

Hydrosave FRP Underground Tanks



We design and manufacture the world's best tanks, collaborating with clients to deliver customised solutions.

CAPABILITY



Our Mission

We strive to deliver pioneering solutions and the safest tanks in the world.

We're achieving this objective by sharing expert knowledge with our customers, and by providing better access to specialist consultants, products and services. And by putting safety first.

Research & Development

Access better thinking. Our R&D department created world-class tanks made from fibre-glass reinforced plastic (FRP) — a material that provides clear benefits compared to traditional materials.

People

Access better people. Our relationships are as strong as our tanks. They're built on shared knowledge, deep consultation, exceptional service and aftercare that extends beyond installation.

Owned Manufacturing

Access better quality. Our design and manufacturing procedures are carefully controlled, and inspections are performed at every stage.

Safety & Compliance

Access better safety. Safety is at the heart of all our designs. We comply with the strictest regulations, including those mandated by the Environmental Protection Agency.

Knowledge

Access better smarts. With three generations of knowledge, 50+ years of experience and over 175 million litres of chemicals and liquids stored, no one knows tanks better than us.

Access Better Knowledge

SERVICES



Industry Pioneers

We're pioneers in this space, bringing unrivalled expertise to create a unique composite solution for each project. Our deep understanding of the nuances of many sectors enables us to manufacture the ideal tank for any environment.

Design & Consultation

Our in-house team works with you, providing customised advice and design services.

We understand that every project requires a unique solution. Our people work with you to select a tank that improves operations and delivers exceptional results.

Engineering

Our highly experienced engineers are experts in tank design and committed to delivering high-performance solutions.

We ensure your tank adds value, provides a safe environment, and meets all compliance requirements.

Manufacturing

Our state-of-the-art facility allows us to deliver solutions that meet deadlines and exceed expectations.

We've been manufacturing in-house since the 1970s, allowing us to maintain our high quality control standards at each step of the process.

Project Management

We offer complete project management and end-to-end service from design to installation and aftercare.

Our team can organise the foundation and civil work to prepare for installation. We can also supply and install various accessories, including ladders, platforms and more.

Certification & Security

We're a safety-first business. Quality control in-house and onsite has always been our priority.

We hold all the necessary certifications and meet the highest Australian safety and quality standards. Our strict quality management system is accredited to ISO9001:2008.

Installation

We manufacture our tanks in our factory. This means faster installation and fewer health and safety issues on site.

The lightweight tanks are easy to install and only require the external connection of pipework and electrical links.

Service & Support

Our support doesn't stop at installation; we also perform on-site inspections and repairs.

Our qualified team provides you with comprehensive reports and can help with troubleshooting, maintenance and spare parts.

Warranty

25 Years*

*for most applications

Tank & Silo Life Expectancy

50 Years



Hydrosave



Our Hydrosave underground tanks are custom designed for managing the complexities and need for safety in water projects.

Capacities

0.9m³ to 671m³

Diameter - 600m - 5m

Applications

- Rainwater Harvesting
- Stormwater Retention
- Sewer Overflow & Storage
- Chemical Spill Tanks
- Potable Water Storage
- Septic
- Fire-fighting Sprinkling Reservoirs
- AFFF Reservoirs.

Industries

- Civil Construction
- Residential & Commercial Construction
- Utilities
- Recreation
- Mining
- Municipal Market

Accessories

- Above ground & submersible pumps
- Manhole access covers
- Flanged fittings
- Manhole extensions
- Internal ladders
- Electrical control box
- Trash filter

Each tank has been manufactured to withstand the toughest Australian environments when managing water infrastructure, such as rainwater management, sewerage and managing underground chemical projects.

Made from fibreglass reinforced plastic (FRP), Hydrosave tanks are manufactured as a single unit structure, guaranteeing zero leakage. The manufacturing process of FRP combines high hoop strength from filament winding with multidirectional strength from chopped strand laminate, creating a strong and durable product.

Our FRP tanks are corrosion and bacterial resistant, lightweight and built to last, providing peace of mind to clients nationwide.

Our controlled design and manufacturing procedures are certified to ISO 9001:2008, with inspections at every stage. Hydrosave tank designs are built for long term durability under various conditions including temperature, chemicals, and wear.

