

**WADE
CONCRETE
PRODUCTS**

4,500L CONCRETE SEPTIC TANK



MADE FOR THE JOB

Wade's 4,500 litre concrete septic tank provides primary treatment of household wastewater before the liquid effluent passes into the property's disposal field.

Manufactured locally in Dargaville, the tank is available in single chamber, double chamber and double chamber with pump chamber configurations. Every tank includes a T1800 outlet Bio Filter to help prevent larger suspended solids from entering the disposal field.



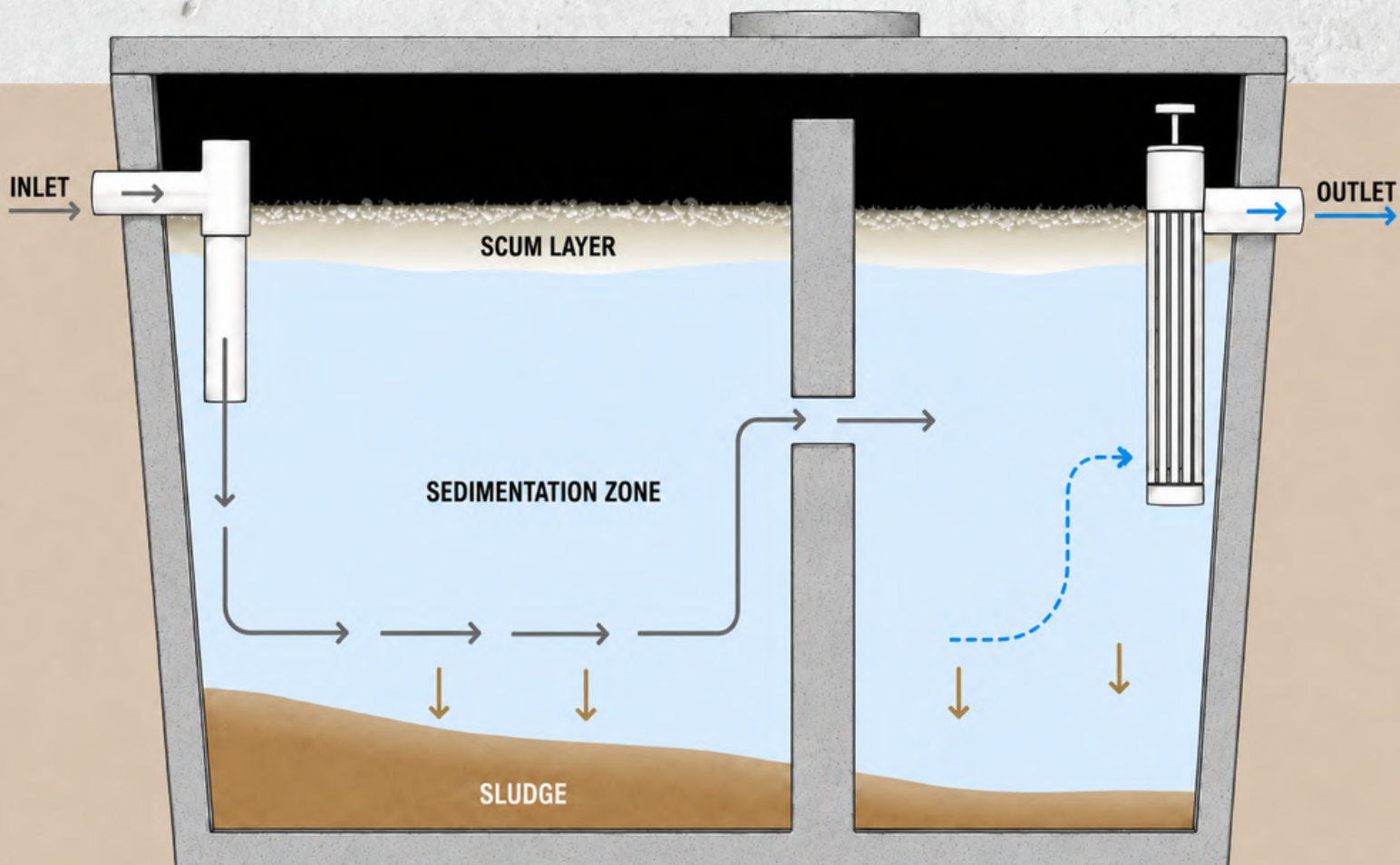
HOW A SEPTIC TANK WORKS

What happens inside the tank?

