

Committed to a quality product.

Austin Bluewater Environmental Concepts Ltd is a proven leader with over 25 years hands-on experience designing and manufacturing wastewater treatment systems, in New Zealand, for New Zealand.

Quality, reliability and innovation are the pillars of our success, making us true pioneers and the leaders in on-site wastewater treatment in New Zealand.

All of our products are designed, manufactured and assembled at our own manufacturing facility to ensure consistent quality and durability.

Septic Tank Size

Sizing of tank will vary depending on:

- Design engineers and council specifications
- Soil types and level of treatment specified by engineer
- Number of bedrooms and size of dwelling
- Residential or commercial application

Suitability

Available in configurations to suit the following applications:

- Residential, commercial, industrial & holiday situations
- Oil & grit interceptors
- Grease traps
- Water storage
- Storm water retention / detention

Septic Tank Maintenance

- Septic tanks require regular maintenance and emptying of solid indigestible matter and scum. Depending on usage, interval clean-outs every 3 – 5 years are recommended.
- The septic tank outlet filter should be checked for cleaning annually.
- If pump installed, inlet strainer requires servicing annually to reduce sludge build-up.

Certification

Manufactured to AS/NZS 1546 and 1547 standards.

Technical Specifications

	Working Volumes
Primary treatment chamber	3.4m ³
Secondary treatment chamber	0.87m ³
Pump well (gross)	1.1m ³
Total holding capacity (gross)	6.4m ³

Construction

Manufactured in special high-grade 45mpa structural concrete and reinforced with 665 steel mesh.

Note: Consistent with our policy of product improvement, we reserve the right to alter specifications without notice.

Tank Dimensions

Overall length	3.0m
Overall width (incl. foot)	1.93m
Overall height (excluding any risers)	1.56m
Weight	5.7T
Invert level from bottom of tank	1.32m

Comprehensive Protection Warranty

Austin Bluewater Wastewater Treatment Systems are warranted against defects in materials and workmanship under normal operating conditions and serviced by a comprehensive warranty and replacement program.

B52 Primary Septic Treatment System

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Engineering the future of wastewater treatment

Austin Bluewater are a proven leader with over 25 years hands-on experience designing and manufacturing waste water treatment and septic systems.

We recognise one of the most important decisions when planning the build of your new rural home is how you will deal with your household's wastewater.

B52 Primary Septic Treatment System

Untreated household sewage would quickly clog any soil structure if applied directly to the soil.

The function of the septic tank is primarily as a settling tank, allowing solids to settle to the bottom of the tank with fats and grease floating to the surface.

