

MULLALY

WATER & WASTEWATER

FIBERGLASS STORAGE

Tanks



THE MULLALY TANK SOLUTIONS

advantage

Tank Solutions is an industry leader in the design and manufacture of fiberglass-reinforced (FRP) tanks. Over the past years, we have protected the environment with secure, watertight fuel storage solutions. Our proven track record – of more than 10,000 tanks shipped across Australia – gives customers peace of mind when they need corrosion-resistant liquid storage.

We also provide customers in the water and wastewater markets with durable, innovative and customizable storage tanks. Our sales, engineering and manufacturing teams provide customers with high-performance solutions to fit the requirements of their projects.

WATER AND WASTEWATER APPLICATIONS

- ✓ Emergency Storage Tank
- ✓ Stormwater
- ✓ Rainwater harvesting
- ✓ Wastewater reuse
- ✓ Fire protection
- ✓ Potable water storage
- ✓ Oil-water separator
- ✓ Industrial wastewater
- ✓ Decontamination
- ✓ Horizontal Pump Stations

DESIGN FLEXIBILITY

- ✓ Single-wall and double-wall models
- ✓ Single tank sizes up to 150,000 litres
- ✓ Wide range of underground and select aboveground installations
- ✓ Single-tank and multiple-tank installations
- ✓ Customisable during manufacture
- ✓ Accessories to fit wide range of applications

EASY TO SHIP, INSTALL AND MAINTAIN

- ✓ Lightweight – easy and cost-effective to ship
- ✓ Strategically located manufacturing facilities on East and West Coast of Australia
- ✓ Large-capacity tank can ship on one truck bed
- ✓ Easy to install in remote locations
- ✓ Easy to install in tight footprints
- ✓ Smooth, rounded tank walls easy to clean – debris doesn't get trapped in corners
- ✓ Optional Spray System available



THE FIBERGLASS ADVANTAGE

Tank Solutions FRP storage tanks offer customers significant advantages over other tank options.

MATERIAL ADVANTAGES

- ✓ Corrosion-resistant to surrounding soil
- ✓ Corrosion-resistant to stored liquids
- ✓ Premium resin – no fillers
- ✓ No protective lining or coating needed
- ✓ Designed to be 100% watertight
- ✓ No ongoing maintenance or inspections required

STRUCTURAL STRENGTH

- ✓ Not limited by water table
- ✓ Tanks designed to withstand H-20/ HS-20 axle loads
- ✓ Integral, high-profile fiberglass ribs increase strength
- ✓ Vacuum testing available for certain applications



WASTEWATER TANKS

In both onsite and municipal wastewater systems, secure storage of corrosive wastewater is essential. Our corrosion-resistant tanks provide watertight storage with no need for added liners, which require ongoing inspection and maintenance. The smooth, rounded walls of our tanks are easy to clean and won't trap debris like tanks with corners.

Mullaly Tank Solutions has a long track record supplying waste water storage tanks in the Australian market and can draw on many years of experience in supplying many major projects.



STORMWATER

Mullaly Tank Solutions stormwater tanks can help engineers, developers and contractors handle stormwater with a variety of options. FRP underground tanks are a watertight, corrosion-resistant solution for controlling stormwater flows.

TYPICAL APPLICATIONS

- ✓ Stormwater retention
- ✓ Stormwater detention

RAINWATER HARVESTING

Rainwater collection helps reduce water consumption, and helps provide sustainable benefits for homes, businesses and communities. Collected water is often used for irrigation and landscaping. It can also be treated and then used in a building to flush toilets.

WASTEWATER REUSE

Wastewater systems can collect all used water, greywater and wastewater from within a building. Our tanks store this used water that is then treated and reused for nonpotable water uses, such as toilet flushing and irrigation. Our tanks are ideal for use with treatment system packages because they are corrosion-resistant, both inside and out.

DESIGN FLEXIBILITY OPTIONS

- ✓ Tank sizes up to 3.28m diameters
- ✓ Tank capacities up to 150,000 litres
- ✓ Baffles to separate solids and hydrocarbons
- ✓ FRP inspection ladders
- ✓ Inspection ports with different diameters
- ✓ Outlets or interconnection PVC and fibreglass pipework



FIRE PROTECTION TANKS

Our tanks can be used to store either primary or secondary water supplies for fire protection. Municipalities and developers often install fire protection water tanks when developments are far from municipal water supplies. The tanks are also an ideal solution for sites that don't have sufficient water volume or pressure for fire protection needs.

