



# FULLY ENGINEERED AND PATENTED DESIGN THAT PROVIDES THE PERFECT SOLUTION FOR WATER STORAGE



# THE KLIPTANK STORY

Developed in 2008, KlipTank produced New Zealand's first patented above ground, clip-together, liquid storage tank. We pioneered above ground dairy effluent storage in New Zealand, providing a more compliant, safer, more attractive storage option than traditional in-ground ponds.

Fifteen years on and we're now leaders in the field of water storage for agriculture, horticulture, municipal water, industrial, wastewater, fire water, mining and energy in New Zealand, with a growing global demand for our innovative products.

KlipTank is now led by co-founder and shareholder Kim Henderson, an entrepreneur who has developed multiple businesses globally. Our purpose-built factory was one of the first in the thriving Tauriko Business Estate in Tauranga.

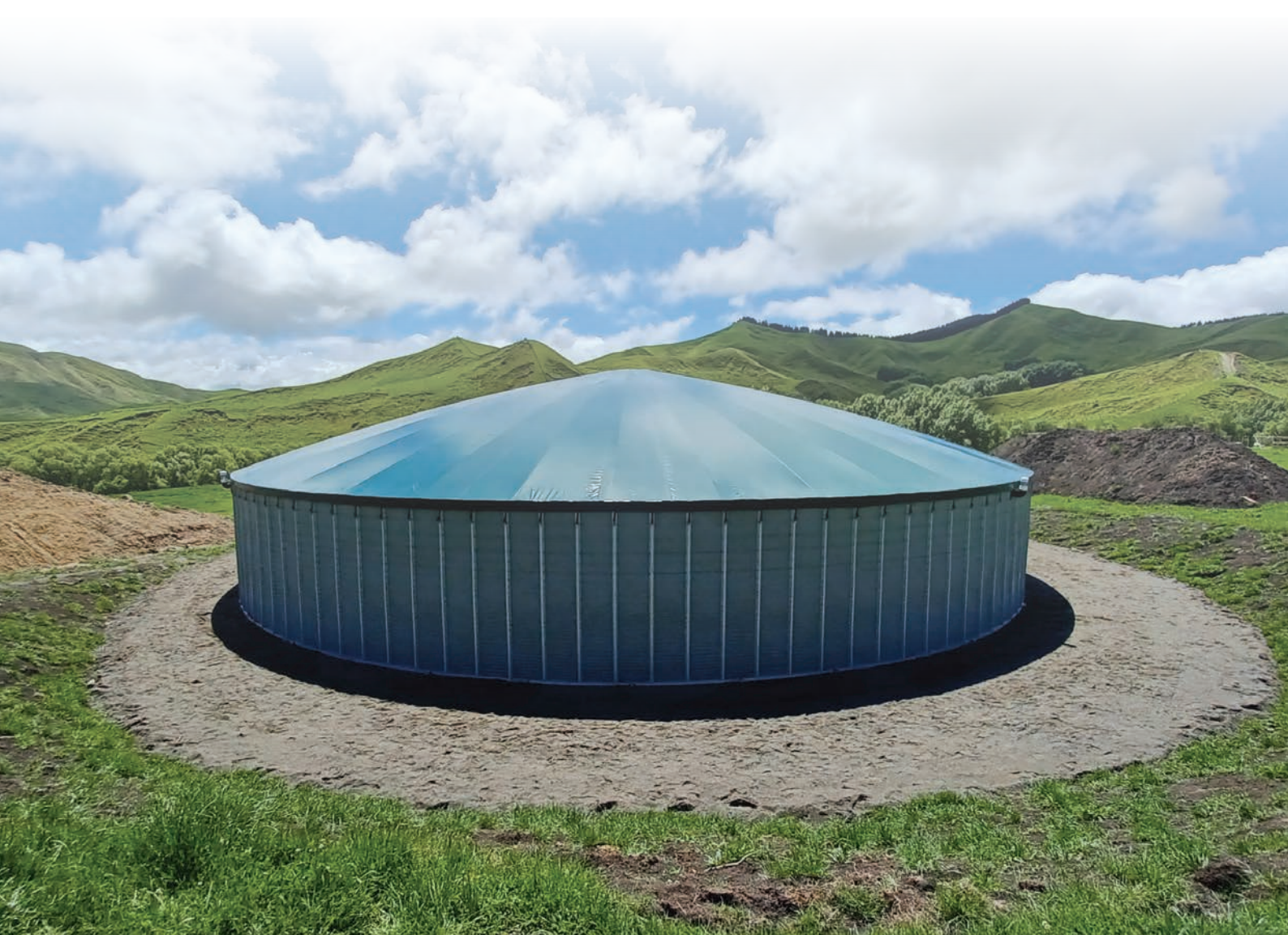
The city is home to New Zealand's largest and busiest port, servicing horticultural and farming businesses across the Bay of Plenty and neighbouring Waikato regions.