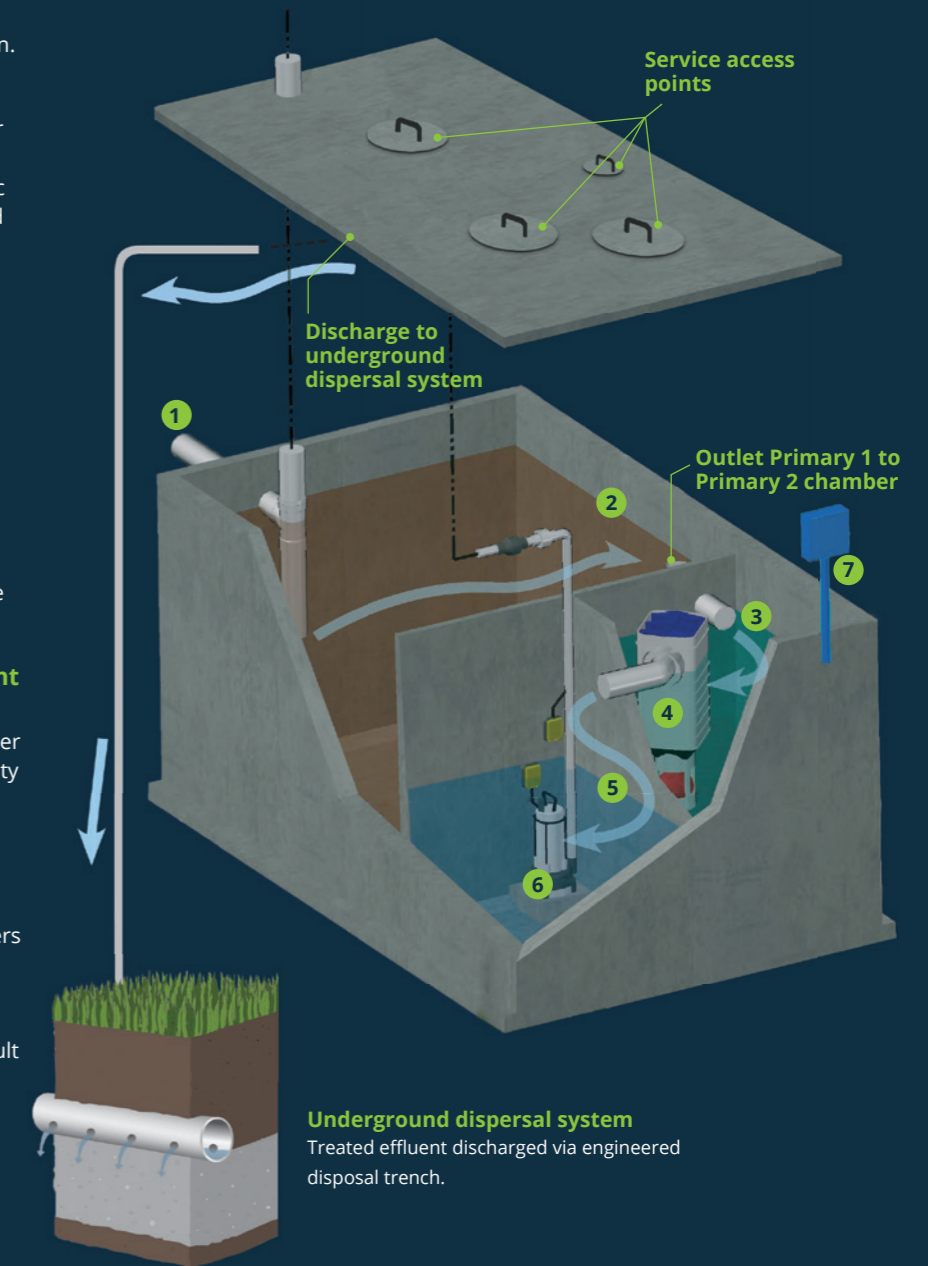
The middle clear zone allows for draw off into a secondary chamber. Modern septic tanks generally include a bacteriological filter. Septic tanks may have one or two compartments with an additional chamber for a discharge pump.

The treated water is then dispersed on to your property.

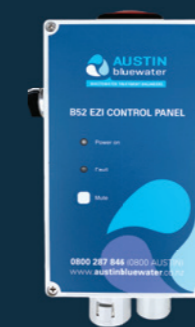


How it works

- 1 Inlet from Dwelling**
Untreated wastewater enters system at this point from residence/commercial application.
- 2 Primary Treatment Chamber**
In this chamber, solids settle to the chamber floor and fats and oils float to the surface leaving a clear zone in the middle. Anaerobic bacteria assist in the breakdown of collected solids.
- 3 Secondary Treatment Chamber**
This chamber acts as a back up to chamber one enhancing treatment quality.
- 4 Polylok PL-525 Filter**
This effluent filter is rated for up to 37,000 LPD making it one of the largest filters in its class. It has 525 linear feet of 1/16" filtration slots as well as an automatic shut-off ball. When the filter is removed for cleaning, the ball will float up and temporarily shut off the system so solids won't leave the chamber.
- 5 Dispersal Chamber or Final Treatment Chamber**
Depending on the configuration, this chamber can include a discharge pump, Flout or gravity discharge/additional treatment chamber
- 6 Discharge Pump**
Various discharge options are available, depending on design engineer and local council requirements. Our technical engineers can specify pumps to suit.
- 7 Control Panel (Powered systems only)**
Alerts the owner in the event of a system fault



Underground dispersal system
Treated effluent discharged via engineered disposal trench.



Control Panel



Filter



Pump