The tanks can provide water for a building's sprinkler system or give fire trucks quick, easy access to water for dry-hydrant connections.



POTABLE WATER TANKS

Mullaly Tank Solutions potable water tanks are manufactured in our ISO 9001 accredited facilities. Our potable water tanks have a 30-year limited warranty. Locations with remote water sources or low-performing wells require water storage tanks. Some customers store potable water and fire protection water in the same vessel.

TYPICAL APPLICATIONS

- ✓ Parks
- ✓ Schools and churches
- ✓ Campgrounds
- ✓ Private residences
- ✓ Subdivisions
- ✓ Hospitals (emergency storage)



OIL-WATER SEPARATORS

The Dual Chamber AQUATOR Class 1 Commercial Oil Water Separators are available in many sizes and feature two chambers within one tank. This enables hydrocarbon & silt capture and storage in the first chamber. Any remaining hydrocarbons are filtered out by the coalescing filter in the second chamber. The coalescing process in the second chamber allows for the separation of smaller globular light liquid pollutants to reduce the light liquid content in the outlet to less than 5 mg/L (5 PPM). All collected liquid is treated and no bypassing is possible.

In the event of a significant fuel/oil/hydrocarbon spill or filling of the oil containment area over time, the emergency stop valve will automatically activate to prevent the pollutants from discharging to the drain or waterways. The Aquator is gravity operated, therefore, it will continue to operate at full effectiveness even in the event of a power failure.

USES

The Aquator range are suitable for a wide range of applications, including:

- ✓ Service stations
- ✓ Re-fuelling areas
- ✓ Power stations
- ✓ Substations and switchyards
- ✓ Mining and heavy vehicle maintenance
- ✓ Windfarms
- ✓ Waste transfer depots
- ✓ Asphalt plants

ADVANTAGES

- ✓ **HIGH STRENGTH** All Aquators incorporate integral ribs for maximum strength
- ✓ **DURABILITY** All Aquators are constructed of virgin resin and glass fibre reinforcement providing long term protection and life in underground applications
- ✓ **FUEL RESISTANT** Both the tank and flanges are made of fuel resistant fibreglass ensuring maximum protection against hydrocarbons

- ✓ **MEETS INDUSTRY STANDARDS** Aquators are manufactured to meet or exceed the requirements of BS EN 858-1 2002 and are independently tested to ensure they continue to meet this standard
- ✓ **INDEPENDENTLY TESTED** The Aquator has been independently tested by both the University of Adelaide and University of Newcastle which verifies its compliance with BS EN858-1 2002

INDUSTRIAL WASTEWATER TANKS

Our corrosion-resistant fiberglass tanks are ideal for factory washdown, emergency spills and landfill leachate runoff. The tanks securely collect benign or hazardous materials before they are treated or removed from the site. We offer single-wall tanks and double-wall tanks with interstitial monitoring for added protection.

We also manufacture tanks to collect chemically contaminated fire-protection water and aqueous fire fighting foam (AFFF) runoff.

TYPICAL APPLICATIONS

- ✓ Food and beverage processing facilities
- ✓ Aircraft hangar AFFF collection
- ✓ Shower decontamination
- ✓ Landfills
- ✓ Chemical-fire contaminated water collection

DECONTAMINATION TANKS

Medical centers, laboratories and manufacturing facilities remove chemical and biological contaminants from personnel, clothing, equipment, floors and other surfaces. Our corrosion-resistant decontamination tanks securely store the decontamination washdown.

TYPICAL APPLICATIONS

- ✓ Industrial manufacturing facilities
- ✓ Hospitals
- ✓ Laboratories
- ✓ Medical facilities

ACCESSORIES

We offer a wide selection of accessories and fittings to support a variety of project and site requirements. Our sales and engineering teams help customers find the right solution for their projects.

COMMON ACCESSORIES

- ✓ Access openings/manways
- ✓ Access risers/extensions
- ✓ Baffles, weirs and partition walls
- ✓ FRP or PVC pipe penetrations
- ✓ FRP or flanged fittings
- ✓ Engineered anchoring systems
- ✓ Other accessories available



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