

Aqua-nova®

Wastewater Treatment Systems

The clear solution to recycling wastewater



AWTA
MEMBER

Australian Wastewater
Treatment Association



GLOBAL CERTIFICATION PTY LTD
QUALITY MANAGEMENT SYSTEM CERTIFIED



JAS-ANZ



AS/NZS ISO 9001:2008
Registration Number:
081



A family owned
Australian
business



About Aqua-nova®

Aqua-nova® is a division of Everhard Industries, an Australian family owned company that has been producing water-related household goods since 1926. From humble beginnings, Everhard Industries has remained at the forefront of manufacturing innovative products.

The Aqua-nova® wastewater treatment system is a two tank system which provides proven reliability in aerated wastewater treatment through a multi-stage digestion process using naturally occurring bacteria and enzymes.

Over the past 17 years, approximately 20,000 of our Aqua-nova® systems have been installed throughout

Australia, America and the South Pacific. The popularity of the Aqua-nova® is based on Everhard's ongoing commitment to manufacturing quality products in both concrete* and polymer, and a national level of support with offices in Brisbane, Cairns, Melbourne, Perth and Sydney. This, coupled with a nationwide coverage of qualified distributors, ensures that our customers will always receive timely and reliable service.

Aqua-nova® systems are also available for commercial applications including industrial sites, schools, universities, and caravan parks. Aqua-nova® custom designs these systems to suit each application's specifications.

*QLD & NSW ONLY



Why choose an Aqua-nova® System?

- + Cost effective
- + Environmentally friendly
- + Produces safe recycled water for irrigation
- + Manufactured to meet Australian Standards
- + Approved to Local and State regulations
- + Polymer Tanks are injection moulded for incredible durability and strength
- + Operates on a two tank system to prevent cross-contamination and minimise pump outs
- + Network of distributors for easy maintenance and servicing
- + Polymer is easy to transport and install
- + Concrete options available in Queensland and New South Wales
- + Backed by an unprecedented warranty

Standard Operation

1 Primary Treatment

All wastewater flows into a Primary Tank that allows for the removal of solids and fats from the raw sewage.

2 Aerobic Treatment

Settled wastewater flows into an aerobic zone that is aerated using a small air compressor. This zone is fitted with media that allows for the growth of aerobic bacteria that biodegrade the residual organic material.

3 Clarification

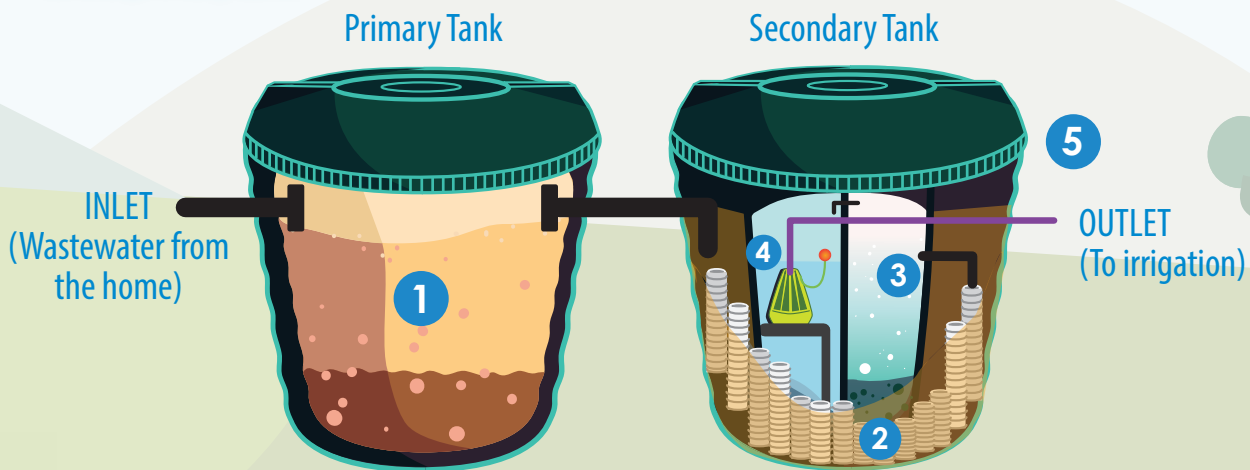
The aerated water then undergoes a final clarification. This allows most of the residual solids to settle, which are then pumped back to the primary tank.

4 Disinfection

Where specified by local authorities, the clarified water is disinfected. This is achieved by allowing the water to flow over chlorine tablets, providing the necessary chlorine concentration to eliminate any residual bacteria

5 Irrigation

When sufficient wastewater has been treated a pump will activate. Safe, recycled water is expelled from the pump to water your garden either by sprinkler or subsurface irrigation.



Water Quality Comparison

	Australian Standard Requirements	Septic Tank	Aqua-nova®
		Typical Results	Average Test Results
BOD ₅ (mg/L) Biochemical Oxygen Demand over 5 Days	<20	120-240	<2
Total Suspended Solids (mg/L)	<30	65-180	8.75
E.Coli (cfu/100mL)	<10	N/A	<10

Getting Started

To install an Aqua-nova® Wastewater Treatment system, property owners and developers must typically go through a four step process:

1. Contact your local Aqua-nova® distributor for an obligation free quotation on an Aqua-nova® model to suit your needs.
2. If necessary, contact an independent consultant to prepare an Onsite Wastewater Management Report for your property.
3. Complete and submit the application forms required by your local government authority.
4. Arrange with your Aqua-nova® distributor to install and commission your new system.

Approvals

Check with your relevant local authority for current approvals, or visit our website for regionally specific information.

Septic Tank Upgrades

In many instances, septic tanks require an upgrade or replacement due to changing local government regulations, degraded soakage trenches, or simply because the owner wants to improve their environment. Where the septic tank is of suitable quality, an Aqua-nova® can provide a less expensive alternative as you may only need to install the treatment tank, instead of purchasing an entirely new system.

Specifications

	Aqua-nova®	
	Polymer	Concrete (QLD & NSW ONLY)
Height	1875mm	2115mm
Diameter	1885mm	1785mm
Primary Tank Weight	130kg	2690kg
Secondary Tank Weight	320kg	2880kg

Warranty

Every Aqua-nova® system includes a 2 year replacement warranty on all pumps and blowers. All tanks have a 15 year warranty, as per Australian Standard 1546.1.

Servicing

All installed systems must be serviced as required by the local authority in your state. Commissioning and the first three services are included in the installation price.

Also Available

Aqua-nova® systems can be supplied with Solar Power, Nutrient Reduction or Membrane options. These systems are available in selected areas. Contact your Aqua-nova® distributor for further information.

For more information
search 'aqua nova'
or visit
everhard.com.au/aqua-nova