Proud to be New Zealand designed, engineered and manufactured, we provide effluent and water storage solutions that are customised to your requirement, and available in uncovered, covered and trussed roofs ranging up to a capacity of six million litres.

Since 2009, we have sold more than 700 effluent storage tanks to dairy farmers across New Zealand and Australia. Meanwhile, our water storage solutions cater to multiple markets locally and abroad, with several material options.

Our satisfied clients range from lifestyle block owners, farmers, and orchardists right through to large scale commercial organisations, councils and construction companies looking for liquid storage security for their own property or community.

KlipTank's export business serves multiple global markets, including sending 280 flat-packed KlipTanks to the Marshall Islands where the United Nations are providing water tanks and rain harvesting systems to remote communities.



# THE HISTORY OF KLIPTANK

**2007**

KlipTank inventor Neil Peterken creates a KlipTank prototype and begins testing.

**2009**

KlipTank is launched into the New Zealand market.

**2010**

KlipTank first appears at the National Field Days. The Bay of Plenty Times reports on dairy farmers turning to an innovative, prefabricated tank system, designed and manufactured in Tauranga, for a quick, efficient and long-term solution to their effluent holding problems.

**2012**

First Truss Roof Covered KlipTank.  
First Dairy Effluent KlipTank installed with a floating cover to exclude rain catchment.  
First KlipTank sold into Australia.

**2016**

KlipTank releases the KlipJet Oxy Aerator Stirring System which allows the tank contents to be stirred and aerated effectively treating the waste liquid prior to irrigating on to pastures or disposal into council sewerage or waterways.

**2015**

First KlipTank sold into Thailand.

**2014**

First KlipTank sold into Chatham Islands.  
First Fire Water KlipTank constructed in a confined space building cavity.  
First KlipTank installed using a "Floating Pad" foundation on very deep peat.

**2013**

First KlipTank sold into Pacific Islands – Fiji, Rarotonga, Kiribati, Samoa.  
First KlipTank sold into Hawaii.  
First KlipTank installed on peat.

**2018**

First KlipTank sold into Papua New Guinea.  
First "Stacker" KlipTank - 6m high used to provide expanded volumes on restricted footprint sites.

**2020**

The KlipTank team head to Winton in the deep south to install our largest ever tank. A 5.6 million litre open top tank that is 49 metres in diameter and 3 metres high.

**2021**

KlipTank is purchased by existing director and shareholder Kim Henderson and NZNG Fund No 1 Ltd.  
The KlipTank construction method is re-designed. These revolutionary changes remove the requirement for specialised machinery and staff on each install site, opening the door to the export market and increased efficiency during manufacture and installation.

**2024**

KlipTank reach a milestone of producing over 1,000 tanks to the New Zealand and international market.

**2023**

KlipTank launches the unique floating tank cover which adjusts with the level of the liquid, eliminating evaporation and enhancing water storage capacity.  
KlipTank launch their new Lifestyle Tank™ range for water security on horticulture lots and lifestyle blocks.  
KlipTank become the exclusive agents for Tank Vision products in the New Zealand market. This partnership provides a steel bolted tank solution for a range of industries including healthcare, retail, residential, industrial, mining and data storage facilities.

