

Our system is **Kiwi** ingenuity at its best.

FUSION TECHNICAL SPECIFICATION SHEET

GENERAL

Tank Dimensions:	2910x 2500x 2530
Tank Volumes:	Septic 4500L Pump chamber 1500L Emergency storage 2000L
Recommended Hole Dimensions:	3300x 2900x 2400 Maximum std depth from finished ground level. Invert: 1730 + - 20mm (middle of 2910 side)
Finished Ground to Invert:	750mm a 300mm riser is available ground to invert 1050mm (<i>see note</i>)
Inlet:	110mm pvc (middle of 2910 side) Outlet: 25mm alkathene pipe connector (can be altered to suit project)
Power Requirements:	2.5mm ² 2core + earth for pump 2 core cable underground rated for high level alarm. Power to be 300mm above finished ground level.
Pump Specs:	33m maximum head 550 watt 4 amp, max flow 100 l/m

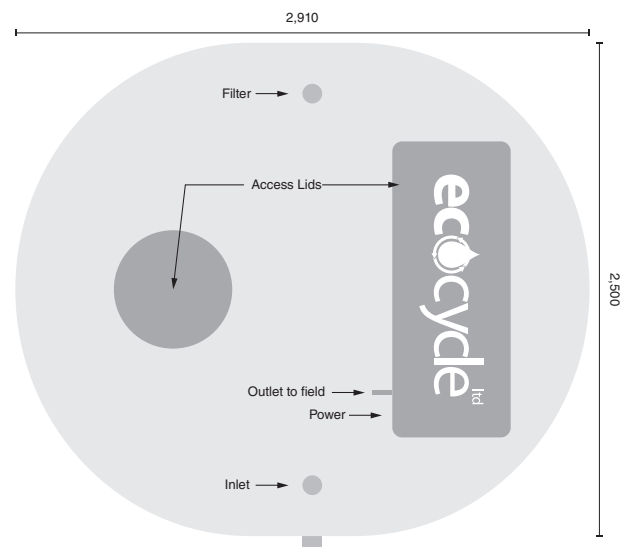
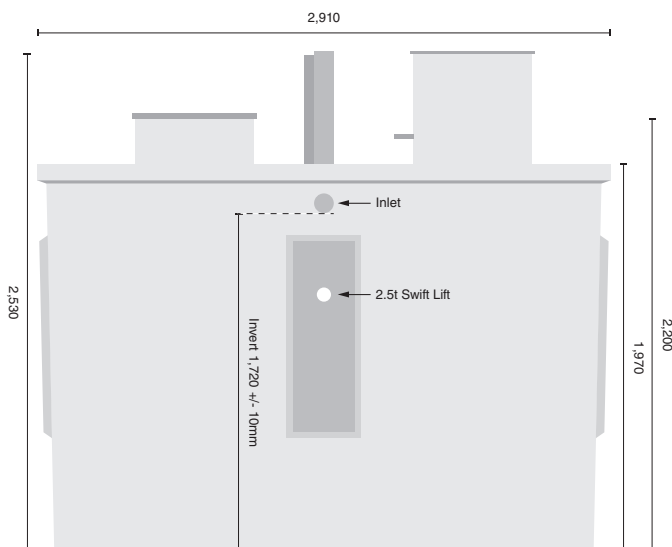
VISIBLE AFTER INSTALLATION

Maintenance Lid:	Alloy deck tread - 1480x 610
Filter Compartment:	Alloy deck tread - 715x 270
x2 Vent Pipes:	110mm diameter



NOTE:
For finished ground level if it's bare land, allow for landscaping, i.e: Topsoil.

TANK ILLUSTRATION - DIG OUT HOLE SIZE: 3300L x 2900W x Site Verify Depth



FUSION - EFFLUENT QUALITY RATINGS

ON SITE EFFLUENT TREATMENT NATIONAL TESTING PROGRAM NEW ZEALAND (OSET NTP)

Benchmark Ratings:

The **Ecocycle Fusion** system achieved the following effluent quality ratings for the sixteen benchmarking results in weeks 20 to 35.

Indicator Parameters	Median	Std Dev	Rating	Rating System				
				A+	A	B	C	D
BOD (mg/L)	5	3.5	A	<5	<10	<20	<30	≤30
TSS (mg/L)	8	4.6	A	<5	<10	<20	<30	≤30
Total Nitrogen (mg/L)	40.7	2.5	D	<5	<15	<25	<30	≤30
NH ₄ Nitrogen (mg/L)	17	3.7	C	<1	<5	<10	<20	≤20
Total Phosphorus (mg/L)	4.2	0.4	B	<1	<2	<5	<7	≤7
Faecal Coliforms (cfu/100mL)	163,000	80,900	D	<10	<200	<10,000	<100,000	≤100,000
Energy (kWh/d) (mean)	0.2	0.05	A	0	<1	<2	<5	≤5

This Performance Certificate is specific to the **Ecocycle Fusion** model as specified above when operated at a flow rate of 1,000 litres/day, and is valid for 5 years from the date below. For the full OSET NTP report on the performance of the **Ecocycle Fusion** system contact **Ecocycle Ltd**, Tauranga, P: +64 7 543 1594, or E: sales@ecocycle.co.nz

Authorised By:



Ray Hedgland, technical Manager, OSET NTP
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NOTE:
Maximum length for 14mm dripline **must not exceed 50m**, to ensure quality distribution of treated wastewater.

