

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
<u>System Features</u>			
Poly/Duralen Plastic or Concrete Tank Construction	✓	✓	✓
Nutrient Retentive (Phosphorous removal)	✓	✓	
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	✓	✓	✓
<u>Irrigation Area</u>			
Above Ground Dripper Irrigation	✓		
Sub-Surface Dripper Irrigation	✓	✓	✓
Irrigation area in sandy soil conditions – *150m ²	✓	✓	✓
<u>Other Disposal options</u>			
Leach Drains / Soakwells / Aquasafe Drains	✓	✓	✓
<u>Maintenance</u>			
Service calls per year as per DoH WA requirements	2	2	2
<u>Manufacturers Warranties</u>			
Poly/Duralen Plastic Tanks 15 years	✓	✓	✓
Orange Pumps 1 year	✓	✓	✓
Irrigation and Electrical components 1 year	✓	✓	✓
<u>Approvals</u>			
Fully approved by the WA Department of Health	✓	✓	✓
Australian Standards approved AS/NZS 1546.3	✓	✓	✓
<u>Why choose Aquarius</u>			
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

**Subject to configuration of ATU

Treatment Process

	O-3	O-2 NR	O-2
<p><u>Primary Tank</u> Retains the solids and uses aerobic and anaerobic bacteria to breakdown the BOD₅ levels in the sewage.</p>	✓	✓	✓
<p><u>Alum Tank</u> 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.</p>	✓	✓	
<p><u>Treatment Tank</u></p> <p>Secondary / Aeration Chamber Incorporates aeration to further break down BOD₅ and nitrates.</p> <p>✓</p>	✓	✓	
<p>Clarifying Chamber The Clarifying Chamber provides a settling and clarifying period for the water prior to discharge.</p> <p>✓</p>	✓	✓	
<p>Discharge Chamber The Discharge chamber contains the Discharge Pump to pump the treated water out to irrigation or other disposal methods.</p> <p>✓</p>	✓	✓	
<p>Ozonation Pump Ozone is a powerful disinfectant, many times more effective than chlorine and kills all bacteria.</p> <p>✓</p>			
<p><u>DoH WA ATU Water Quality Criteria</u></p> <p><20mg/L BOD₅</p> <p><30mg/L suspended solids</p> <p><10 E.coli/100ml</p> <p>>3mg/L Ozone concentration</p> <p><1mg/L (98.5%) TP (% removal)</p> <p><10mg/L (97.8%) TN (% removal)</p>	<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>	<p>✓</p> <p>✓</p> <p></p> <p>✓</p> <p>✓</p> <p>✓</p>	<p>✓</p> <p>✓</p> <p></p> <p></p> <p></p> <p>✓</p>