



Oasis Clearwater

ENVIRONMENTAL SYSTEMS

Aerated Wastewater Treatment Systems

Specifications:

Height:	2300mm (S2000)
2300mm (S2500 Treatment)	2000mm (S2500 Primary)
2300mm (S3000 Treatment)	2400mm (S3000 Primary)
Diameter:	2500mm (S2000)
2500mm (S2500 Treatment)	1700mm (S2500 Primary)
2500mm (S3000 Treatment)	1700mm (S3000 Primary)
Weight:	8100kg (S2000)
7500kg (S2500 Treatment)	3300kg (S2500 Primary)
7500kg (S3000 Treatment)	6000kg (S3000 Primary)
Total Capacity:	9400L (S2000)
	10,980L (S2500 System)
	16,760L (S3000 System)
Max Operating:	2000L/day (S2000)
	2500L/day (S2500)
	3000L/day (S3000)
Avg Operating:	1600L/day (S2000)
	2000L/day (S2500)
	2400L/day (S3000)
Aerator:	Thomas LP80 (S2000)
	Thomas LP100 (S2500)
	Thomas LP120 (S3000)
Pump:	Davey D42A/B
BOD:	<20g/m3
TTS:	<20g/m3
TN	<25g/m3
Faecal/100ml:	<1000
Standards:	
AS/NZS1546:2008	AS/NZS1547:2012
TP58	OSET Compliant

Contact Details:

Oasis Clearwater Head Office
PO Box16-276, Hornby, Chch, 8440
Ph: 0800 48 48 49
Email: sales@oasisclearwater.co.nz
Website: www.oasisclearwater.co.nz

The Oasis Clearwater Series 2000/2500/3000 utilizes Submerged Aeration Filtered Effluent (SAFE) technology, which has the unique ability to handle significant fluctuations in flow and loading, without upsetting the performance of the system. The system comprises five (5) chambers, each with its own critical part to play in the process as follows:

Primary Treatment Chamber

All wastes are received into this anaerobic chamber. The primary chamber also receives the returned activated sludge from the clarification chamber providing further breakdown of the influent load.

Pre-Treatment Chamber

The Series 2000/2500/3000 System incorporates a pre-treatment chamber which includes the use of the Polylok/Zabel A100 – 1.6mm filter to allow further valuable breakdown of organic and inorganic waste, that require a longer period of breakdown.

Aeration Chamber

The System is fitted with the Thomas LP80/100/120 linear air pump offering significant power consumption reductions without compromising efficiency and treatment quality. The air is pumped directly to a diffuser assembly producing thousands of tiny air bubbles providing oxygen to the liquid, and in turn promoting aerobic digestion of the effluent. The aeration chamber is packed with BioBlok media which provides a large surface area to volume ratio, allowing for significant biological growth.

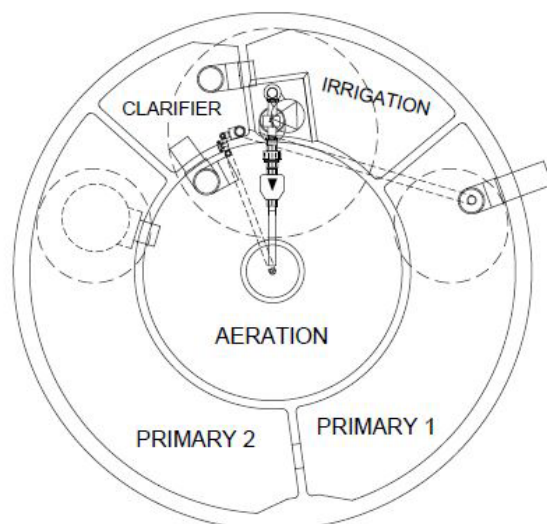
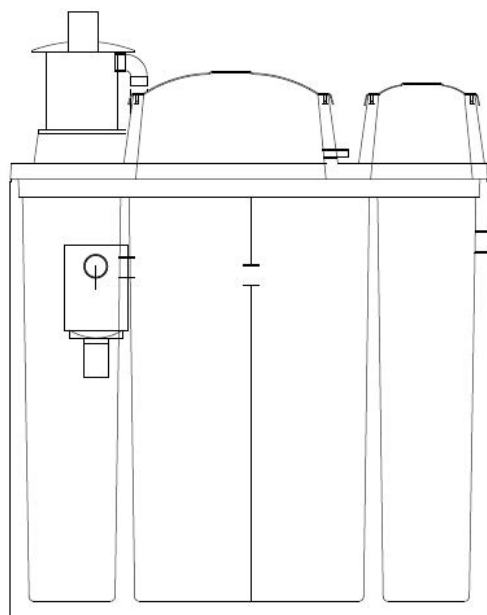
Clarification Chamber

Activated sludge settles to the bottom of this chamber where it is then drawn up via a venturi mechanism and fed back to the primary chamber.

