



# Carat Plastic Septic Tanks

Technical Guide WW 7

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



03.25 | 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

## Sustainability

Customisable for climate-resilient infrastructure

## Quality/Environment/Health & Safety

ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018

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### Design Specifications

- 2700, 3750, 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.

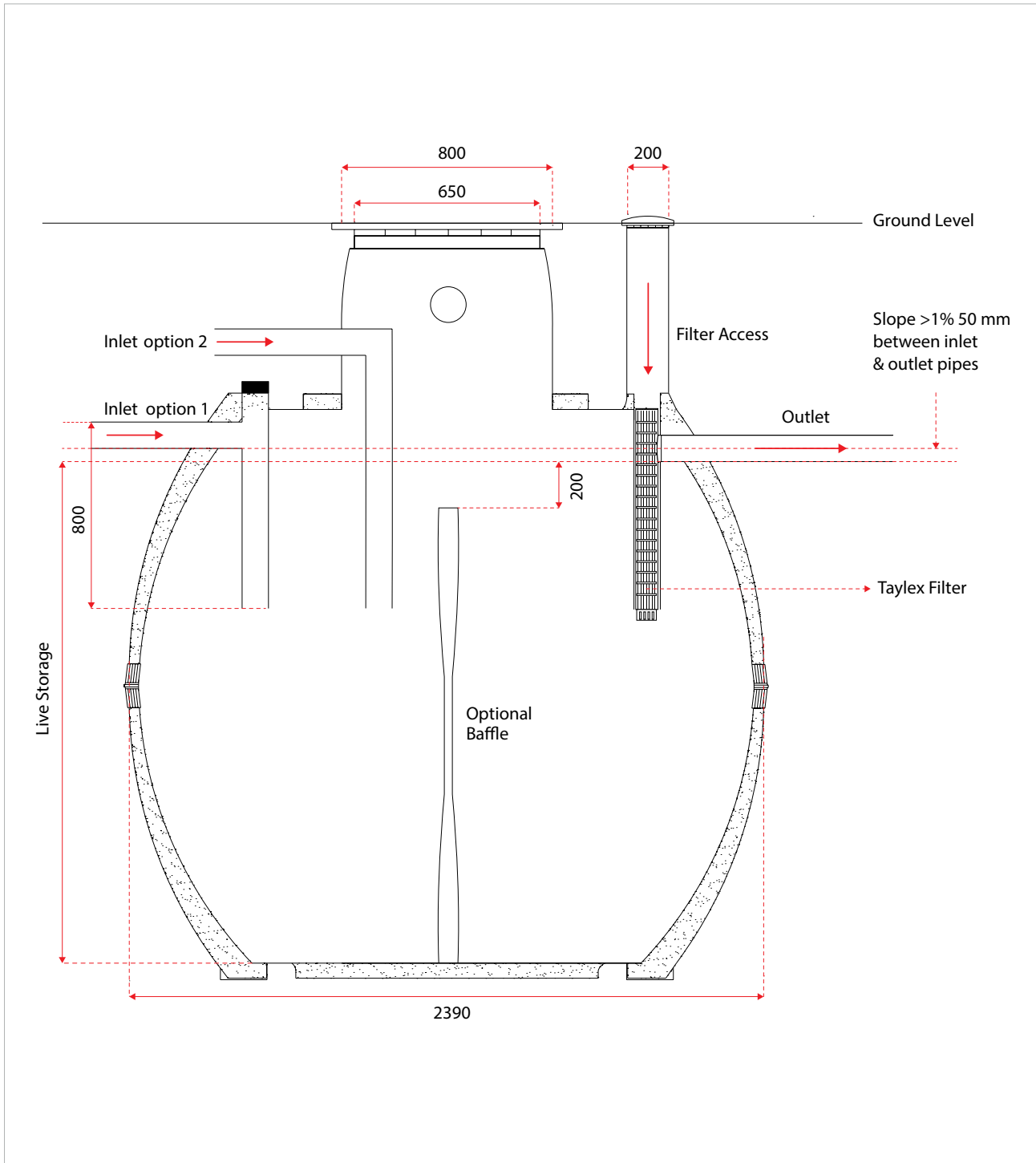
| Product Code | Description                      |
|--------------|----------------------------------|
| 1514.100.88  | Septic tank junction             |
| UNI100       | 100 Ø Uni Seal                   |
| 1515.100     | 100 Ø Fresh air inlet (mushroom) |
| 136.100TB    | 100 Ø Threaded base    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

*Multiple tanks can be used for larger requirements*

| Capacity<br>(litre) | Length<br>(mm) | Width<br>(mm) | Height<br>(mm) | Weight<br>(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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