

Features:

Designed to the highest SABS standards and specifications

Certified and approved by professional fire engineer and ASIB approved

Cost-effective, high quality panel type bolted tanks

Highly corrosion-resistant steel that is five to three times more resistant than standard galvanized steel

Strong Zincalume light weight dome roof

Design life of more than 50 years

Flat pack and easy transportable reduce shipping weight

Firmness of shape and mechanical strength

APPLICATIONS:

Fire protection tanks

Agriculture (irrigation, drinking, stock, poultry, slurry tank)

Aquaculture (fish hatcheries)

Certain chemical storage

Domestic and rural water storage

Emergency relief tanks

Industrial and mining sectors

Loose storage tanks (salt, sand)

Potable water storage

Rainwater storage tanks

Recycling grey water in industrial and mining sector

Safety tanks for flammable liquids

Water treatment plants

Wastewater treatment plants



FIRE PROTECTION

Fire Protection Tanks with Zincalume Steel Shell

The Aquadam Fire Protection Tank is manufactured using Zincalume steel plated sheets, providing the highest level of corrosion resistance. Our tanks are designed to be a wise investment, adhering to the latest recognized code of practice to ensure durability in any fire situation.

Zincalume steel bolted tanks are perfectly suited for tough environments where dependability is crucial. They can withstand extreme conditions in urban, rural, coastal, or remote locations. The modular design principle of our tank kits offers ease of transport and fast assembly on-site.

Material Specification

Zincalume is an alloy coating of 43.5% Zinc, 55% Aluminium, and 1.5% Silicon that exhibits superior performance when exposed to the elements. The combination of these elements creates a protective barrier coating on both the inside and outside of the tank shell.

Enhance your Fire Tank's durability with our optional PVC liners, including a robust 720gsm Potable liner and a reliable 550gsm standard non-potable liner.

Why Choose the Fire Tank?

Our fire tanks offer unparalleled corrosion resistance, significantly reducing maintenance and replacement costs over time. With Zincalume, the life expectancy of our Fire Tanks is extended up to 50 years. Key advantages include:

- Three times higher corrosion resistance properties
- Excellent anti-corrosive resistant flat surfaces and cut edges
- High resistance to neutral salt and acid rain
- Superior quality and lower replacement costs

The Fire Tank roof is constructed using 0.55mm full hard Zincalume corrugated sheeting. It provides a sturdy, weatherproof structure that can withstand wind speeds of up to 100 km/h. The roof design includes a movable, lockable access hatch for easy maintenance. Optional features such as ventilators, internal or external ladders, and felt seals for bird, rodent, and dust protection are available upon request.

Tank Foundation and Anchoring

The foundation requirements for the Fire Tank vary based on size, application, and design specifications. A reinforced concrete ring beam is necessary to anchor the tank securely. For Tanks higher than 6m a solid concrete plinth is required. We can provide detailed drawings and site instructions if you choose to construct the ring beam yourself.

The bolted nature of our tanks enables quick construction compared to welded or concrete structures. It also allows for easy disassembly and relocation, maximizing the asset value. Our engineered designs can accommodate secure tank storage in various environmental conditions, including high wind speeds, snow, or seismic loads.

We offer a 10-year leak-free guarantee for the Fire Tank, and a pro-rata warranty is available upon request.

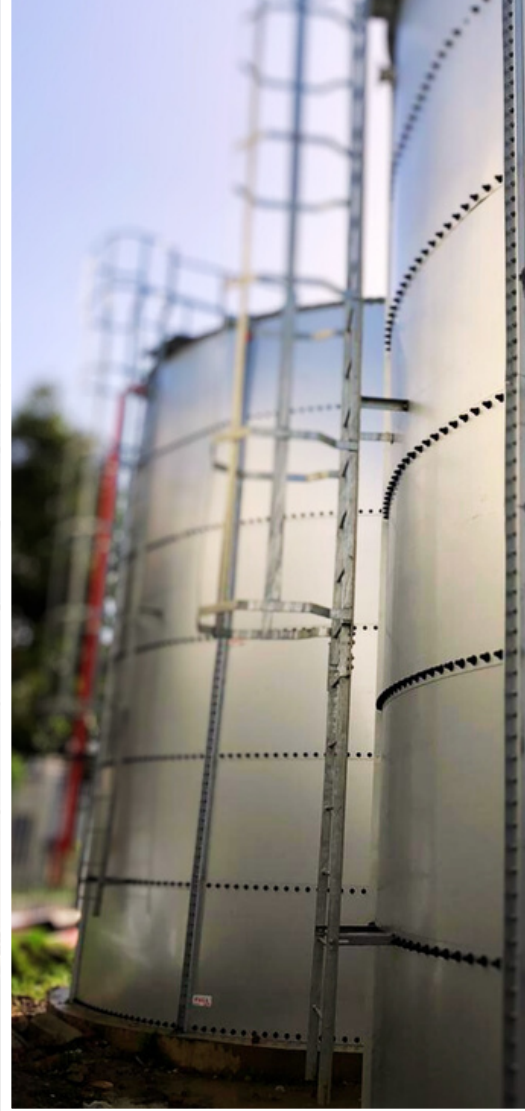
Modular Flexibility

The Aquadam Fire Tank system is designed with modular flexibility in mind. Whether you need water storage reservoirs, water standpipes, or elevated water distribution tanks, our bolted tank and silo system can be configured to meet your specific requirements.

Experience the Aquadam difference and invest in the ultimate corrosion-resistant Fire Protection Tank. Contact us today for more information and a personalized solution that ensures the safety and reliability of your fire protection system.



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Design Code

AWWA D103-97

SANS 10160-3

SANS 282:2004

Dimensions:

Choose the Height and Diameter for the Applicable Area



2.99mØ to 22.44mØ



2.30mH to 11.50mH



16000 Liters to 4.45 Million Liters

$$V = \pi r^2 h$$



FIRE PROTECTION

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"Empowering Water Solutions for a Sustainable Future"

www.aquadam.co.za



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