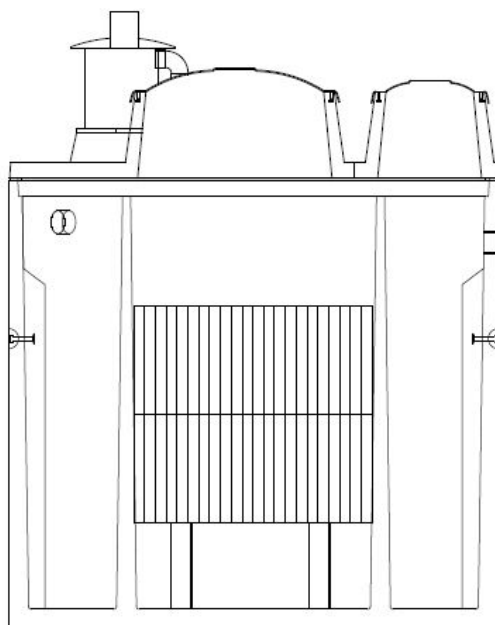
Disposal Chamber

The fifth and final chamber is capable of receiving various sized pumps depending on output requirements. From here the liquid is pumped out to the land application system.

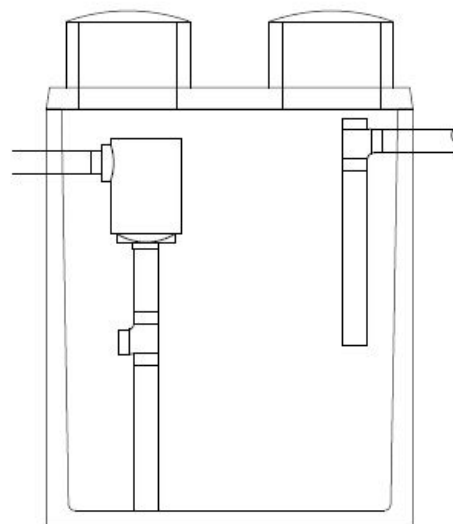
SERIES 2000



SERIES 2500

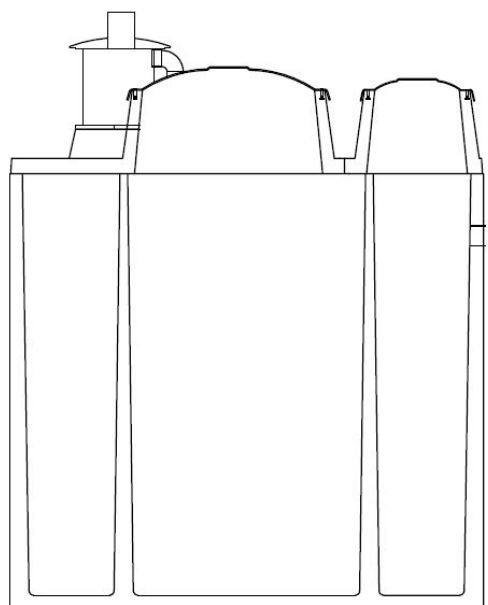


TREATMENT

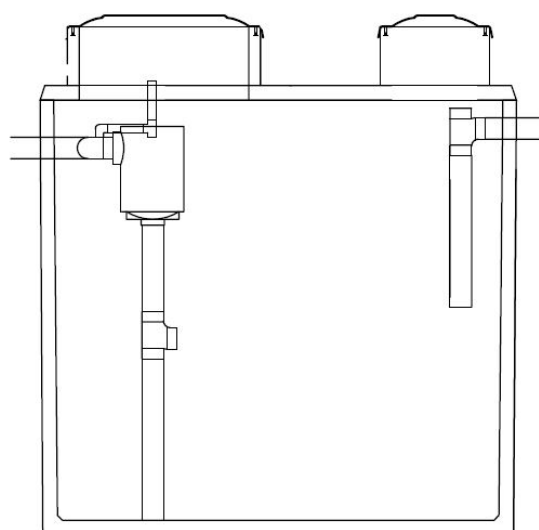


PRIMARY

SERIES 3000



TREATMENT



PRIMARY