Tiny Homes & Cabins

Freshwater & Wastewater Solutions



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Tiny Homes & Cabins

Freshwater & Wastewater Solutions

Question: If I am putting my tiny home / cabin in a location where there is no water or

wastewater / sewage connections or facilities available and I am not

approaching local authorities or councils for a resource consent what do I do?

Answer:

TT Plastics have a range of simple solutions available for your fresh water and wastewater/sewage requirements.

TT Plastics offer you free expert advice about:

- Packages to suit your needs
- Septic tanks for wastewater and sewage
- Pump chambers for pumping sewage if required
- Distribution cesspits
- Water tanks
- · Accessories to make it all happen



LEGAL LIABILITY:

It is the sole responsibility of the Purchaser to ensure the tank is legally compliant for the intended application and whether certification/consent is required by the relevant authority/council for the actual proposed application.



Recommended Packages

For properties with no amenities

Intermittent Stays in a tiny home / cabin 1-2 people:

Water tank size - 1,100 – 3,000 litre

Water pump - HJ100
Medium pump cover - PCM
Septic tank size - 550 litre

Weekend or holiday tiny home / cabin 1-2 people:

Water tank size - 5000 litre
Water pump - HJ100
Medium pump cover - PCM
Septic tank size - 1,100 litre

Weekend or holiday tiny home / cabin 2-4 people:

Water tank size - 13,500 litre
Water pump - HJ100
Medium pump cover - PCM
Septic tank size - 2,100 litre

1 - 2 people residing permanently in tiny home / cabin:

Water tank size - 13,500 litre
Water pump - HJ100
Medium pump cover - PCM
Septic tank size - 2,100 litre

2 - 4 people residing permanently in tiny home / cabin:

Water tank size Water pump Medium pump cover Septic tank size 25,500 litre
HJ100
PCM
3,500 litre

Note: All products can be purchased individually or as a package.









Septic Tanks

Product Information

4 Sizes Available:

550 litre, 1,100 litre, 2,100 litre and 3,500 litre

Septic tanks are a one chamber, non-consented unit that has been proven over 20 years to be successful for the distribution of black and grey water.

Septic tanks come complete with a septic filter and can be installed by a plumber or DIY method. Step by step installation instructions are supplied with your septic tank.

Recommended sizes for your use:

550 litre septic tank - would suit if you were only staying at the site the odd times e.g holiday home etc.

1,100 litre or 2,100 litre septic tank – Either tank is an option if there are 1 – 2 permanent residents. This septic tank is great whether your cabin comes with a macerator pump installed or not. TT Plastics will be glad to advise which option suits your situation.

3,500 litre septic tank - If living in your cabin full time and you are there throughout the day it would be advisable to choose this tank as it will be more beneficial and you can put all your grey and black waste through this system.

You may choose to put your grey water – e.g shower, basins elsewhere. You could use this water for your gardens etc.

Septic tanks are a gravity system and do not require power - Golden rule "It only flows downhill"

For your outlet you could use slotted drain coil or slotted PVC 100mm.

If your outward field is on a downward slope, put your field across the slope not down the slope. This will then distribute your black water evenly out along the slope.



Design:

TT Plastics Septic Tanks are designed for the holding & discharge of household sewerage. They have proved popular NZ-wide & are ideal for houses, baches, holiday homes, sleep outs, bush huts, cowsheds etc.

Hundreds of these Septic Tanks are in use in NZ with non-certification. It is at the purchaser's discretion to ensure the tank is suitable for the intended application, and whether certification is required for the proposed application.

Features:

- Simple single chamber design.
- Complete with 100mm inlet & outlet connection.
- Mushroom air vent & discharge bio filter.
- Easy to transport.
- Simple installation, full instructions provided.
- Pump/distribution chambers available.



Specifications:

550 litre Small Dwelling

1100mm high. 900mm Diameter.

1100 litre **Small Dwelling**

1000mm high. 1330mm Diameter.

2100 litre Medium Dwelling

1700mm high. 1330mm Diameter.

3500 litre **Full Size Domestic dwelling**

1520mm high. 1920mm Diameter.















Pump Chamber/Station

Product Information

4 Sizes available: 85 litre, 270 litre, 550 litre, 1,100 litre:

A pump chamber is used when your tiny home / cabin is below where you need to dispense your wastewater.

It means you can pump your black and grey water uphill to a septic tank or an existing wastewater / sewer pipe.

Depending on your situation TT Plastics will give you expert advice on what size chamber and which pump would suit your application best.

TT Plastics pump chambers are manufactured to heavy duty standards, meaning they can be completely buried if required.

See the pump chamber product information sheet for further details and specifications.

These pump chambers/stations are designed for discharge of sewerage and wastewater where gravity discharge is not possible.

- -Simple.
- -Effective.
- -Efficient.
- -Economical.
- -Bare chamber station or fully built up units.



Design:

Designed for sewerage and wastewater discharge where gravity feed is not possible. Compatible to septic tank systems.

Heavy duty, can be completely buried.

Easy to handle and install.

Options:

Three sizes for every situation: 270 litre, 550 litre, 1100 litre.

