

Treatment Process

	0-3	0-2 NR	0-2
Primary Tank Retains the solids and uses aerobic and anaerobic bacteria to breakdown the BOD ₅ levels in the sewage.	✓	✓	✓
Alum Tank Doses the Clarifying chamber of the Treatment tank with Alum. Alum acts as a flocculent to remove the nutrients and suspended solids and settle them to the bottom of the tank for further aerobic bacteria breakdown.	✓	✓	
TREATMENT TANK Secondary/Aeration Chamber Incorporates aeration to further break down BOD ₅ and nitrates. Clarifying / Discharge Tank The Clarifying Chamber provides a settling and clarifying period for the water prior to discharge. Discharge Chamber The Discharge chamber contains the Discharge Pump to pump the treated water out to irrigation or other disposal methods. Ozonation Pump Ozone is a powerful disinfectant, many times more effective than chlorine and kills bacteria.	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓
DoH WA ATU Water Quality Criteria <20mg/L BOD ₅ <30mg/L suspended solids <10 E.coli/100ml >3mg/L Ozone concentration <1mg/L (98.5%) TP (% removal) <10mg/L (97.8%) TN (% removal)	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓



Products include:

Alternative Treatment Units

- Residential
- Commercial
- RWTP (Relocatable Wastewater Treatment Plant)



Greywater Diversion Units

- Whole of House System
- Single Fixture System
- Commercial Greywater Treatment Units

Ancillary Products

- Transfer Pump Tanks
- Rainwater Harvesting
- Duralen Septic Tanks

Preferred Supplier of KLARO Systems



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ALTERNATIVE
Treatment Units

Working with
the environment.



