

# ECONOTREAT™



**Excellence in  
Every Drop**

—  
OSET tested and council approved  
Advanced Secondary Treatment



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ABOUT WATERFLOW

# YOUR DEDICATED PARTNER IN WASTEWATER SOLUTIONS

**We help Kiwis to choose and use the right sewage and wastewater systems for a cleaner New Zealand.**

We manufacture, supply, install and design onsite wastewater systems (we even support you through council consent processes). From rural residential homes to housing developments, we know that every site is unique. Our wide range of wastewater products means we can design a system that's fit for purpose for every property and project.

With a deep commitment to advocating for the responsible treatment of wastewater, we bring clarity to a complex field, ensuring that wastewater is treated effectively for the benefit of our shared backyard, the environment. Our team of wastewater experts is here to simplify the process, sharing our knowledge generously and helping you discover the right wastewater solution for your project.

We're not just about systems, we're about stewardship. Not just for now, but for generations to come. Water, it's one of our most valuable but most wasted resources. When it comes to a cleaner New Zealand, we think protecting our water supply is a pretty good place to start.



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# TABLE OF CONTENTS

Why Choose EconoTreat	3-4
How it Works	5
EconoTreat Systems	6
Frequently Asked Questions	7-8
Customer Testimonials	9





## BENEFITS

# WHY CHOOSE ECONOTREAT?

## Precision aerated treatment for unparalleled environmental protection

Advanced Secondary Treatment level certified, for even the most sensitive ecosystems. EconoTreat Systems are the leaders in wastewater treatment, with nitrogen reduction abilities offering unmatched purification and protection of your backyard. Run off a single blower the EconoTreat delivers consistently high results; while using only approximately 1.3kwh of power per day, making it cost effective to run and maintain from day one and into the future. 'Purity at its Peak' giving you the 'Peace of Mind' you deserve!

- ✓ Operated by a single blower meaning fewer moving parts and very low ongoing maintenance requirements and running costs
- ✓ Single blower – low power, only 1.3KWH per day
- ✓ Nitrogen reduction capabilities for sensitive eco-systems
- ✓ Twin modules – less impact on your site with lighter machinery
- ✓ Plastic modules option – great for difficult to access sites & less freight costs
- ✓ Saves water by recycling household water into landscape irrigation  
Safe and beneficial for the environment, protecting 'Natures Water Cycle' and your 'backyard'
- ✓ Meets Advanced Secondary treatment requirements



## Council-friendly compliance

With nationwide trust and OSET certification, EconoTreat's Advanced Secondary Treatment system makes compliance a breeze. We know our way around industry regulations, simplifying compliance and council consents to keep your project flowing smoothly. Enjoy smooth sailing through consent processes and get started without the wait.





### Longer lasting irrigation systems

The high treatment of wastewater is crucial for safeguarding irrigation systems. Advanced secondary treatment processes ensure the high removal of contaminants and impurities, preventing clogging and damage to Pressure Compensating Drip Irrigation (PCDI) driplines especially. Minimising the risk of sedimentation, sludge and microbial growth, this meticulous wastewater treatment, enhances the overall performance and reliability of your irrigation system, thus extending their lifespan and efficiency while minimizing environmental impact.



### No job too big, or too small

From private homes to high-flow commercial facilities, EconoTreat's scalable solutions are tailored to meet the demands of your space. OSET tested, council approved, and scalable – there's no wastewater challenge too big for EconoTreat. We'll customise your EconoTreat system so that it's fit for purpose today, and in the future.

