



Self-containment certification with cassette and composting toilets

This simple information sheet refers to the installation and certification of fixed toilets including removable cassette and waterless composting toilets.

- NZ Lifestyle Camping Ltd is approved by the Plumbers, Gasfitters and Drainlayers Board as a NZ wide Certifying Authority for self-containment of motor vehicles (green warrants).
- NZ Lifestyle Camping Ltd continues to be a NZ wide Issuing Authority for self-containment under NZS 5465:2001 (blue warrants).

Following extensive discussion with the Plumbers, Gasfitters and Drainlayers Board together with distributors and operators of waterless composting toilets ***NZ Lifestyle Camping approves the self-containment certification of vehicles with removable cassette and waterless composting toilets where the following conditions are met.***

- 1) The toilet is permanently installed and fixed to the vehicle to a high level of workmanship.
- 2) The toilet is usable inside the vehicle
- 3) The base of the toilet is rigidly mounted [2] on a suitable, 'non porous' hygienic surface (including surrounding area) and does not require removal for emptying. This reduces the risk of any contamination of surrounding surfaces and allows for easy cleaning.
- 4) The waste capacity (solids and liquids) is sufficient to meet the occupants needs for a 3 day period. Such capacity may include secondary (sealed) storage. The toilet waste is held in a suitable removable container that can be easily emptied and replaced without spillage.
- 5) In accordance with the current regulations for waterless toilets, there are safe and secure facilities for storing and off loading waste.
- 6) The operation of the installed cassette or waterless composting toilet includes a method or system for limiting the release of foul odours to the vehicle interior. Such methods may include a seal or flap, forced air ventilation or extraction and the use of natural or chemical additives.

Notes:

[1] In line with the Plumbers, Gasfitters and Drainlayers Self-contained Vehicle Regulations 2023 a removable cassette is deemed to be a black/waste water holding tank. In a recreational vehicle toilet, the toilet empties into the black/waste water holding tank. Where a removable cassette is not the sole support for the toilet and the toilet body/base is rigidly mounted to the vehicle construction NZ Lifestyle Camping considers that the toilet complies with the regulations.

[2] Rigidly mounted has not been defined in the applicable legislation or regulations. An item that is hinged or otherwise mounted e.g. on an industrial slide/draw with a degree of fixed movement is considered rigidly mounted / fixed. Common examples would include sliding fittings, hinged doors etc. This is supported by dictionary definitions of the word 'rigid'

- [3] The Black Moa™ cassette toilet is a good example of a well designed, modification to meet compliance for a 'Green warrant' under the new PGDB self-containment regulations.
- The black water cassette is easily removed and is not the sole support for the toilet.
 - The design reduces any risk of spillage inside the vehicle.
 - The toilet surround is constructed of non porous(sealed) material that can be easily cleaned.



<https://www.mystenterprise.com/shop/bmct12-vented-cassette-toilet-12l-fixed-330>

- [4] The Fix-A-Potty™ mounting bracket repurposes an existing 10 litre camping toilet to a permanently fixed toilet and can be fastened to the wall and floor. The toilet remains supported on the aluminium base and rigidly mounted and the cassette can be easily removed for emptying. Contact: hello@fixapotty.co.nz for further information or check out the Fix-A-Potty website at www.fix-a-potty.co.nz .



Please note that these products are trademarked and patent pending and NZLC was consulted in the design and approval of these products. We respect the efforts and investment of the NZ designers and will not approve or endorse any illegal copies.

In both the above cases the mounting frame/base can be screwed or bolted to the floor.

The build quality of any installation is important in meeting the fit for purpose test. Refer to Regulation 14 of the Plumbers, Gasfitters, and Drainlayers (Self-Contained vehicles) Regulations 2023.

Where these designs meet the conditions listed on pg 1 and the toilet surround is suitably protected/sealed to avoid contamination, such toilet installations should be considered as meeting the requirements of the self-containment regulations by NZ Lifestyle Camping appointed vehicle inspectors.

The following, commercially, branded, toilets are some of those approved by NZ Lifestyle Camping for self-containment certification.

- Black Moa™ cassette toilet
- Enzell Classic Eco-loo waterless composting toilet
- 'Sun Mar GTG' and 'Eco Let Separera Mini' waterless composting toilets
- OGO Nomad, OGO origin and Natures Head waterless composting toilets

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Certifying Authority