Key Features:

- Corrosion and bacteria free – smooth moulded, resin coated inner layer prevents corrosion and bacterial growth
- Hydrosave tanks retain water using durable FRP materials, meeting BS4994 and AS/NZ 2634 standards.
- Compliant with AS/NZS2566 standards for backfill and native soil conditions.
- Hydrosave tanks are constructed with strong reinforced ribs to take any external impact and forces within the ground.
- Light weight and durable, for easy handling and installation
- Maintenance free – no need for periodic testing or recoating
- Can handle all types of slurries, chemicals and water
- Design life of 50 years with a 25-year warranty



The FRP Hydrosave Difference



CSG Composites FRP tanks are designed with chop hoop filament wound. The combination of high hoop strength provided by filament winding and the multi directional strength of chopped strand laminate results in highly robust and superior products when compared to concrete, steel or aluminium.

FRP Hydrosave Tanks



Corrosion, bacterial & chemical resistant – inside resin layer barrier prevents corrosion and bacterial growth.



Zero Leaks – non corrosive and is a single piece of equipment with no leaks.



Easy and low cost installation – FRP tanks are constructed as a single piece of equipment, are light weight, and come ready to install.



Customised design – tanks are designed and manufactured to meet any inlet / outlet requirements.



50 year-design life and 25 year warranty



Low maintenance – smooth internal walls reduces the need for constant maintenance and cleaning.



Horizontal Units – easy installation with minimum depth excavation, suitable for high water tables and rocky environments.

Concrete Tanks



Limited long-term prevention to bacterial growth and corrosion.



Susceptible to leaks – porous materials and external leaking from osmosis through the concrete.



Time consuming and expensive installation – requires onsite assembly and is a lengthy installation process.



Rigid and fixed design – limited customisation options.



Limited warranty due to short design life.



High Maintenance – rough internal walls often require expensive cleaning process.



Vertical Units – costly to install with a deeper depth underground and unsuitable for high water table areas.



Vertical pumping stations

Our underground pumping stations and pits play an essential role in managing waste.

They transfer sewerage from residential, commercial and industrial sources to sewerage treatment plants. Our systems are lightweight, quickly installed and can be supplied in any configuration or capacity, with standard diameter's ranging between 600mm right up to 5000mm.

FRP is an ideal material to use for pumping stations as its resistance to corrosion ensures long-term durability in harsh sewer environments and no leaks.

By efficiently managing wastewater, our FRP pump stations help prevent sewerage overflows and environmental contamination, protect local ecosystems and the community.



Underground Rainwater Harvesting Tanks

Conserve resources, reduce bills and minimise your environmental footprint by harvesting rainwater.

Our rainwater harvesting tanks capture rainwater from buildings, reusing it as part of commercial operations.

Rainwater is collected from roof areas or hard standings and diverted into the underground tank through a filter chamber separating leaves and debris. The non-toxic material ensures that the stored rainwater remains safe for use in various applications, including irrigation and cooling systems

Water runoff on rural properties can be collected for livestock, crop spraying, irrigation and domestic use. Our rainwater harvesting tanks are bacteria-resistant and meet the highest Australian standards.



Underground Emergency Overflow Tanks

Designed to capture sewerage overflow, our tanks stop untreated sewerage from contaminating the environment in the event of a pump station failure or surge in sewerage amounts.

They act as a safeguard by preventing overflow and temporarily storing excess sewerage until it can be properly managed.

They are customisable to suit any specific council regulations, site conditions, and client needs. They can hold up to 671kl of waste and are constructed with strong reinforced ribs to absorb any external impact and forces within the ground.

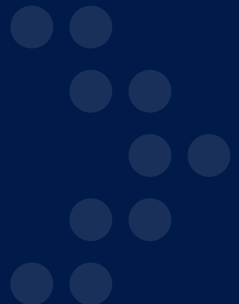
These corrosion-resistant tanks have a 100-year design life and come with a 25-year warranty. Each FRP tank is built as a single piece of equipment, with no joining required onsite, to ensure zero leakage.

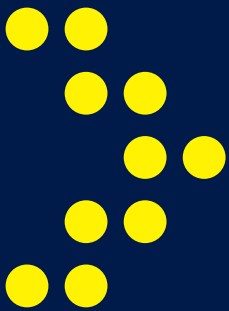
Underground Chemical Spill Tanks

Our tanks are designed to store hazardous chemicals safely and manage accidental spills, preventing toxic materials from polluting the environment.

Our underground chemical tanks can capture any hazardous materials before they enter the environment or stormwater systems.

These tanks are positioned underneath chemical spill buns to safeguard against spillage. Our tanks come in a range of sizes, are robust and can be modified to meet any inlet or outlet. You can also include chemical spill alarms to make your system safer and more efficient.





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