



Setting The Standard In User-Friendly Dump Points

Background

The Dump-Ezy product has evolved out of a need to provide a mechanism for dealing with waste from portable toilets in all sorts of mobile vehicles and boats. The more sophisticated off-road type trailers and vehicles available now are allowing large numbers of people to venture into remote areas that have little or no supporting infrastructure. Additionally, large numbers of people are moving around in privately owned or rented vehicles with in-built waste storage, and will dump it somewhere, appropriately or not.

This type of portable toilet normally uses various chemicals to mask odour etc and can be highly detrimental to the bacterial processes found in waste treatment systems. The concentration level of these chemicals can severely affect the biology of these systems to the point of collapse when heavily loaded as can occur in roadside restrooms and caravan parks.



Registered Design No. 153860

Hybrid Toilet Systems, septic systems, roadside restrooms, small treatment plants and council sewer systems all receive waste from these types of units and the Dump-Ezy unit can be either built into these facilities or installed adjacent to these units. The other issue is that there are also many circumstances where no facilities exist at all, and the result is that this highly undesirable waste is just dumped beside the road creating a significant hazard to the environment and to the community. Toilet paper littering pristine areas is not a desirable outcome. The Dump-Ezy unit and its optional downstream waste treatment and or storage options provide a solution for this issue.

Potential locations for the Dump-Ezy are Council sites, National parks, Caravan Parks, Marinas, Roadside Stops, Showgrounds, etc

Features and Benefits

The Dump-Ezy dump point is the front-end entry point of the waste stream. It is designed to be easily identifiable, attractive, and user friendly with simple to follow instructions.

This innovative product is built to be Australian Standards compliant off the shelf. It is easy to install, and includes built-in simple but effective self-evident operational signage. The lid is lockable, strong and lightweight and includes a moulded-in handle and a rubber seal for added odour control.

Note:

The Dump-Ezy unit is not a treatment system; it is only the front end of a process and needs to be installed in front of an appropriate holding tank, septic tank or other treatment process (see Waste Treatment Options)

Construction

The unit is rotationally moulded from tough UV stabilised, non-corroding polyethylene. This production method delivers products with minimal inbuilt stress, which equates to a high impact resistance.

The signage and instructions on the unit are permanently moulded into the plastic and cannot be peeled off. They will fade only minimally over an extended life in direct sun.

The unit is made entirely of plastic components and thus is not prone to corrosion. This feature makes the Dump-Ezy ideal for use in coastal areas. If the unit is to be bolted in position it is strongly recommended that stainless steel fasteners be used to prevent corrosion.

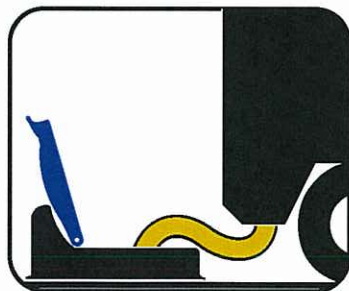
Usage instructions

The underside of the lid has a pictorial guide to the correct use of the Dump-Ezy



Cartridge Dump

Waste cartridge contents can be safely poured into the Dump-Ezy. The lid will stay open so that only one person is needed for the operation



Hose Dump

Onboard waste storage dumping can be done directly from the vehicle to the Dump-Ezy using a flexible hose.

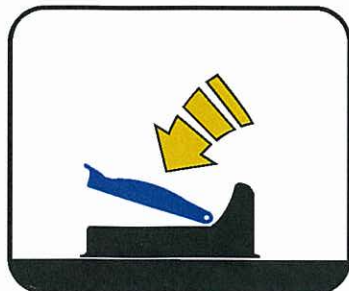
The drain orifice is 150 mm in diameter and can accept all hoses up to this size. To assist a single user, the lid can be closed to hold the hose.



Wash Down

Hose down the Dump-Ezy using the adjacent hose (this hose must be installed by the site operator)

The hose can be used to clean equipment and leaves the Dump-Ezy clean for the next user.



Close Lid

Once the wash down has been performed, close the lid to ensure the waste system is sealed.

The lid can be locked using a pad lock if desired.

Installation Guidelines



Site Location

When selecting a site to instal the Dump-ezy consideration should be given to traffic in and around the area. Dump-ezy should be installed away from high traffic areas to ensure user safety. Consideration should be given to any nearby features such as toilet blocks, tables, play grounds etc. Side access roads / isolated pull over bays are ideal.

Barriers

Physical barriers such as concrete kerbing, metal railings, treated pine stumps etc can help prevent vehicles and similiar from coming in contact with the Dump-ezy. These should be positioned in a way that still allows clear access for persons and hoses / catridges.

Signage

Adequate signage should also be installed to make people visibly aware of the Dump-ezy. Ask your local agent how to get them.

