

Hydrosave Vertical Pumping Station



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

CAPABILITY



Our Mission

We strive to deliver pioneering solutions and the safest tanks and silos 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 and silos 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 Australian Dangerous Goods Code and 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 and silos better than us.

Access Better Knowledge

SERVICES

Warranty

25 Years*

*for most applications

Tank & Silo Life Expectancy

50 Years



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 or silo 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 or silo 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 or silo 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 and silos in our factory. This means faster installation and fewer health and safety issues on site.

The lightweight tanks and silos 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.



Hydrosave



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

Capacities

0.9m³ to 671m³

Diameter - 600mm - 5m

Industries

- Residential & Commercial
- Mining
- Utilities
- Recreation
- Municipal Market
- Waste Treatment

Accessories

- External Valve Chamber
- Pumps and Other Accessories
- Access Covers
- Customised Opening Sizes
- Specified Inlets / Outlets

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.

Key Features:

- 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.
- Engineered for maximum strength, allowing for ground movement with no structural fatigue
- Corrosion Resistant – the smooth moulded, resin inner surface prevents corrosion and bacterial growth
- Delivered as a complete homogeneous unit — no assembly is required on-site
- Customised design – they can be easily modified to meet any inlet / outlet or pipework requirements
- Design life of 50 years with a 25-year warranty