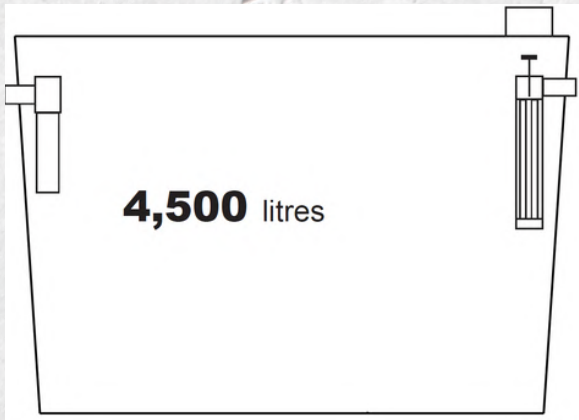
Wastewater from the home enters the septic tank and separates into three main layers

1. Sludge: Heavier solid material settles to the bottom of the tank.
2. Liquid effluent: The liquid remains between the sludge and surface layers before flowing through the outlet.
3. Scum: Fats, oils and lighter material rise to the surface.

Naturally occurring bacteria inside the tank help break down some of the solid material. The remaining liquid passes through the outlet Bio Filter and into the disposal field, where further treatment takes place.

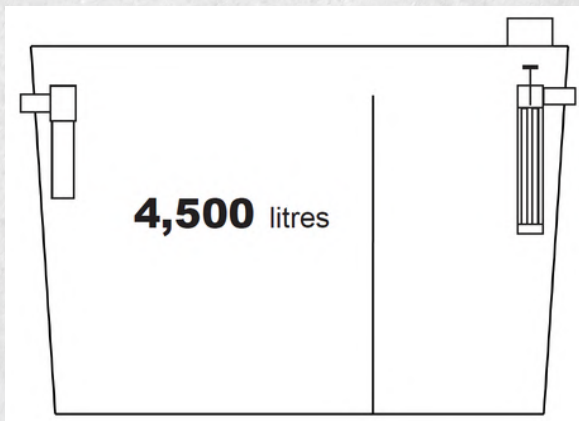


CHOOSE THE RIGHT CONFIGURATION



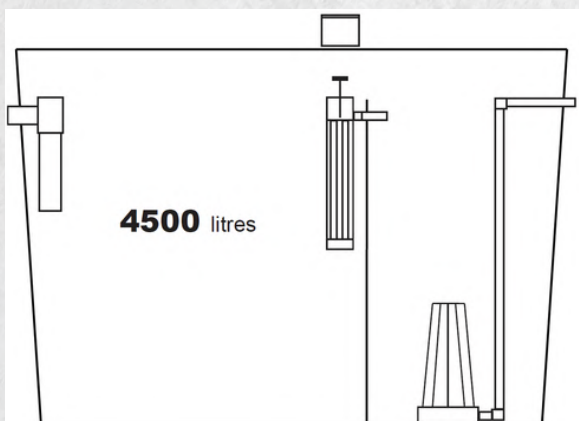
Single chamber septic tank

A straightforward 4,500 litre septic tank configuration for residential wastewater systems where a single chamber design is suitable.



Double chamber septic tank

An internal dividing wall creates a second settling stage, helping reduce the amount of suspended material reaching the outlet filter and disposal field.



Double chamber with pump chamber

Includes a separate chamber suitable for fitting a wastewater pump where the site does not allow the effluent to discharge by gravity.

Talk to your wastewater contractor or plumber about selecting and installing the right pump, controls and alarm for your system design.

PRODUCT FEATURES

Dependable concrete construction

- 4,500 litre nominal capacity
- Precast concrete construction
- Single or double chamber configurations
- Pump chamber configuration available
- T1800 outlet Bio Filter included with every tank
- Separate precast concrete lid
- Access points for inspection and maintenance
- Suitable for up to 150 mm of soil cover above the standard lid
- Manufactured locally in Dargaville
- Ten-year workmanship warranty, subject to the warranty conditions
- Additional options such as anti-flotation feet and trafficable lids are available

Wade's warranty covers damage caused by poor workmanship for ten years from the purchase date and applies to the original purchaser.



TECHNICAL SPECIFICATIONS

WADE 4,500 LITRE CONCRETE SEPTIC TANK

Specification	Detail
Nominal capacity	4,500 litres
Length	2,440 mm
Width	1,700 mm
Tank height	1,850 mm
Approximate total height with lid	2,000 mm
Inlet height	1,650 mm
Outlet height	1,550 mm
Approximate total weight	3.25 tonnes
Standard lid	Non-trafficable precast concrete
Maximum soil cover	150 mm above the lid
Outlet filter	T1800 Bio Filter included
Available configurations	Single chamber, double chamber, double chamber with pump chamber

Inlet and outlet measurements are taken from the base of the tank to the bottom of the pipe. Please allow a manufacturing tolerance of approximately 15 mm.