Hose Wash Down

A tap and hose should be provided next to installations to enable wash down with each use. This ensures a nice clean unit is maintained.

Drainage

Adequate drainage should be provided in and around the Dump-ezy to prevent infiltration from high rainfall, runoff etc.



Typical Installation.



Note: Install the Dump Ezy lower than vehicle outlet height shown so waste can drain through hose via gravity.

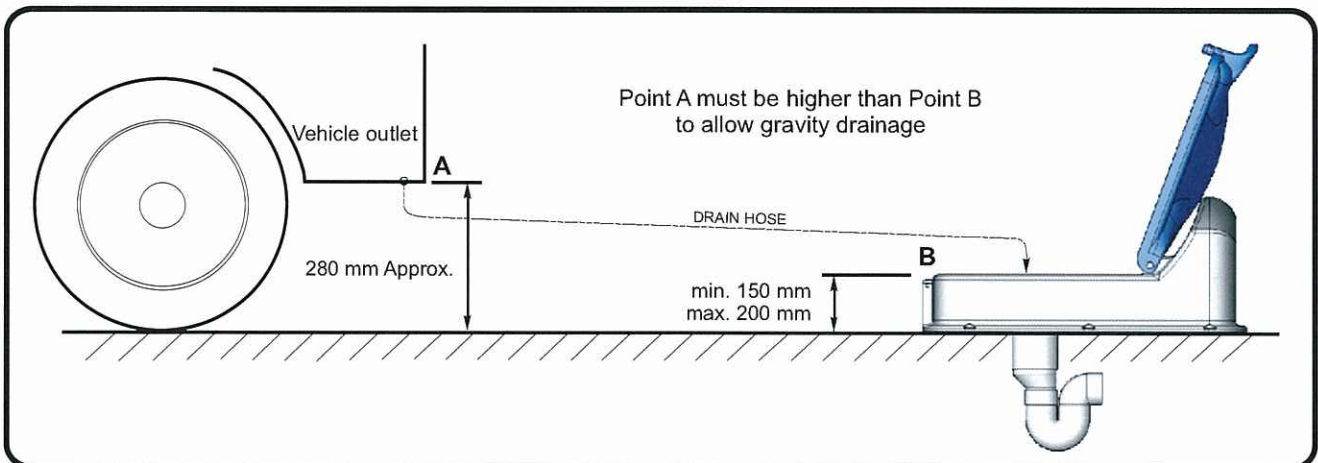


Figure 1.



Note: Install the Dump-Ezy within reach of the access road so people with drain hoses can reach as well.

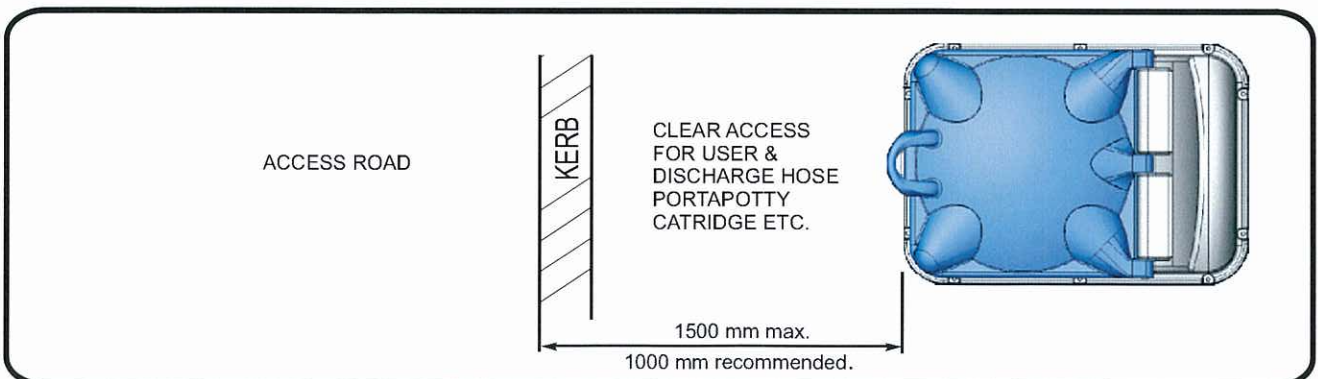


Figure 2.

Installation Instructions

All installations should comply with AS/NZS 3500.2.2 Section 3.15

If you are installing a septic tank system, transfer station or a treatment plant please also refer to the instructions provided with these kits.

The Dump-Ezy can be bolted to an existing floor surface or cast into a concrete slab.