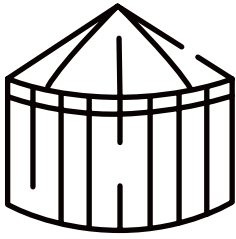
**2022**

KlipTank won the tender to deliver 280 KlipTanks to the United Nations (UN) for rainwater harvesting in the Republic of Marshall Islands. This three-year project is led by the United Nations Development Programme. KlipTank's flatpack design means our tanks can be shipped to the Marshall Islands, offloaded into small boats and delivered to remote communities for the storage of drinking water.

# BENEFITS OF A KLIPTANK

FEATURES	BENEFITS
<b>Flat-pack design</b>	Our patented design allows delivery of flat-packed tank components directly to site, making it easy to transport and assemble on different sites, including size-restricted areas and challenging terrains like hills or basements.
<b>Quick to erect</b>	KlipTanks can be installed within 1-7 days reducing installation costs and time.
<b>No concrete foundation required</b>	No expensive groundwork is required for installation, making them quick and easy to build and reducing your carbon footprint.
<b>Ability to build on most soil types</b>	KlipTanks can be built on most soil types, making them the ideal storage option for soft soils, high water tables and flood plains.
<b>Trussed roof with UV blocked PVC cover</b>	Our Trussed Roof Tanks have a 15-degree pitch on them ensuring effective rain runoff, they are vermin and insect proof and as the PVC cover has UV blockers in it no algae grows in the water.
<b>Multiple sizes/ configurations available</b>	KlipTanks can hold up to 6 million litres of liquid. Talk to us about your specific needs and we can come up with a customised option to suit.
<b>Relocatable</b>	KlipTanks can be easily moved if your circumstances change, making them a great option for temporary storage solutions.
<b>Covered and uncovered options</b>	All KlipTanks are able to be fitted with a range of customised cover options to suit your requirements.
<b>Made in New Zealand</b>	Our Tauranga based staff can provide full support right through from pre-sale technical support to after-sales warranty and technical support. If you have any issues, we are here to help.
<b>Neutral colour options</b>	KlipTanks come in neutral colours that blend into their surrounding environments.
<b>Modular design</b>	Our modular design handles ground movement well with proven earthquake performance, providing a sturdy and reliable storage option.
<b>Above ground</b>	Choosing an above ground storage option avoids water table issues and provides peace of mind around safety.
<b>Non-corrosive material</b>	KlipTanks won't rot or rust and can be used in high salt-exposure environments.
<b>Sustainability</b>	Our tanks are made with the environment in mind. KlipTanks are a great sustainable option to minimise wastage of water.
<b>Virtually maintenance free</b>	KlipTanks are easy to use and require minimal workload once installed.
<b>Export friendly</b>	Its flat-pack design simplifies containerisation for export, ensuring easy global deployment and reducing freight volume, helping cut costs.
<b>25-year design life</b>	Our KlipTanks come with a 25-year design life providing long term peace of mind.

# TYPES AND SIZES

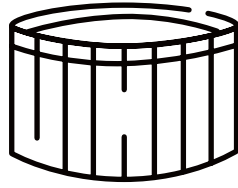


## TRUSSED ROOF TANKS

**Max Volume:** 1 million litres

**Height:** 3m (option for 6m with a smaller footprint)

**Max Diameter:** 22m

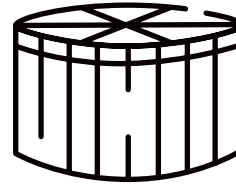


## UNCOVERED TANKS

**Max Volume:** 6 million litres

**Height:** 3m

**Max Diameter:** 48.9m

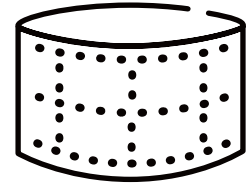


## COVERED TANKS

**Max Volume:** 6 million litres

**Height:** 3m

**Max Diameter:** 48.9m



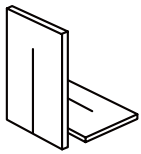
## STEEL BOLTED TANKS

Modular Water Panel Tank Round Tank

**Custom designed volumes and dimensions**

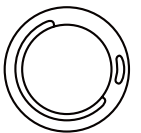
## MATERIALS

KlipTanks are a composite tank design that utilise the advantages of a variety of construction materials to make lightweight yet robust and durable storage tanks.