Choosing the best pump chamber for you:

- 1. Determine what chamber literage is required, ie: 550litre.
- 2. Determine the distance and height the discharge is to be pumped.
- 3. TT Plastics will advise which pump is appropriate for the determined situation.
- 4. TT Plastics will mount & install pump as required.
- 5. Additional inlets/outlets can be installed as required at the factory or on site.



Specifications:

270 litre: 790mm high, 710 Dia. 550 litre: 1100mm high, 900 Dia. 1100 litre: 1190mm high, 1330 Dia.







Distribution Cesspit/Chamber

Product Information

Design:

A distribution cesspit / chamber is specifically designed for where more than one outflow discharge line is required from the septic tank.

It is a simple compact unit which allows multiple connections for discharge lines going in different directions designed for above ground and in ground applications.

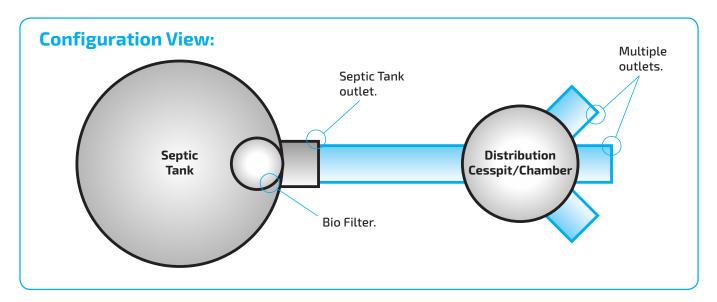
The cesspit / Chamber is fitted with a screw lid for easy internal access. Rubber seals on the outlets ensure waterproof connections and 100mm PVC pipe ready for connection to PVC or drain coil discharge piping.

See the distribution cesspit chamber product information sheet for further details and specifications.



Design:

TT Plastics distribution cesspit/chambers are specifically designed for above or in-ground storage and distribution of stormwater or septic tank discharge. Ideal for situations that require multiple discharge lines.











Water Tanks

CODE	SIZE	Weight
WT270	270 Litre (60 gallons)	10kg
	Height 750mm, Diameter 710mm	
WT425	425 Litre (94 gallons)	15kg
	Height 1200mmDiameter 700mm	
WT550	550 Litre (120 gallons)	16kg
	Height 990mm, Diameter 890mm	
WT900	900 Litre (200 gallons)	25kg
	Height 1380mm, Diameter 1000mm	
WT1000	1,000 Litre (220 gallons)	40kg
	Height 2100mm, Diameter 800mm	
WT1100	1,100Litre (240 gallons)	34kg
	Height 1 metre, Diameter 1330mm	
WT1800	1,800 Litre (400 gallons)	40kg
	Height 1400mm, Diameter 1330mm	
WT2100	2,100 Litre (460 gallons)	50kg
	Height 1700mm, Diameter 1330mm	
WT3000	3,000 Litre (666 gallons)	75kg
	Height 1500mm, Diameter 1800mm	
WT3750	3,750 Litre (830 gallons)	100kg
	Height 1500mm, Diameter 1920mm	
WTS2000	2,000 Litre Slimline (440 gallons)	100kg
	H 1800mm, L 2200mm, W 700mm	
WTS3000	3,000 Litre Slimline (600 gallons)	125kg
	H 1800mm, L 2600mm, W 850mm	
WTS4000	4,000 Litre Slimline (880 gallons)	140kg
	H 2100mm, L 2900mm, W 870mm	
WTS5000	5,000 Litre Slimline (1100 gallons)	100kg
	H 2100mm, L 2300mm, W 1370mm	
WT5000	5,000 Litre (1110 gallons)	100kg
	Height2250mm, Diameter 1800mm	

CODE	SIZE	Weight
WT9000	9,000 Litre (2000 gallons)	150kg
	Height 1750mm, Diameter 2800mm	
WT10000	10,000 Litre (2200 gallons)	175kg
	Height 2900mm, Diameter 2200mm	
WT13500	13,500 Litre (3000 gallons)	200kg
	Height 2500mm, Diameter 2800mm	
WT25000	25,000 Litre (5500 gallons)	375kg
	Height 3000mm, Diameter 3500mm	
WT30000	30,000 Litre (6600 gallons)	475kg
	Height 3100mm Diameter 3800mm	
WTFS1500	1,500 Litre Fat Sam (396 gallons)	75kg
	Diameter L2350 x D1600 x H550mm	
WTFS2000	2,000 Litre Fat Sam (396 gallons)	85kg
	Diameter L2350 x D1600 x H700mm	
WTSJ1000	1,000 Litre Slim Jim (220 gallons)	75kg
	Diameter L2350 xW325 x H1800mm	
WTSUB5000	5,000 Litre Underground (1100 gallons)	300kg
	Height 2400mm, Diameter 2200mm	

NB// 1m2 of roof area and 1mm of rain = 1 litre of water

Explanation:

When it rains - 1m2 of your roof area per 1mm of rain will give you 1 litre of water into your tank.





Accessories

Septic Tanks:

- · Drainage Coil
- PVC piping

Pump Chambers:

- PVC piping
- · Submersible pump
- Water pipe
- High level alarm (optional)

Distribution cesspits

- Rubber seals
- PVC piping
- Drain coil

Water Tanks:

- PVC piping & joiners
- Water pipe
- Taps
- · Water pipe connectors
- Water pump
- · Pump covers







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