



Carat Plastic Septic Tanks

Technical Guide WW 7

Carat Septic Tanks offer complete adaptability in their design, installation and use.



05.20 | WASTEWATER | WW07 GRAF CARAT PLASTIC SEPTIC TANKS

Applications

Residential
Small industrial units

Product Attributes

Lightweight, robust construction
Easy installation
High quality finish
Range of sizes available
15 year warranty, when installed to manufacturers standards

Approvals/Standards

Manufactured within a quality controlled factory
Designed and tested to the European Standard EN12566 for stability and water tightness, and meet AS/NZS 1546.1:2008

Quality

ISO 9001:2008 Quality Management Standard

We are the supply partner of choice for New Zealand's civil construction industry, specialising in water and infrastructure based solutions.



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Design Specifications

- 2700, 3250, 4800 and 6500 litre working capacities.
- Five preformed inlet/outlet ports in the lid shaft.
- Rotating lid shaft allows for easy aligning with inlet/outlet pipe.
- Tank, lid shaft and lid are all fully sealed to prevent seepage or dirt from entering the tank.
- Baffles available for in-tank chamber separation (excluding 2700 litre).

Fitout Options

- To allow complete versatility when planning a septic tank installation, the Elite Series Septic Tank offers factory-fitted options to increase treatment performance onsite:
 - Single Chamber – the basic option
 - Dual Chamber – fitted with leak-proof baffle to enhance flow control and solids settling

Lifting

- Lift with installed foot anchors or by securing equal length chains or straps beneath the outside lifting steps.
- Safe lifting practices should be followed during lifting and manoeuvring of the septic tank.
- Lifting equipment specifications can be supplied upon request.

Installation

- Septic tanks should be installed in stable soil conditions.
- Surface storm water should be diverted away from the lid.
- Check with your local council drainage authority for requirements on septic tank location and the drainage system for your site.
- After installation, tanks should be filled with water to avoid floating.



FIG. 1 Graf Product Certificate 1546.1

Septic Tank Use

- Septic tanks hold living bacteria which break down the effluent.
- Excessive use of bleaches and other strong chemicals will reduce the effectiveness of a septic tank as will other non-biodegradable products.

Septic Tank Maintenance

- Septic tanks need to be emptied when the solid sludge layer (which settles on the tank floor) has filled the tank to, around one third of the tank depth.
- The septic tank mushroom is designed to allow an air passage into the tank.
- An effectively operating septic tank will show a crust layer build up above the liquid within the tank. This liquid must be able to pass through to the outlet via the effluent filter.

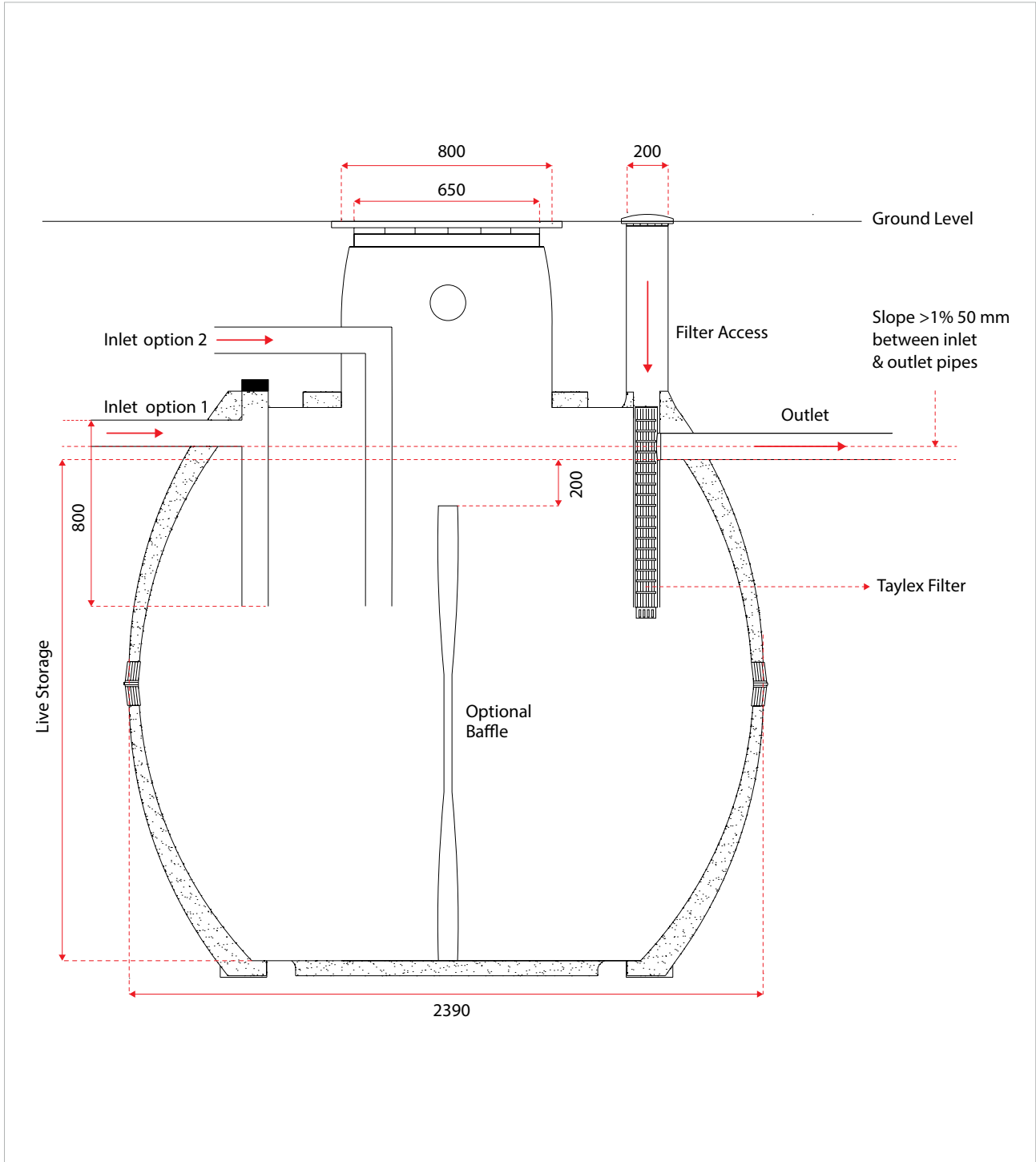
| Product Code | Description |
|--------------|----------------------------------|
| 1514.100.88 | Septic tank junction |
| UNI100 | 100 Ø Uni Seal |
| 1515.100 | 100 Ø Fresh air inlet (mushroom) |
| 136.100TB | 100 Ø Threaded base |
| 136.100TC | 100 Ø Threaded Cup |
| SEPTF1800 | Septic Tank Filter T1800 |

Multiple tanks can be used for larger requirements

| Capacity (litre) | Length (mm) | Width (mm) | Height (mm) | Weight (kg) |
|------------------|-------------|------------|-------------|-------------|
| 2700 | 2080 | 1565 | 2010 | 145 |
| 3750 | 2280 | 1755 | 2200 | 175 |
| 4800 | 2280 | 1985 | 2430 | 220 |
| 6500 | 2390 | 2190 | 2710 | 260 |



FIG. 2 Recommend tall turret for all applications



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Disclaimer: While every effort has been made to ensure that the information in this document is correct and accurate, users of Hynds product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by Hynds unless expressly stated in any sale and purchase agreement entered into between Hynds and the user.