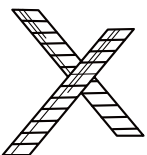
### Walls

HDPE panels with UV inhibitors (thickness 4.5mm) with PVC extruded uprights.



### Top and Bottom Rings

Aluminium (can be used in certain marine applications. Grade 6106 T5/ T6).



### Wire Ropes

Double galvanized wire rope with stainless steel swage ends and bronze connecting turnbuckles are customised according to the specific liquid storage requirement.



### Liner

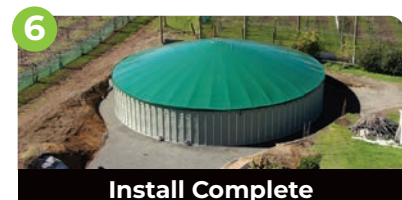
Liners are customised according to the specific liquid storage requirement.



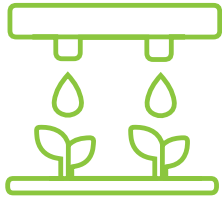
### Roof Cover

Available in UV block out, stabilised PVC cover and hard roof cover options.

## INSTALLATION PROCESS



# HORTICULTURE APPLICATIONS



## IRRIGATION

KlipTank provides an ideal water storage solution for horticultural irrigation, ensuring consistent water availability during critical periods. Designed to meet a variety of irrigation needs, KlipTanks can be customised as open-top tanks with floating roof covers, offering capacities of up to 6 million litres. Alternatively, trussed roof tanks with a capacity of up to 1 million litres are available for enclosed storage requirements. These versatile options make KlipTanks suitable for diverse applications, helping growers store sufficient water to maintain productivity even during times of scarcity. By offering durable and high-capacity storage solutions, KlipTanks support sustainable and efficient irrigation systems.



## DRINKING WATER

KlipTank provides reliable storage for rainfall catchment and drinking water, ensuring a clean and uncontaminated supply. Manufactured from durable HDPE with a 25-year design life, these tanks feature a trussed roof with UV block-out, vermin-proof and dust-proof options. With capacities of up to 1 million litres for 3m high tanks (and 6m high options for smaller footprints), KlipTanks are a dependable solution for long-term water security. Ideal for a range of industries and applications, these tanks help preserve water quality and provide peace of mind, even in challenging environmental conditions.



## FROST PROTECTION

Frost protection is crucial for orchards in frost-prone regions as part of an effective management plan. Water spraying is a common technique to protect plants by maintaining optimal temperatures and preventing frost damage. As a result, a KlipTank is an excellent water storage solution for this application as frost protection often demands significant volumes of water in excess of what is readily available from bore flow rates or allowable river takes. By collecting and storing water in advance, KlipTank provides a reliable water source during both frost events, as well as for general irrigation purposes enhancing orchard efficiency year-round.



## RURAL FIRE WATER STORAGE

Water storage tanks play a critical role in high-risk areas prone to wildfires, such as forestry reserves, conservation areas and camping grounds. Our rural fire water tanks can be used by firefighters, either by connecting to fire appliances or enabling helicopter monsoon bucket operations. Strategic placement of a KlipTank in high-risk zones ensures rapid water deployment, reducing response times and minimising the strain on other water supplies. By providing an accessible water source, these tanks enhance firefighting efforts and improve resilience in rural and forestry communities.



### GREY WATER STORAGE FOR MUSHROOM FARMS

Mushroom farms benefit significantly from recycling water for both compost production and cleaning processes. Clean processing water and rainwater are collected, reused and incorporated into compost production, while water runoff from compost is also captured to maintain optimal moisture levels. This closed-loop water system maximises efficiency, reducing water usage and minimising environmental impact. KlipTank offers an ideal solution for capturing, storing and recycling water, helping mushroom farms optimise their resources and lower their operational footprint while maintaining high levels of production sustainability.



