of converting raw wastewater into clear water intimately. There is no compromise for education and experience in this field.

Lastly, I acknowledge that I can say whatever I want about our product and you may or may not take my word for it. Knowing facts say more than words we have our Integra product independently tested through the OSET trials and our vessels are certified to meet the necessary standards as well.

Integra systems have not failed a single customer to date so trust me when I say you can have complete confidence in the reliability of our products.

A stylized, handwritten signature in white ink, appearing to read 'JLunam'.

Jamie Lunam
General Manager

THE BIG THREE

1 Robust Vessels
After watching many septic vessels fail over the years we set out to create the strongest underground vessel on the market. We succeeded and have the certification to give you confidence that your wastewater stays right where it is supposed to.

2 Low Operating Costs
There are a large number of systems on the market some of which are proven to perform well while others fail to meet the national standards. The Integra system exceeds the national standards and does so while only costing less than 50 cents per day in power and requiring only two services on an annual basis.

3 Flexibility
Not all building sites are made the same and the flexibility provided by the modular nature of Integra wastewater treatment systems means it will fit around your needs and the light weight nature of the product means your installer only needs light excavation equipment keeping costs down.



Alistair Bell has years of high level experience in wastewater and provides training and educational opportunities to others in the industry.

THE CYCLE OF WATER

Wastewater discharged from the home (or commercial premises) includes the water from sinks, showers, toilets, washing machines, dishwashers and the like. This water must be handled correctly before being released into the environment

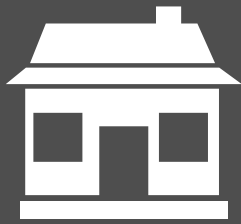
The Integra system receives all wastewater from your home or other building and treats it to a very high level releasing a clear odourless liquid when the process is complete.

The water that is discharged into the environment is evaporated off where it can consolidate in the sky and start its life all over again as rain water

Through drip line (run either sub surface or on the surface of the ground under mulch) the treated wastewater is released into the environment where it can irrigate lawns or planted areas, keeping them lush all year round.



SYSTEM SIZE OPTIONS



Domestic Applications

S15

Up to 1500 litres per day

Can provide treatment for homes with up to five bedrooms

S20

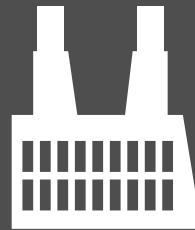
Up to 2000 litres per day

Can provide treatment for homes with up to six bedrooms and an office

S25

Up to 2500 litres per day

Can provide treatment for homes with up to eight bedrooms and an office



Commercial Applications

C20

Up to 2000 litres per day

Can provide treatment for up to a 66 person restaurant or day stay application

C30

Up to 3000 litres per day

Can provide treatment for up to a 100 person restaurant or day stay application

C40

Up to 4000 litres per day

Can provide treatment for up to a 133 person restaurant or day stay application

Please note that the above is a guide only and every application has some unique elements that need to be assessed before a system specification can be confirmed. The above is intended as a general guide.



Public toilets at Waihou River reserve installed in an application in close proximity to a water way.



Public toilets at Huharua Harbour Park on the Plummers Point Peninsula.

