



**Why invest in a  
High-Performance  
Wastewater Treatment  
System for your  
property?**



# The wastewater treatment system that is **built to perform.**

**Choose AdvanTex® technology for environmentally sustainable, low-maintenance wastewater treatment that just keeps working. New Zealand's #1 performing residential wastewater treatment system since 2007 – NZ OSET Trials.**

## It's all in the bugs

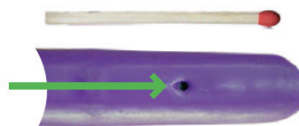
Residential wastewater treatment systems must keep large bug colonies alive – bacteria and microorganisms – to consistently break down and 'treat' wastewater. The process involves a delicate balance of oxygen availability, a large surface area for bugs to live and multiply, and consistent wastewater recirculation.

When one of these factors underperforms, water treatment goes out of balance, resulting in a system collapse. You know what happens next – sorry about the smell and, oh, don't go near the back lawn, it's a soggy mess.

### Micro Filter



### Micro Emitter



Standard pressure compensating driplines that can become blocked if your bugs aren't working properly.

## The ultimate habitat for bacteria – so your wastewater discharge is safe and environmentally sustainable

AdvanTex® delivered by Innoflow sets the industry standard for sustainable residential wastewater treatment.

Combining watertight tank systems with engineered textile media, effluent filter, and pump vault, no other treatment system performs quite like AdvanTex®.

### The Orenco® Biotube® Effluent Filter and Pump Vault





- Oversize textile curtain inserts provide the ideal habitat for bugs and bacteria to thrive and treat your wastewater



- Generous void spaces within the textile curtains collect organic matter to accelerate break down
- Orenco® Biotube® effluent filters have the largest total flow area available on the market, they screen excess solids before they enter the treatment phase, minimising clogging
- Inbuilt recirculation ensures wastewater passes through the textile curtains at least four times for maximum exposure to bacteria. Recirculation also keeps bacteria alive during prolonged periods of inactivity, ensuring the system responds when householders return

## Five reasons why you should consider AdvanTex®

- **Worry-free wastewater treatment** – AdvanTex® is engineered for reliability and independently tested by Water New Zealand
- **Super sustainable** – AdvanTex® minimises nitrogen levels to help protect our precious waterways
- **You'll save in the long run** – AdvanTex® wastewater treatment systems use up to 80% less electricity than standard treatment systems, thanks to our high efficiency pumps and passive ventilation system
- **Easy, low maintenance** – AdvanTex® tanks are pumped out every 8-to-12 years compared to 3-to-4 year cleaning cycles for standard treatment systems. What's more, our textile curtain inserts are designed to last 30+ years – a lifetime of worry-free performance
- **Minimise blockages and nasty overflows** – AdvanTex® cannot be beaten for reducing levels of solid waste, minimising the risk of blocked dripper lines, pump damage, or worse, a smelly backyard catastrophe



AdvanTex® turns household wastewater into clear effluent you can reuse for irrigation on your property.

### The AdvanTex® AX20 Treatment Pod

Passive ventilation supports consistent airflow for natural aerobic degradation and treatment – not a mechanical aerator or blower in sight (or sound)



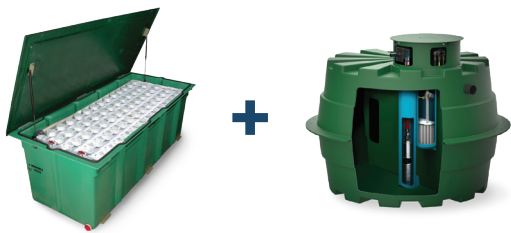
## The Innoflow High Performance On-Site Treatment Range for residential applications

During the NZ OSET Trials the AdvanTex® system achieved a final effluent quality of:

BOD less than 5mg/L

TSS less than 5mg/L

These results were **4 to 6 times cleaner** for the environment than many other council approved systems that were tested.



### AX20 Packaged System

Treatment capability up to 2,000L per day  
Advanced nitrogen removal available



### AX15 Small Home System

Treatment capability up to 1,000L per day



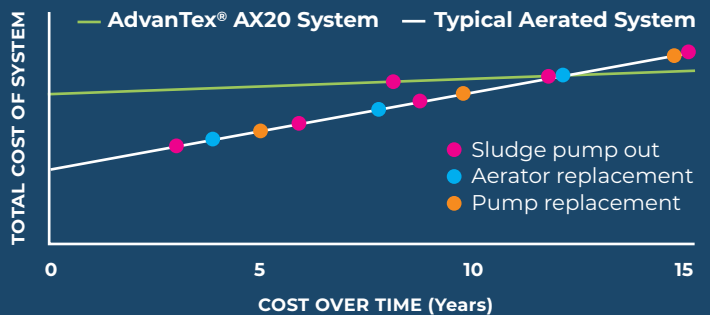
### AX20-RT Retrofit System

Treatment capability up to 2,000L per day  
Connects to existing or separate septic tank

AdvanTex® is the system of choice for wastewater engineers in NZ when looking for:

- **Reliable consistent performance**
- **Low maintenance**
- **Low odour**
- **Low power consumption \$6-to-\$8 / month**

### System cost comparison over time



**Specialised Wastewater Pumps** developed by Orenco® Systems in the USA are at the heart of all our AdvanTex® treatment systems.

- **World class pump technology**
- **5 year pump warranty**
- **Design life of 15 years +**



All AdvanTex® treatment systems come with the latest MVP control panel technology made by Orenco® Controls in the USA.

Questions to ask when researching wastewater treatment systems:

- **Is it a recirculating system?**
- **What is the monthly power cost?**
- **How long is the pump warranty?**
- **Can the system control panel be programmed to suit the demands of your household?**