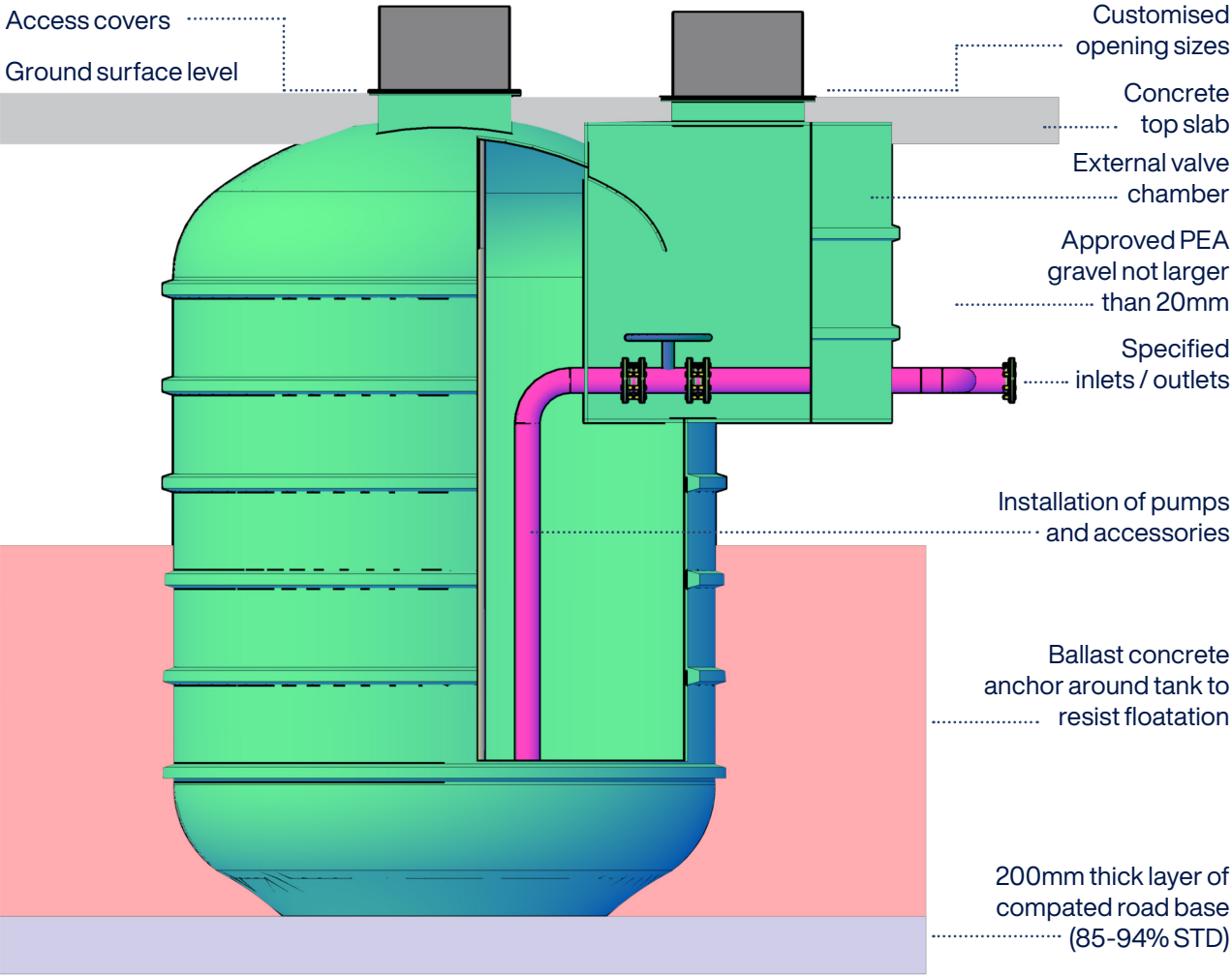
The FRP Hydrosave Difference



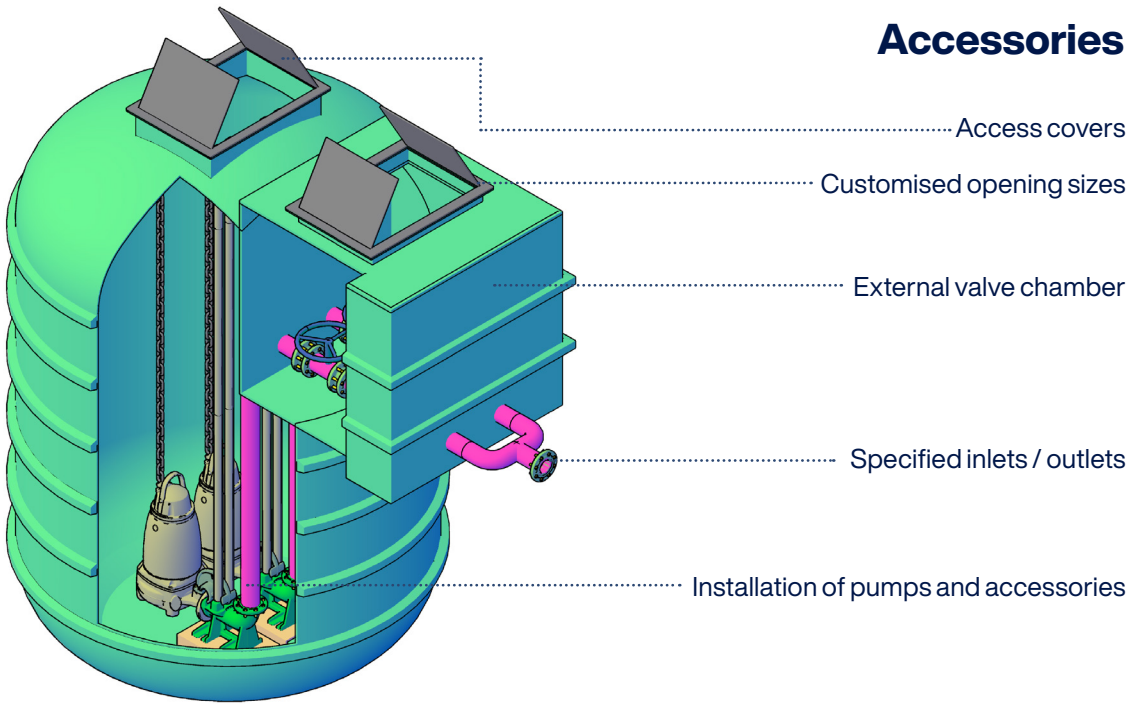
CSG Composites FRP tanks are designed with chop hoop filament wound. The combination of high hoop strength provided by filament winding and the multi directional strength of chopped strand laminate results in highly robust and superior products when compared to concrete, steel or aluminium.

FRP Hydrosave Tanks	Concrete Tanks
 Corrosion, bacterial & chemical resistant – inside resin layer barrier prevents corrosion and bacterial growth.	 Limited long-term prevention to bacterial growth and corrosion.
 Zero Leaks – non corrosive and is a single piece of equipment with no leaks.	 Susceptible to leaks – porous materials and external leaking from osmosis through the concrete
 Easy and low cost installation – FRP tanks are constructed as a single piece of equipment, are light weight, and come ready to install.	 Time consuming and expensive installation – requires onsite assembly and is a lengthy installation process.
 Customised design – tanks are designed and manufactured to meet any inlet / outlet requirements.	 Rigid and fixed design – limited customisation options.
 50 year-design life and 25 year warranty	 Limited warranty due to short design life.
 Low maintenance – smooth internal walls reduces the need for constant maintenance and cleaning.	 High Maintenance – rough internal walls often require expensive cleaning process.
 Horizontal Units – easy installation with minimum depth excavation, suitable for high water tables and rocky environments.	 Vertical Units – costly to install with a deeper depth underground and unsuitable for high water table areas.

Installation



Accessories



Project Profile

John Holland - Parkes AWRF



Location

Parkes, NSW

Industry

Water Infrastructure

Product Timeline

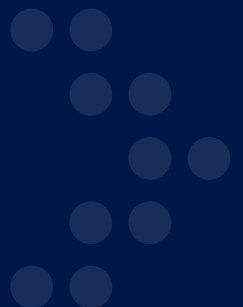
8 weeks

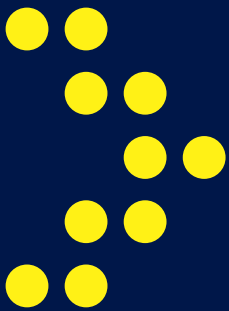
Product Category

Vertical Pump Station

Tank design, civil design, manufacture and fit out of vertical pump station

- 1 off AWRF Feed Pumping Station (2.5m Dia x 5.4m Deep)
- 1 off Waste Pumping Station (2m Dia x 3.5m Deep)





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