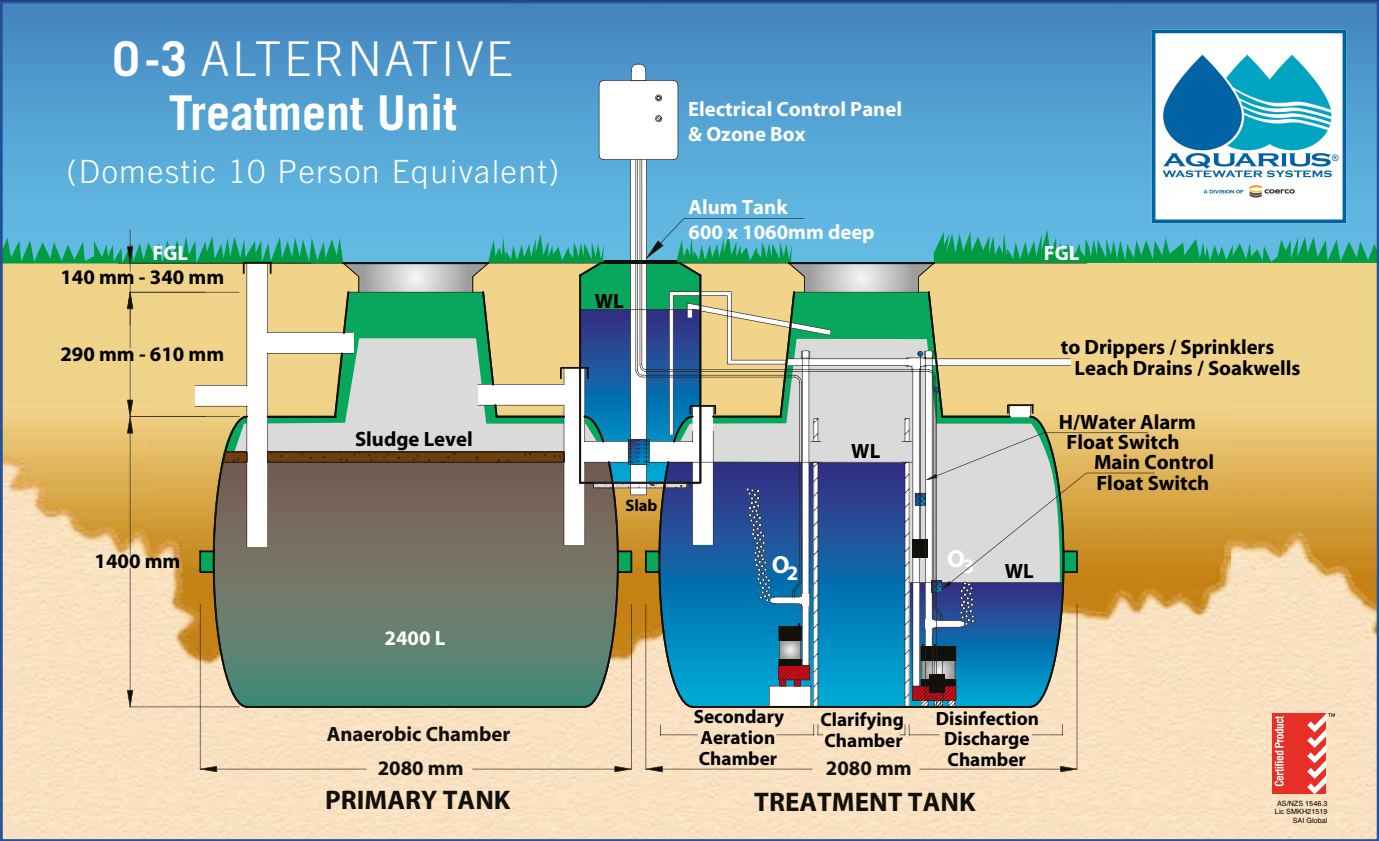
Introduction

Aquarius® Wastewater Management is a privately owned Western Australian manufacturer of Wastewater Systems. We manufacture a comprehensive range of wastewater diversion systems, wastewater treatment systems and ancillary products, for both domestic and commercial applications.

All Aquarius® ATU systems are installed and serviced by our Approved Installers who are all Licensed Plumbing Companies. All installations must comply with state and local authority requirements.

Caring for Our Environment

We live in a world where mankind is placing increasing pressures on our finite resources. The average Family dumps over 300,000 litres of recyclable water each year. The Aquarius® ATU recycles this water for sub-surface irrigation in your garden.



*Poly tank version shown. Also available in concrete tanks.

Aquarius® Alternative Treatment Units

The complete range of Aquarius® ATUs treat all the wastewater from the residential home or commercial site. The wastewater (from WC, kitchen, bathroom and laundry) is treated to current Department of Health WA Standards that allows it to be used for irrigation in garden beds, orchards, etc., or disposal into leach drains, soakwells and aquasafe drains. In addition the O-2 NR and O-3 models further treat the water to reduce phosphorous and nitrogen and these two ATU models are classified as **nutrient retentive** which is essential in water catchment areas, environmental sensitive areas and to comply with some local shire requirements.

The Aquarius® O-3 ATU we believe to be the most environmentally friendly ATU on the market by using Ozone as the final disinfection process. Ozone is many times more effective than chlorine and the by-product of Ozone is Oxygen.



Aquarius® Systems

1 – 5 Bedrooms	O-3 ATU	O-2 NR ATU	O-2 ATU
6 – 9 Bedrooms	O-3 3KL ATU	O-2 NR 3KL ATU	O-2 3KL ATU
Commercial	Aquarius® Standard or Custom Designed Commercial Systems Please speak to our Sales Consultant		

Specifications

	O-3	O-2 NR	O-2
System Features			
Poly/Duralen Plastic or Concrete Tank Construction	✓	✓	✓
Nutrient Retentive (Phosphorous reduction)	✓	✓	
Ozone Disinfection	✓		
Recycles all wastewater through irrigation into gardens, orchards, etc.	✓	✓	✓
Supplied complete with irrigation components, electrical components and pumps	✓	✓	✓
Footprint required approx 6m x 2.5m x 2m**	✓	✓	✓
Low Energy use	✓	✓	✓
Irrigation Area			
Above Ground Spray Irrigation	✓		
Sub-Surface Dripper Irrigation	✓	✓	✓
Irrigation area in sandy soil conditions –*150m²	✓	✓	✓
Other Disposal Options			
Leach Drains / Soakwells / Aquasafe Drains	✓	✓	✓
Maintenance			
Service calls per year as per DoH WA requirements	2	2	2
Manufacturers Warranties			
Poly/Duralen Plastic Tanks 15 years	✓	✓	✓
Orange Pumps 1 year	✓	✓	✓
Irrigation and Electrical components 1 year	✓	✓	✓
Approvals			
Fully approved by the Department of Health	✓	✓	✓
Australian Standards approved AS/NZS 1546.3	✓	✓	✓
Why choose Aquarius			
Wholly owned West Australian Company	✓	✓	✓
Manufactured in Western Australia	✓	✓	✓
Extensive Support Network covering all of WA	✓	✓	✓
Local Agents fully trained and registered with Department of Health WA	✓	✓	✓

*Subject to local authority approval.