### VEGETABLE WASH WATER

Vegetable washing requires significant water volumes, often exceeding allowable takes or incurring high costs for utilising town supply water. KlipTank enables growers to store water efficiently, reducing dependency on town supply and ensuring adequate volumes for peak washing demands. Additionally, wastewater from vegetable washing can be stored and released at controlled rates to comply with municipal wastewater system regulations. By providing a flexible, cost-effective storage solution, KlipTank helps streamline operations, reduce water-related costs and meet environmental compliance requirements for vegetable producers.



### WATER IRRIGATION FOR GOLF COURSES

Golf courses face unique challenges with water supply, particularly in summer when demand peaks, and restrictions or costs of town-supplied water rise. Limited access to alternative water sources, such as roof catchments or bore flows, can easily exacerbate the issue. A KlipTank provides a reliable irrigation solution, allowing clubs to store water when supplies are scarce. Additionally, fire regulations often require golf clubs to have on-site fire water storage for their clubhouse or maintenance sheds. KlipTank offers dual-purpose tanks with separate outlets, ensuring adequate water for both irrigation and fire compliance needs, delivering cost-effective and regulatory-compliant solutions for golf clubs.

**Enjoy hassle-free maintenance with KlipTank. We provide comprehensive support to keep your tank and fittings in optimal condition, ensuring years of reliable performance.**

### KlipTank Warranty

**Our Warranty and T&Cs are available to view on our website.**



# PRODUCTS & SERVICES



## TRUSSED ROOF TANKS





Trussed Roof Tanks are a great choice for drinking water storage. With UV block-out cover or hard roof cover options and easy installation, they offer a cost-effective option for various applications.

- 
**Versatile and Efficient**  
 Trussed Roof Tanks are perfectly suited for community water storage, irrigation, firefighting, and rainwater capture. They offer a dependable solution for all your water storage needs.
- 
**Clean Drinking Water Guaranteed**  
 Rest easy knowing that Trussed Roof Tanks come equipped with UV block-out or hard roof cover options that are vermin and dust proof. This ensures that your drinking water remains clean and uncontaminated, no matter the conditions.
- 
**Tailored to Your Specifications**  
 At KlipTank, we understand that every project is unique. That's why our tanks are engineered to meet your specific needs and site conditions. Leave the customisation to us and enjoy a hassle-free water storage solution.
- 
**Simplified Consent Process**  
 We value your time and convenience. If needed, we take care of the building process for you. Sit back and relax, knowing that the necessary paperwork is handled efficiently by our team.
- 
**Flexible Sizes to Suit Your Needs**  
 Choose from heights ranging up to 6m high, with a volume of up to 1 million litres. Trussed Roof Tanks can be customised to fit your specific requirements, ensuring the perfect fit for your water storage demands.
- 
**Easy to Transport and Install**  
 With their modular design and lightweight construction, Trussed Roof Tanks are easy to transport even to remote locations. Installation is a breeze, allowing for quick and convenient setup wherever you need it.

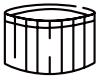


## COVERED TANKS

Upgrade your KlipTank with our practical Floating Roof Cover to minimise evaporation, prevent algae growth, and contamination. The unique design of the Floating Roof Cover adjusts to the tank liquid level.






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**Maximise Efficiency with Floating Roof Covers**  
 Eliminate evaporation and algae growth and ensure reliable storage.
- 
**Tailored to Your Specifications**  
 Our Covered Tanks can be built up to 6m high, accommodating volumes of up to 6 million litres. We engineer each tank to meet your specific site requirements.
- 
**Simplified Consent Process**  
 We handle the building consent process on your behalf if needed, saving you time and effort.
- 
**Choose Quality and Reliability**  
 Our Floating Roof Covers meet rigorous standards, providing efficient water storage with minimal maintenance.





## UNCOVERED TANKS

Uncovered Tanks are the reliable choice for your dairy effluent, raw water storage and agricultural waste storage solutions.