### Tailored solutions, every time

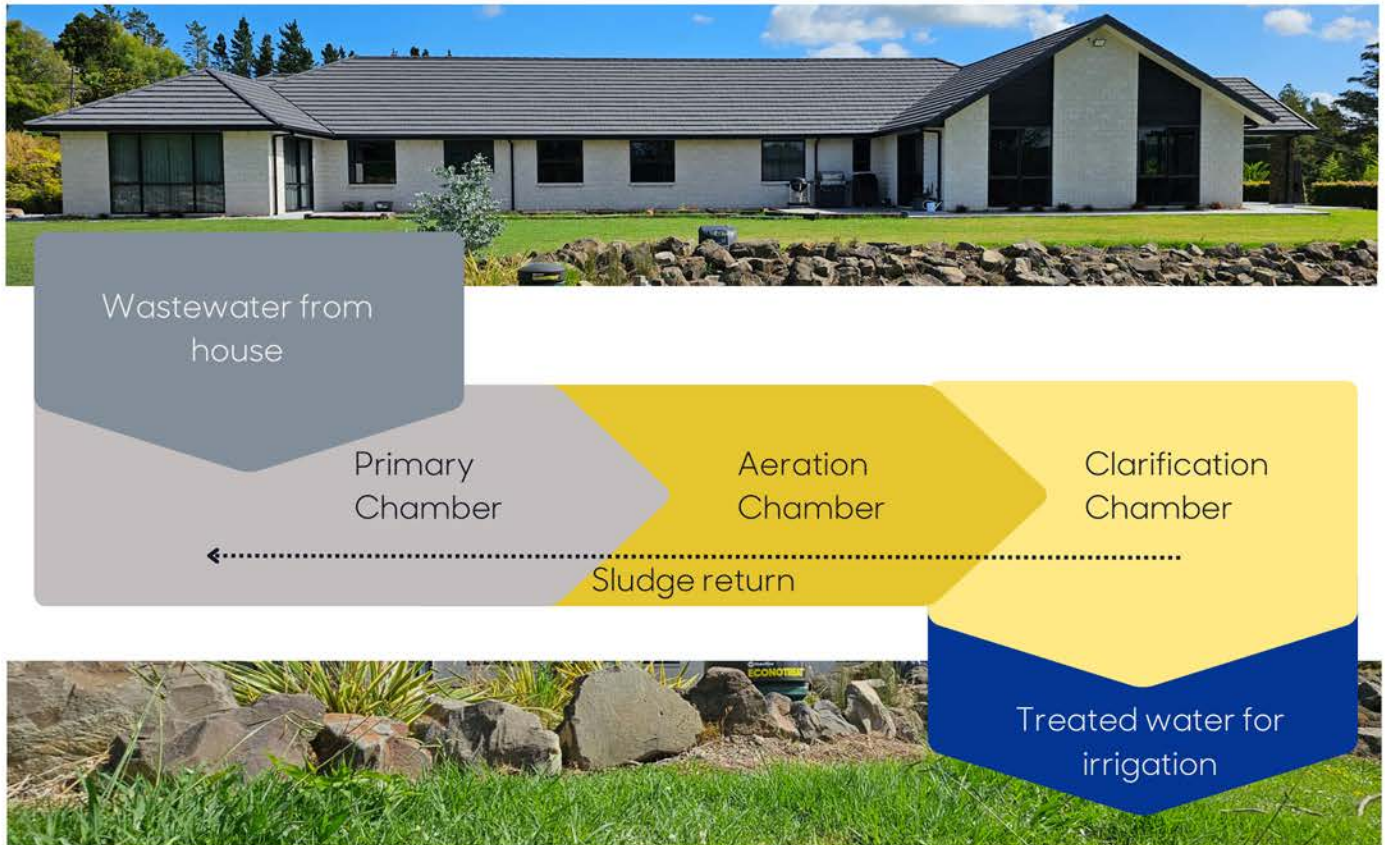
Wastewater isn't just about pipes and tanks to us. Understanding the uniqueness of each site is at the heart of what we do. We'll design your EconoTreat system to fit your environment and lifestyle. With WaterFlow, it's always personal.





## HOW IT WORKS

# ECONOTREAT WASTEWATER TREATMENT



## Primary Chamber/Tank

Influent enters the chamber and scum and solids capable of settling are separated out. Primary treated effluent flows through a transfer port to the aeration tank. This primary tank will also act as a storage chamber for sludge returned from the Clarification Chamber.

## Aeration Chamber

Water enters from the Primary Chamber. Air is introduced via an air blower to create an environment for aerobic bacteria and other helpful organisms to consume the organic matter present. Media in the tank provides structure to support the growth of bacteria.

## Clarification Chamber

Suspended particles/solids settle and are returned to the Primary chamber via a Sludge Return which aids in further biological reduction, denitrification and provides a constant supply of nutrients and microbes to support the system through periods of limited flows.



## VBB-P-2000

Capacity: Total daily flow volume 2000L  
 Type: Aerated Treatment  
 Treatment level: Advanced Secondary, De-Nitrification  
 Material: UV Treated Plastic  
 Application: 3-8 bedroom houses, baches and holiday homes, marae, schools, rural commercial facilities, ablution blocks



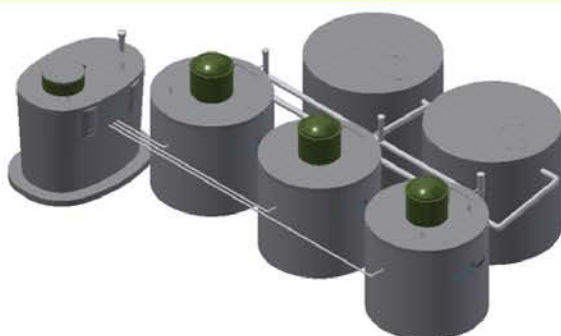
## VBB-C-2200

Capacity: Total daily flow volume 2200L  
 Type: Aerated Treatment  
 Treatment level: Advanced Secondary, De-Nitrification  
 Material: Concrete  
 Application: 3-8 bedroom houses, sleepouts, baches and holiday homes, marae, schools, small commercial facilities