LID AND LOADING REQUIREMENTS

Standard non-trafficable lid

The standard septic tank is supplied with a non-trafficable concrete lid. The tank can be installed with up to 150 mm of soil cover above the lid.

The tank must not be positioned beneath driveways, vehicle accessways or areas exposed to vehicle or other heavy loads.

Bespoke trafficable lid

A trafficable lid may be designed and manufactured for specific projects. This is not a standard product and must be discussed with Wade Concrete Products before ordering so the required loading and engineering requirements can be established.



INSTALLATION

Preparing for installation

The septic tank must be installed in accordance with the approved wastewater system design and relevant local authority requirements.

Important installation considerations include:

- Install the tank level on a properly prepared, stable base.
- Divert stormwater and surface water away from the tank and disposal field.
- Position the tank where it remains accessible for inspection, filter cleaning and pump-out.
- Do not exceed 150 mm of soil cover above the standard lid.
- Do not allow vehicles or heavy equipment to travel over the standard lid.
- Take appropriate measures to prevent ground movement and tank flotation.
- Ensure inlet, outlet and overflow pipework is installed correctly.

Placement is handled by the customer's suitably equipped contractor. Wade Concrete Products can recommend experienced local contractors where required.

The Wade warranty excludes damage caused by inadequate site preparation, ground movement, flotation, installation damage and loads exceeding the capacity of the lid.



ROUTINE MAINTENANCE

Looking after your septic system

Regular maintenance helps protect the septic tank, Bio Filter and disposal field.

- Have the tank emptied approximately every three years, or sooner if required.
- Inspect and clean the T1800 Bio Filter every six months.
- Keep tank access points clear for inspection and pump-out.
- Keep a record of inspections, filter cleaning and tank pump-outs.
- Regularly check the disposal field for wet or saturated ground.
- Arrange an inspection if there are unpleasant smells, slow drains, wastewater backing up or liquid surfacing near the disposal field.

We recommends emptying the tank routinely and checking the outlet filter every six months.



PROTECTING THE SYSTEM

What should not go into a septic tank?

A septic tank should not be treated as a general waste disposal system.

Avoid putting the following into the system:

- Cooking fats, oils and grease
- Wet wipes
- Nappies and sanitary products
- Paper towels
- Cloth, fibres and other non-degradable materials
- Food scraps and coffee grounds
- Paint, solvents, fuel and oil
- Pesticides and harsh chemicals
- Medicines and antibiotics
- Large amounts of bleach or antibacterial cleaner
- Stormwater, roof water or surface drainage

Normal household cleaning products should be used in moderation and should preferably be labelled as suitable for septic systems.



WORKMANSHIP WARRANTY

Wade Concrete Products provides a ten-year warranty covering damage caused by poor workmanship, subject to the full warranty conditions.

The warranty does not cover damage caused by matters including:

- Incorrect or inadequate site preparation
- Incorrect installation
- Ground movement or undermining
- Tank flotation
- Damage during transportation or placement
- Moving the tank after installation
- Exceeding the load capacity of the lid
- Repairs carried out by unauthorised people
- Natural events such as flooding or earthquakes

Full warranty conditions are available from Wade Concrete Products.

Product dimensions and weights are approximate and should be confirmed where critical to installation. Septic tank selection, wastewater system design and installation requirements vary between sites. Customers should obtain advice from a suitably qualified wastewater designer, installer and relevant local authority before ordering or installation.



CONTACT US

Contact Wade Concrete Products to discuss tank configurations, site access, delivery requirements and suitable local installation contractors.



09 439 8151



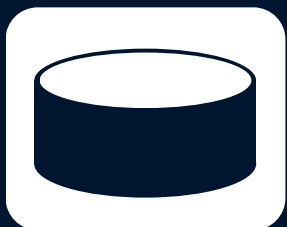
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ABOUT WADE CONCRETE

Wade Concrete has been part of Dargaville since the 1970s. For decades, the business has made the concrete products people across Northland rely on every day, from water tanks and troughs to septic tanks and retaining walls.

Wade makes strong concrete products, gives honest advice and helps customers find a solution that suits the job.



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Dargaville 0310



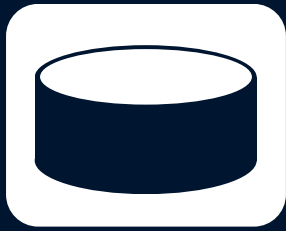
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QUALITY CONCRETE PRODUCTS



**BUILT STRONG.
BUILT TO LAST.**

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