- 
**Versatile and Practical**  
 Uncovered Tanks offer a versatile solution for a range of applications. Whether you need a washout bay for truck yards or a rainfall catchment system, our tanks are up to the task. With their large surface areas, they provide ample space to meet your specific needs.
- 
**Tailored to Your Specifications**  
 Uncovered Tanks come in a range of heights, including 2m, 2.4m and 3m, accommodating for volumes of up to 6 million litres. This allows you to choose the perfect fit for your available area and volume requirements. Our tanks are engineered specifically for your site, ensuring optimal functionality and efficiency.
- 
**Meeting Industry Standards**  
 At KlipTank, we prioritise quality and compliance. You can trust our tanks to deliver exceptional performance and adhere to industry best practices.
- 
**Easy Installation on Any Terrain**  
 We understand the challenges of varying soil conditions. That's why Uncovered Tanks can be installed on most soil types, including peat, high water table areas, and soft soils.
- 
**Simplified Consent Process**  
 Navigating the consent process can be daunting. With Uncovered Tanks, we have you covered. Our team takes care of the building consent process on your behalf, providing you with peace of mind and saving you valuable time and effort.



## STEEL BOLTED TANKS

As proud partners and exclusive agents of Tank Vision, we offer high-quality water storage solutions for customers across New Zealand and the Pacific.

KlipTank is the go-to choice for industries seeking on-site water security. Whether you're in healthcare, retail, residential, industrial, mining, transport, or data storage, we have the perfect water tank storage solution for you.

### Steel Bolted Round Tank

Designed with a circular shape, these tanks are ideal for large volume solutions. Equipped with the safest jacking system in the industry, powered by a fully-mobile hydraulic self-levelling pump, we ensure utmost safety and ease of use.

### Steel Bolted Modular Water Panel Tanks

Our Steel Bolted Modular Water Panel Tanks come in various options including modular rectangle, square, or stepped tanks. Coupled with Tank Vision's unique 'Tank-Tough' system, these tanks are the strongest in the industry.

### Applications of Steel Bolted Tanks

- **Hydrant Tanks:** Meet regulatory requirements and provide the water supply needed for hydrant systems.
- **Rainwater Tanks:** Harvest and store rainwater for various purposes.
- **Sprinkler Tanks:** Provide reliable water source for fire suppression and sprinkler systems.
- **Mechanical Tanks:** Support mechanical systems with a dependable water supply.
- **Stratification/Insulated and Drinking Water Tanks:** Ensure optimal water quality and temperature for specific applications.
- **Chilled Water Tanks:** Maintain optimal temperatures and ensure efficient cooling processes.
- **Domestic Water Tanks:** Secure a steady water supply for residential needs.





## ACCESSORIES

Maximise the efficiency of your KlipTank with our range of customised accessories, designed to meet your specific requirements. From Base Drain Connections to Stainless Steel Fittings, we've got you covered.

### KEY ACCESSORIES FOR YOUR KILPTANK:



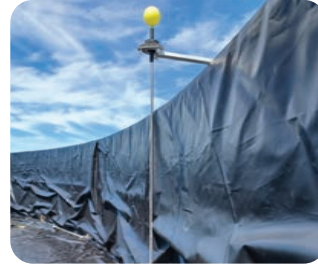
#### Base Drain Connections

Fully empty your tank when required with our base drain connections, ensuring complete drainage and minimal waste.



#### Additional Inlets and Outlets

Choose from a range of sizes, from 50mm up to 500mm, designed to ensure optimal flow rates.



#### Level Indicators

Keep track of your tank's level with our accurate and reliable digital and mechanical water level indicators, suitable for Covered and Uncovered Tanks.



#### Stainless Steel Fittings

Choose from a range of 304 and 316 stainless steel fittings, ensuring optimal quality and durability.



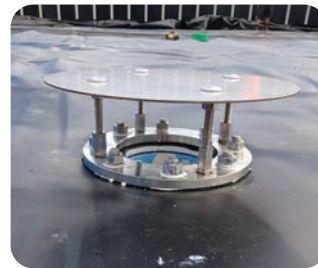
#### PTO and Slurry Tanker Connections

Save time and hassle with our easy-to-connect PTO and slurry tanker connections.



#### Tank Access Hatches

Reduce health and safety risks by minimising work at heights with our easy tank access hatches.



