

FIRE PROTECTION WATER STORAGE TANKS

NFPA 22

ONE
CLARION



30+ Years of Experience – Your trusted partner for high quality above and below ground tanks and great service!



A Solution for Every Industry – No matter the industry or application, we have a tank that will work for you!



NFPA 22 Compliant – All of our Fire Protection Tanks meet NFPA 22 or equivalent fire protection regulations.



Worldwide Project Support – No matter the location, we can provide support for your project. We work worldwide!

PROJECT AND SPECIFICATION SUPPORT

Our team works directly with fire protection engineers, system designers, and Authority Having Jurisdictions (AHJ) to tailor tank selection to your specific project requirements.

- **Capacity and Tank Footprint Guidance:** Tanks are tailored based on your project requirements, required capacity, and available space.
- **Wet-Stamped PE Drawings:** Engineered, wet-stamped drawings available to support permitting and AHJ review.
- **Tank Drawings:** Tank drawings can be provided for inclusion in project plans and specifications.
- **NFPA 22 Accessories, Options & Finishes:** Help selecting appurtenances such as anti-vortex fittings, level monitoring/remote sensors, manways, vents/overflows, ladders/platforms, and other required fittings.

TYPICAL FIRE PROTECTION APPLICATIONS

Fire protection tanks from One Clarion are used in:

- Distribution centers, warehouses, and logistics hubs
- Manufacturing plants and industrial parks
- Data centers and technology campuses
- Hospitals, universities, and large institutional facilities
- Power generation, energy infrastructure, and utilities
- Remote sites with limited or no municipal water supply
- Commercial complexes and mixed-use developments
- High-hazard or high-challenge occupancies requiring large fire water reserves

Have an NFPA 22 project coming up?

Send us your projects requirements and we will work with you to help you choose the best solution for your project.

Contact Us:
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Aboveground Fiberglass Fire Protection Tanks

Corrosion resistant FRP tanks for fire protection water storage where the environment is detrimental to steel.

Capacities: Custom built to your needs. Contact us for more information.

Construction: Fiberglass Reinforced Plastic (FRP) shells are designed with a specific resin compatible with your environment.

Applications: Coastal or chemically aggressive environments, where long-term corrosion resistance and reduced maintenance are priorities.

Design Features: Flat, sloped, or dished bottoms; multiple nozzle configurations for suction, fill, test, and overflow; integral supports and saddles for horizontal units.

Benefits: No rusting or internal coating maintenance, lightweight for easier installation, and excellent longevity for non-pressurized fire water storage.

Underground Fiberglass Fire Protection Tanks

Buried FRP tanks for sites with limited space, complex design requirements, or aesthetic concerns.

Capacities: Between 5,000 to 60,000 gallon capacities. Tanks can be manifolded together. Common diameter sizes are 6', 8', 10', and 12'.

Construction: Monolithic fiberglass shells with integral ribs to resist soil and traffic loads; single- or double-wall configurations with interstitial monitoring options.

Applications: Fire protection water for remote buildings, parking-lot or driveway installations, and cold climates where buried tanks provide natural freeze protection.

Design Features: Engineered for burial depth and live loads; traffic-rated options; suction sumps and anti-vortex fittings; manways with extensions to finished grade; provisions for level and low-level alarm instrumentation.

Benefits: Zero abovegrade footprint, reduced freeze protection requirements, and corrosion-proof performance in aggressive soils or groundwater.



Corrugated Steel Fire Protection Tanks

Cost-effective galvanized steel tanks with internal liners for dedicated fire water storage.

Capacities: Approx. 5,000–100,000+ gallons for sprinkler, standpipe, and hydrant systems.

Construction: Corrugated galvanized steel shell with a reinforced, flexible liner for leak-tight performance; bolted assembly on a prepared foundation.

Applications: Ideal for rural and ex-urban sites, small to mid-size industrial facilities, and auxiliary fire water reserves.

Design Features: Roof options (dome, low-pitch), anchoring systems for wind/seismic loads, anti-vortex suction fittings, overflow and vent nozzles, and access manways.

Benefits: Short lead times, minimal site equipment required, and favorable lifecycle cost for dedicated fire protection storage.



Bolted Steel Fire Protection Tanks

Factory-coated steel panel tanks assembled on-site for larger fire water storage demands.

Capacities: From as small as 5,000 gallons to up to 3,900,000 gallons, we can tailor to your site needs.

Construction: Flat steel panels with epoxy or glass-fused coatings, bolted together with gaskets/sealants to form a rigid, liquid-tight structure.

Codes & Standards: Designed to help meet NFPA 22 requirements for private fire service tanks; can also be configured in accordance with AWWA and applicable building codes for wind and seismic.

Design Options: Geotextile underlayment, leak-detection provisions, cone or dome roofs, internal or external ladders and platforms, heater/insulation packages for freeze protection.

Benefits: Proven performance for large-capacity fire water storage, modular construction for constrained sites, and long service life with engineered coating systems.



HISHITANK Panel Type Water Tank

Modular GRP (FRP) panel tank assembled on-site using panels, gaskets, and bolts; ideal for projects needing dedicated fire water storage with documented certifications and a compact delivery footprint.

Capacities: Modular designs available from small systems up to large-volume configurations (site and layout dependent). HISHITANK designs up to approximately 320,000 US gallons.

Construction: GRP (FRP) panel tank system assembled with bolts, nuts, and gaskets; no internal liner required per product description.

Applications: Dedicated fire protection water storage for commercial, industrial, and institutional facilities; suitable where space constraints favor a rectangular, panel-built footprint.

Design Features: Panelized system supports flexible footprints (including multi-leg shapes like T/H layouts), field assembly without heavy machinery, and options intended for seismic considerations based on their Japan-developed design approach.

Benefits: Space-efficient rectangular storage, simplified transport/handling (panel shipment), and corrosion-resistance relative to conventional steel tank approaches, plus documented certifications for common spec pathways.

Because the tank is delivered as modular panels, it can be a strong fit for sites where shipping size, crane access, or staging space is limited. We support logistics and installation coordination so the fire water storage package is delivered in the right sequence and configured for your connection strategy (fire pump suction, fill, vent, overflow, and drain) as required.



HISHITANK Certifications