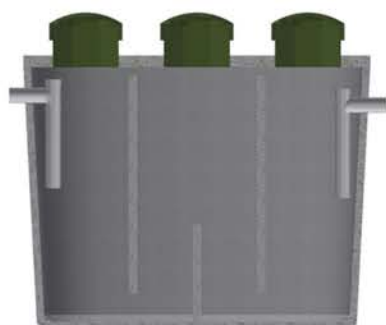
## VBB-C-3000

Capacity: Total daily flow volume 3000L  
 Type: Aerated Treatment  
 Treatment level: Advanced Secondary, De-Nitrification  
 Material: Concrete  
 Application: Large residential dwellings, commercial facilities, rural businesses, cafes, large ablution facilities, marae and community



## CUSTOM COMMERCIAL

Commercial situations are not 'one size fits all'. We work with you to make the necessary design considerations before prescribing a product for commercial facilities.  
 Type: Aerated Treatment  
 Treatment level: Advanced Secondary, De-Nitrification, Tertiary/UV  
 Material: Concrete



## GREASE TRAPS

The WaterFlow Grease Trap Wastewater Systems are perfect for removing FOG (fats, oils, and grease) from your commercial kitchen, cooking or processing facilities.  
 Capacity: 4500L or 5200L  
 Material: Concrete



## OUR SYSTEMS

# FREQUENTLY ASKED QUESTIONS

**What Treatment Level does EconoTreat achieve?**

EconoTreat achieves Advanced Secondary Treatment Level, with proven denitrification (Low levels of nitrogen discharged to land). It is a leader in it's class. Running off a single blower, it delivers consistently high results; while drawing consistently low amounts of power. With proven nitrogen reduction at the National Testing Facility, it is one of the few systems permitted to be installed in restricted discharge areas, such as around the Rotorua and Taupo lake catchment areas.

**Do Councils approve EconoTreat?**

Yes, EconoTreat is one of only a few systems available in New Zealand which is recognised as achieving Advanced Secondary Treatment levels. It is a preferred option by Councils and is one of few approved options for ecologically sensitive areas, like in Rotorua Lakes District.

**What if my property is tricky to access?**

We make EconoTreat models in concrete and plastic, to make it a versatile solution which can be installed on most properties. Plastic is preferable for difficult sites as it is lightweight., Weighing 100-200kg they can easily be positioned with small machinery, reducing your site impact.





**How much electricity does it use?**

EconoTreat uses less power than most other systems as it only needs a single, efficient blower. It uses approximately 1.3KWH per day.

**Can I re-use the water?**

After the water is treated, it is discharged back into the ground. This saves water by recycling household water for garden use promoting growth.

**Is the pump noisy?**

Operated by a single blower Econotreat works quietly in your back yard. The small Nitto blower is non-intrusive. In most situations, you won't even notice it unless you are spending time very close to the system, in which case we can supply additional insulation at the time of installation to minimise noise.

**Can I install the EconoTreat system myself?**

No, like all sewage systems it must be installed by a Registered Drainlayer. An accredited installer will provide technical support before, during and after installation.

**Availability?**

Systems are usually held in stock and ready for dispatch from the WaterFlow yard.



## TESTIMONIALS

# WATERFLOW SYSTEMS ARE IN 6,000+ BACKYARDS



Thank you for your services, you have an excellent working crew and you all in the offices there made the whole paperwork and organizing of the job processes so easy for me it was so good to leave it in your hands and not be doing it myself, as I had to with the rest of the stuff I've had to do during this time. Give my regards to all and a big thumbs up!

**Thelma – Ruawai**

Thanks again, were really impressed by your Company. I would have absolutely no hesitation in recommending anyone in both the product and your after care support. We really appreciate it!

**Mark – Te Kauwhata**

Thank you Hamish, we are pleased with the way that you finished the installation and particularly Jimmy's work with cleaning up the site. Please thank him for us.

**Steven – Rakino Island**

Waitoki School's decision to go with Water Flow NZ Ltd, was one of the wisest we have made. The quality of both product and service is exceptional. Their care of 'post installed product' is timely and professional. One of the trickier elements when installing in a school environment, is the installers ability to run a safe secure installation – and Water Flow stood out with their professional approach to working around children.

**Waitoki School – Waitoki**

Just wanted to add that you guy's have been amazing throughout this process, Gerry has been so great to deal with, himself and the other two guys were super efficient and very tidy completing the job on site and it was done on time even with my dates getting pushed out and not 100% confirmed until about a week out from the house arriving on site it felt like it was no issue to Gerry and he was very accommodating.

**Emily – Hatuma**



## Ask us about Commercial sized systems

The EconoTreat system is modular and scalable. We can custom design a wastewater system for high flow commercial settings.



## No site too difficult

With a plastic tank option available, EconoTreat can be installed even on tricky sites, including remote areas and sloped landscapes. EconoTreat is comprised of two smaller components rather than a large single one, allowing the use of smaller machinery.



Econotreat  
Advanced Secondary Treatment Systems  
Product Licence ID 121240





Our team of wastewater experts are here to help.  
Let's see if EconoTreat could be right for your backyard.

**GET STARTED WITH FREE SITE ASSESSMENT**

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**ECONOTREAT™**