#### Anti-Vortex Plates

Achieve fast and efficient pumping out of your tank with our anti-vortex plates.



#### Valves and Other Pipework Fittings

Complement your equipment with our range of valves and pipework fittings.



#### Ground Anchors

Provide added stability in high-wind zones.



#### KlipJet

By introducing oxygen into the system, KlipJets promote ongoing aerobic biodigestion of the wastewater, accelerating its decomposition and reducing odours.



#### Ladders and Access Platforms

Steel or aluminium platforms and ladders, as well as wrap around staircases and walkways.



#### Ultrasonic Algae Control

LG Sonic systems use ultrasonic waves to disrupt algae buoyancy, starving them of sunlight, causing natural decomposition without toxins.

# FREQUENTLY ASKED QUESTIONS



## Do I need a concrete pad for a KlipTank?

No, you don't. Most of our tanks require a ground bearing of 90kPa unless we specify otherwise. Generally, you would remove the topsoil down to a hard base then build the tank pad with aggregate (GAP 65 or rotten rock for example) and a 60mm compacted layer of crusher dust or fines.



## Can the KlipTank be made larger later on if needed?

No, unfortunately not. As the volume of the tank increases, so does the diameter and circumference. This affects the curvature of the aluminum base and top ring, as well as the length of the wire ropes.



## Do we need to get a Building Consent for our KlipTank?

Yes, according to the New Zealand Building Code, any structure holding more than 35,000 litres requires a building consent. KlipTank will handle all the paperwork and lodge it on your behalf, and will pass on the council's charges at the end of your installation. This process ensures that a certified Engineer signs off on the tank design and conducts site-specific structural calculations for seismic, wind, and snow loadings.



## What warranty do you get with a KlipTank?

You will receive a 15-year warranty for your KlipTank. The tank liner carries a warranty as per the supplier of the manufacturer of the liner.



## Can a cover be added to an already built KlipTank?

In most cases, we are able to retrofit a cover. However, we will need to assess your tank to ensure that the work can be carried out.



## Can I install a KlipTank myself?

If you are purchasing a KlipTank Lifestyle Tank, you can install this yourself using our handy Lifestyle Tank Installation Guide. However, for other tank options, it is recommended to have trained professionals do the installation. Proper installation requires some special tools and training, and we have a quality assurance process that verifies certain processes during the installation, which is necessary to provide the warranty.



## Can a KlipTank be used on soft or unstable ground like peat?

Absolutely. KlipTank specialises in these situations. Our tanks are engineered to withstand subsidence and movement. Please note that customers will need to sign a waiver at the time of entering into an agreement, acknowledging the need for extra monitoring and the possibility of additional costs for site preparation and maintenance.



## Who can do my site preparation?

You have the option to do it yourself or hire a local contractor. We provide detailed instructions to make the process as easy as possible, and our Installation Manager is available for advice at any time.



## What are our payment terms?

Our standard trading terms are 40% upon signing the agreement, another 40% prior to tank dispatching, and a final 20% upon installation, with additional contract variations and associated council fees if applicable. Invoices have a seven day term. Commercial and export orders may vary, and this should be discussed prior to signing a contract.



## Can a KlipTank be moved and installed somewhere else?

Yes, it can. However, the tank must be empty and the liner thoroughly cleaned before the installation team arrives. If the new location is not on the same property, KlipTank can organise the building consent. To keep the warranty valid, KlipTank must decommission and reinstall your tank.



## Can I have extra inlets/outlets?

Absolutely! We can configure as many ports on the tank as you like and make them any size and type. Please reach out to us for more information.



## Can KlipTanks be resold?

Yes, they can. If you have a situation where the tank is only needed temporarily, we have tanks that can be resold within the warranty period. Depending on the market conditions at the time, we may be able to assist in reselling your tank.



**KLIPTANK**<sup>™</sup>  
THE BEST STORAGE SOLUTION

[WWW.KLIPTANK.COM](http://WWW.KLIPTANK.COM)

19 Poturi Street,  
Tauriko,  
Tauranga 3110,  
New Zealand



[info@kliptank.com](mailto:info@kliptank.com)  
**0800 255 222**