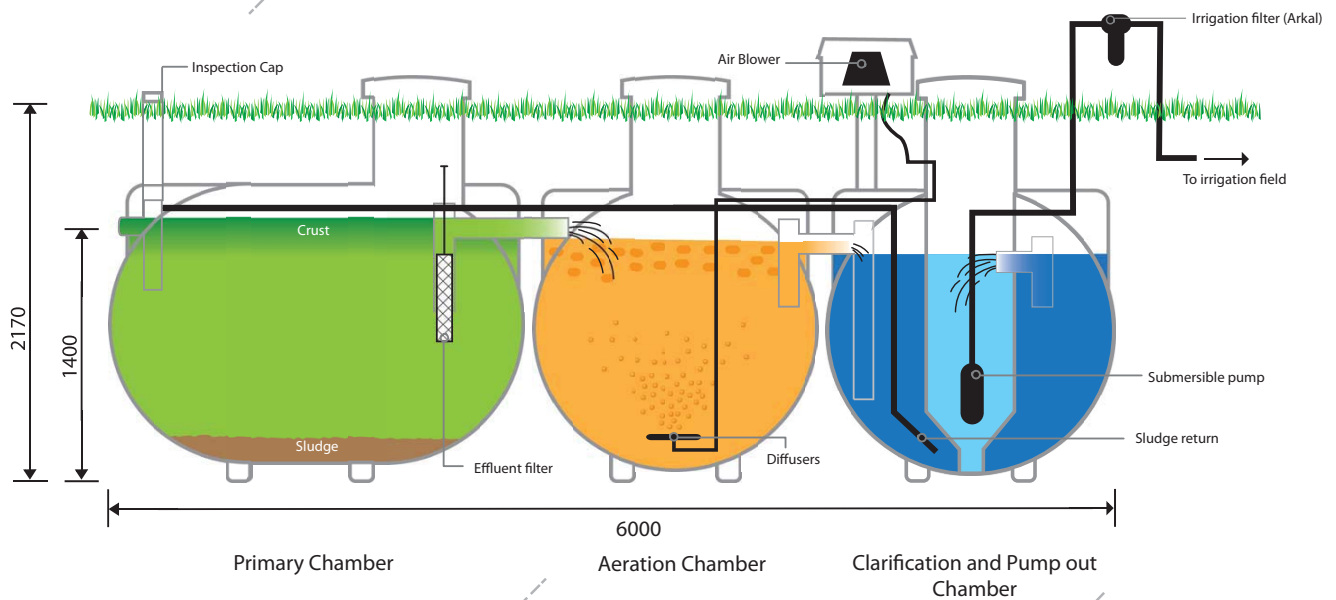
TRUSTED BY COUNCILS

Integra wastewater treatment systems have been installed into many municipal applications due to the flexibility of design and the robust nature of the product.

In public installations all controllers and equipment external to the vessels is housed in a remote locked equipment box to prevent tampering and vandalism.

HOW THE INTEGRA SYSTEM WORKS

The primary chamber receives all the wastewater from your home. The configuration of the chamber allows sludge to settle and crust to form and provides an anaerobic (no oxygen) environment where solids are consumed by bacteria.



The aeration chamber receives the mid-water from the primary chamber and uses oxygen pumped through a diffuser to allow a different set of bacteria to have a go at breaking down any remaining solids that have made it through.

The clarification chamber allows a calm environment for any remaining solids to settle out and be returned to the primary chamber to be further processed. The clean, clear water then spills over into the central vessel where it is pumped out to the disposal field

OUR MOST COMMONLY ASKED QUESTIONS

1 Water Use
The water discharged from the system is non-potable. This means you cannot use it in any application where health could be at risk. The disposal field or dripper line must be either below the surface of the ground or underneath 150mm of mulch. This ensures the safe disposal of the fluid without risk to health of humans or other animals.

2 Cleaning Products
Just like with ordinary septic tanks there is a list of do's and don'ts around what household chemicals are safe for use with your system. If the wrong products end up in the system they can 'kill' the system and this will likely result in bad smells until the system comes back to life. Your Integra system will come with a comprehensive guide.

3 Cost of Operation
All wastewater treatment systems have an operating cost of some sort. In the case of the Integra system it is running a pump and a blower and requires servicing twice per year. The cost of electricity has been tested at approximately \$175 per year and each service should be around \$150 but this is up to your service agent.

4 Guarantees
The Integra wastewater treatment system vessels carry a 15 year guarantee, but anyone can offer a guarantee and hope for the best. Integra can however proclaim that not a single vessel has failed in the field. Facts speak louder than words. Third party components are provided with a two year manufacturers warranty.

5 Certification & Acceptance
Any vessel sold in New Zealand or the Pacific Islands should meet or exceed the standard for construction of underground septic tanks (AS/NZS 1546.1) and the standard for on-site wastewater management (AS/NZS1547). The Integra system is certified to comply or exceed both of these standards.

6 Smell
Many systems on the market run intermittent blowers. This can cause 'belching' where the blower kicking on causes a rush of odorous air from the vent of the system. The Integra system runs a very quiet and low energy blower 24 hours per day to ensure no belching occurs, and all with lower energy consumption than many other systems.

SIMPLE IS BEST

The simplicity of the Integra wastewater treatment system means less to worry about. Less parts, less suppliers and standardised componentry wherever possible means your system is trouble free and in the unlikely event something does go wrong, it is a piece of cake to fix.



CONTACT AN INTEGRA AGENT TODAY



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