

# Aqua-nova<sup>®</sup>

Wastewater Treatment Systems



*The clear solution to  
recycling wastewater*

[www.aquanova.com.au](http://www.aquanova.com.au)  
1800 002 365

## About Aqua-nova®

Aqua-nova® is a division of Everhard Industries, an Australian owned company that has been operating for more than 83 years. From humble beginnings, Everhard Industries has been at the forefront of manufacturing innovative products. Over the past 10 years, approximately 15,000 of our systems have been installed throughout Australia and the South Pacific.

The popularity of the Aqua-nova® system is based on our ability to provide a quality product in both concrete and polymer tanks, and the knowledge that the product is supported at a national level 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.

In meeting the needs to provide improved wastewater quality, we have developed systems that cater for nutrient removal and membrane filtration. These technologies provide a higher standard of treated effluent for better environmental outcomes.

Aqua-nova® also manufactures commercial systems for industrial sites, schools, universities, and caravan parks. Aqua-nova® custom design these systems to suit each application's specifications.



The Aqua-nova® Treatment Process  
*Separates, Treats, Clarifies, Sanitises, Irrigates*



Accreditations

## Why choose an Aqua-nova® system?

Our systems are:

- Cost effective
- Environmentally friendly
- Approved to Local and State Government regulations
- Easy to maintain and service
- Backed by an unprecedented warranty
- Available in two tank, polymer or concrete systems
- Capable of producing safe, clean, usable recycled wastewater all the time
- Manufactured in tanks that meet Australian Standards

## Getting started

Prior to installing an Aqua-nova® Wastewater Treatment system, property owners and developers must typically go through a four step process.

1. Attain a Site and Soil Report
2. Submit building application for Local Government approval
3. Attain a free quotation from your Aqua-nova® distributor (see back page for your local distributor)
4. Install your Aqua-nova®

*After 80 years of quality and innovation,  
Everhard is Everything Water.*

## Product Range

### Selecting the best system for your domestic requirements.

Everhard Industries offers a product range that can provide our customers with a clear solution for all applications and environments.

#### Aqua-nova®



The Aqua-nova® has been designed for simple and efficient operation. This has made it the most popular and sought after two tank system in the industry. The Aqua-nova® provides aerated wastewater treatment through a multi stage digestion process using naturally occurring bacteria and enzymes. The system is designed to use minimum power which means low cost operation and maximum savings.

The Aqua-nova® produces secondary quality effluent which is widely acceptable in all regions of Australia. Secondary treatment represents over 80 percent of installations across the country.

#### Aqua-nova® NR (Nutrient Reduction)



The latest development is the Aqua-nova® NR Nutrient Reduction system, a trouble-free, robust system that can be used in new or existing developments located within water catchments or encroaching into environmentally sensitive areas. Using the Aqua-nova® NR allows you to have greater flexibility with small blocks by reducing set back distances and reduced dispersal areas.

The Aqua-nova® NR operates with a dual recycle and cycling aeration allowing for the reduction of nitrogen, while a zeolite filter is fitted for the reduction of phosphorus. The cycling process makes the system a more energy efficient aeration system than most other systems on the market.

#### Aqua-nova® MBR (Membrane) Series



The Aqua-nova® MBR Membrane Series has been developed over a 6 year period resulting in the first membrane system solely developed in Australia produced in polymer and concrete configurations. The Aqua-nova® MBR uses a two tank system with a filter fitted for the removal of grease/oils and particulate matter that may damage membranes. This system can also be used in new or existing developments located within water catchments or encroaching into environmentally sensitive areas. Using the Aqua-nova® MBR, allows you to have greater flexibility with small blocks by reducing set back distances and reduced dispersal areas.

The unique design includes the use of a smaller air blower that consumes less than 70% of the power of other membrane systems and has a distinctive pumping system that in suitable environments, can make large irrigation pumps redundant.

A large balance volume reduces the impact of hydraulic surges providing more flexible use of water in the household and the production of exceptionally high water quality, allowing for UV disinfection prior to irrigation.

	Septic	Aqua-nova®		Aqua-nova® NR		Aqua-nova® MBR 10	
	Standard Requirements	Standard Requirements	Aqua-nova® Result	Standard Requirements	Aqua-nova® NR Result	Standard Requirements	Aqua-nova® MBR Result
BOD <sub>5</sub> (mg/L) Biological Oxygen Demand over 5 Days	120-240	<20	<2	<10	2.9	<10	2.15
Total Suspended Solids (mg/L)	65-180	<30	8.75	<10	5.27	<10	1.50
E.Coli (cfu/100mL)	N/A	<10	<10	<10	<10	<10	<1
Total Nitrogen (mg/L)	N/A	N/A	-	N/A	16.99	N/A	-
Nitrates (mg/L)	N/A	N/A	-	N/A	3.45	N/A	-
Total Phosphorus (mg/L)	N/A	N/A	-	N/A	1.45	N/A	-

Aqua-nova® vs Standard Requirements - How our systems compare.

## Servicing and Warranties

All installed systems must be serviced as required by the State Authority with commissioning and the first three (3) services covered in the installation price.

When a company is confident about the products they produce, they provide the best possible warranty and to ensure that, we provide a 2-year replacement warranty on all pumps and blowers, and a 15-year warranty on our tanks (warranty applies from date of commissioning).

Consumers should be aware that a warranty is only as good as the company honouring it. Unfortunately over recent years, we have seen many manufacturers exit the market, leaving many consumers without any warranty coverage.

## Specifications

Tank Type	Aqua-nova®		Aqua-nova® NR		Aqua-nova® MBR10	
	Polymer	Concrete	Polymer	Concrete	Polymer	Concrete
Height	1875mm	2115mm	1875mm	2115mm	2335mm	2245mm
Diameter	1885mm	1785mm	1885mm	1785mm	1885mm	1940mm
Primary Tank Weight	130kg	2690kg	130kg	2690kg	135kg	2900kg
Secondary Tank Weight	320kg	2880kg	320kg	2880kg	140kg	2905kg

NOTE: Heights and weights may vary for non standard systems.

## Upgrading your Septic Tank

In many instances septic tanks need an upgrade or replacement due to local government regulations changing, 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 purchase the treatment tank, instead of purchasing an entire system, resulting in significant cost savings.

## Approvals

Check with relevant Local Authorities for current approvals.

[www.aquanova.com.au](http://www.aquanova.com.au)

Warranty Coverage (Warranty applies from date of commissioning)	
1 year	UV Steriliser
2 years	Blowers
2 years	Pumps
2 years	Zeolite Filters
2 years	Electronic Hardware
3 years	Membranes
15 years	Polymer & Concrete Tanks

*Aqua-nova®  
provides  
one clear  
solution.*

Your Aqua-nova® Authorised Distributor

Freecall: 1800 002 365

Aqua-nova® Factory: 35 Prosperity Place, GEEBUNG QLD 4034 Phone: 07 3637 6444 Fax: 07 3637 5977 email: info@aquanova.com.au						
Queensland	South Australia	Northern Territory	Western Australia	New South Wales	Victoria	
Freecall: 1800 002 365				Ph: 02 9757 2799	Ph: 03 9771 7344	

Manufactured by: EVERHARD INDUSTRIES PTY LTD ABN 41 009 690 589  
All details are correct at time of printing, however specifications may be subject to change without notification.



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