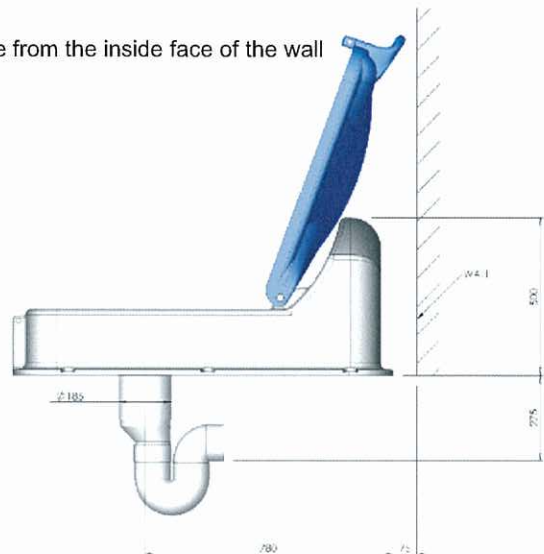
Bolted Option

- Position the outlet piping in with the correct minimum set-out distance from the inside face of the wall

- The minimum hole size required in the floor is 185mm Dia.
- The unit must be installed on a flat and level surface
- Locate the o-ring supplied and fit it into the groove at the underside of the outlet.
- Install the 150 mm coupling by screwing it firmly up against the o-ring. Do not overtighten.
- Assemble pipe work as per details supplied on the underside of the unit and on diagram
- Position the Dump-Ezy on the floor, mark around the unit and mark fixing positions.
There are 10 fixing holes in the unit, which accept 10 mm fasteners with 25 mm washers.
- Place a large bead of caulking material on the floor just inside the line. Complete the pipe joint and then fix the unit in position. Clean up any excess caulking material.

For compliance with the Plumbing Standard the minimum height of wall above ground must be 150 mm
(Dump-ezy wall is 200 mm high)

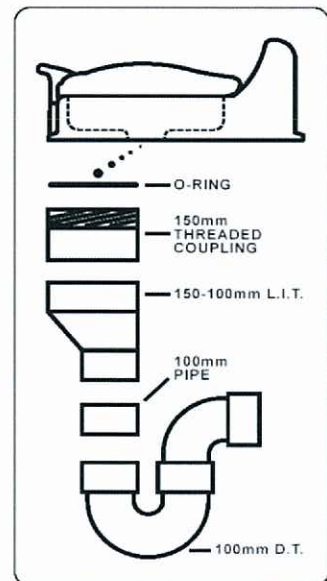
Note. All mechanical fixings should be Stainless Steel.



Set in Concrete Option

- Locate the o-ring supplied and fit it into the groove at the underside of the outlet.
 - Install the 150 mm coupling by screwing it firmly up against the o-ring. Do not overtighten.
 - Assemble pipe work as per details supplied on the underside of the unit and on diagram.
 - Bed plumbing as per Standard to correct height for coupling
 - Set formwork such that the Dump-Ezy is level and will be set into the slab no more than 50 mm.
- The slab should have fall away from the unit.

For compliance with the Plumbing Standard the minimum height of wall above ground must be 150 mm



Pipework and Fittings

Pipe work and fittings should be checked as per standard plumbing guidelines.

Fittings should be inspected for leaks at joints and tank connections.

If a backflow prevention device is installed on the hose cock it will require inspection and certification under AS 3500.

Locking

If required, the Dump-Ezy unit has an in-built locking point at the front below the handle.

The lock required to fit the unit is a "Lockwood" Product Code no 234/45. This lock can be keyed alike.

Maintenance and cleaning

The use of harsh abrasive anti-bacterial toilet cleaners is not recommended.

The Dump-Ezy is the entry point for a waste treatment system, which is a living biological process. The waste is biologically broken down and reduced to a useful and disposable state. Anti-bacterial and strong chemical cleaners have the potential to kill or severely reduce the effectiveness of the living treatment system if poured into the unit.

The surface of the Dump-Ezy unit should only be cleaned with non-abrasive cleaning products as follows:

Cleaning Method

The Dump-Ezy should be cleaned at least twice weekly with a soft brush and a Septic safe cleaning product. We recommend using a product called EMC by VRM - Available from Tradelink Plumbing supplies.

Mix EMC in the ratio of 1:10 into half a bucket of water. Scrub all over the Dump-Ezy surface with a soft brush to remove all soiling. If required use the concentrated EMC to remove stubborn soiling. Wash down the outside of the Dump-Ezy with the same product.

Any remaining mixed cleaning product may be tipped down the waste. Hose down the general area.

Sludge Management

If your Dump-Ezy unit is connected to a septic tank you will need to monitor the sludge level in the tank. A sludge gauge can be used to determine when the disposal is required and a regular interval can be established if usage is reasonably regular.

Questions

Should you have any problems with installation of this unit, please do not hesitate to contact:

Gough Plastics on Freecall 1800 069 805, (International +61 7 4774 7606) or your local Agent. Alternatively you can find information on the Dump-Ezy at www.gough.com.au/dump-ezy



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