



# Bulk Storage Tanks

## Liquid Storage

One Clarion offers corrugated steel tanks, plastic poly tanks, fiberglass tanks and oil tanks. Each tank type brings different advantages and capacities to bulk liquid or dry goods storage projects. Bulk storage tanks are used for water, food production, fire prevention, wineries, agriculture and chemical industries. From community potable water supply to oil disposal to dry or bulk product storage, our bulk storage tanks will meet your specific needs.



# Bolted Steel Tanks



Our Bolted Steel Tanks are one of the staples of the tank storage industry. These large storage tanks are ideal for storage over 150,000 gallons and up to 5,000,000 gallons. Bolted Steel Tanks are made with powder-coated steel panels bolted together and custom rubber gaskets separating each panel, making them watertight. Perfect to store water, petroleum products, chemicals, and much more. Engineered for your specific site and installed by a factory-trained crew. A variety of roof styles, colors, add on options are available. Bolted Steel Tanks are the perfect solution for commercial, industrial and municipal projects.

## Bolted Steel Tank Features

- Powder-coated steel panels.
- AWWA approved interior liners
- Rated for potable water
- For a variety of liquids and chemicals
- For bulk materials and dry goods
- Approved for wastewater, fire protection, biosolids, sludge, and more.



# Bolted Steel Tanks

## Accessories:

Our Bolted Stainless Steel Tanks include accessories that can be added to any of our tank installations. These include aluminum geodesic dome roofs, roof venting, and roof hatches, manways for roofs, insulation packages, catwalks, level indicators, and heaters. We can also add ladders or spiral stairways, cages as well as step-off platforms, down comers, angle stiffeners, baffle walls, exterior web trusses, as well as styles over containment walls, bridges for mixers, anti-vortex plates and sumps.

## Roofs & Domes:

We have a variety of roofs and domes made from stainless steel and aluminum up to 200 feet in diameters. These are used for: odor and gas control, protection of tank contents, evaporation control, minimization of the "sloshing" of tank contents, contaminant protection from weather and environment, access to the center of the tank, equipment support.

## Floors:

Depending upon your needs, we provide both concrete and stainless steel floors for your tanks. Each floor is designed to the customer's specifications and industry standards in mind.



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# Corrugated Bolted Steel Tanks



## Corrugated Bolted Steel

Our Corrugated Bolted Steel Tanks are the next innovation in storage tanks. Long lasting, these durable tanks are built to the same structural standards as our other AWWA approved water storage tanks. Tanks are designed with corrosion resistant panels and flexible heavy membrane liners. Corrugated bolted steel tanks are in lower cost, with an unprecedented warranty.

## Corrugated Bolted Steel Features:

- Store liquids for manufacturing, industrial or commercial use.
- Meets AWWA D103-09 and NFPA 22 standards.
- Drinking water never touches metal
- Store bulk materials and dry goods.
- Ideal for fire protection, wastewater, biosolids, sludge, and more.



# Corrugated Bolted Steel Tanks

## Wall Panels:

Corrugated bolted steel tanks are made of carbon steel panels with galvanized zinc at different thicknesses. Sheets range in gauges depending on the engineering calculation for a specific tank, and on usable gallon requirement, project coordinates, and tank use/application.

## Floors:

Tanks are commonly installed on a concrete foundation. No steel floor is needed, as the concrete foundation becomes the floor of the tank. Steel floors are only used in the case that the tank is engineered to be self-anchored. We also install tanks on grated gravel pads instead of a concrete foundation in certain circumstances, saving you money on your tank installation.

## Anchors:

Anchoring is required when installing on a concrete foundation, unless the tank has a steel floor and is engineered self-anchored. Anchors meet ASCE7-10 and all AWWA requirements with the use of tall anchor saddles and A36 F1554 zinc or galvanized all thread anchor rods.

## Roof Structures:

Corrugated Bolted Steel Tanks have multiple roof style options to suit many requirements, both structural and aesthetic.

Ask about all of our Corrugated Bolted Steel Tank options.

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# Stainless Steel Tanks

## Stainless Steel Tanks

Our Stainless Steel Tank is the finest welded tanking the industry for Wineries, Agriculture, Food & Beverage, Chemical, Wastewater, and Potable Water Industries. It's perfect for commercial applications and safe for residential drinking water. We carry single and double-walled tanks, flat bottom, cone bottom, belly bottom, stands, dimple jackets, and more. Custom tanks are also available.

## Stainless Steel Tank Features

- Made with 30 b4 & 316 Tyle L stainless steel
- Single or double wall
- Meet API, EPA, and FDA standards
- For water storage
- For chemicals and fertilizers
- For food and beverage industries
- For pharmaceuticals
- Available in cone-bottom





# Stainless Steel Tanks Classifications

## Wine Tanks

The preferred tank of winemakers both large and small. The high level of chromium, makes it resistant to corrosion and ideal for specific winery applications.

## Fermenter Tanks

Chosen for its cleanliness, no added taste, temperature control, customization and ease of transport, these tanks are durable and long-lasting.

## Juice Tanks

Juices processed in stainless steel tanks are easy to clean up, can maintain precise temperatures, and provide hygienic juice storage.

## Bolted Tanks

Can be used for potable and non-potable water, food and dry goods storage. They are maintenance free and long-lasting.

## Chemical and Fertilizer Tanks

Allow important materials such as fuel and feed to be available on property without the need to hauling, saving you time and money.

## Field Erected Tanks

Built on-site because of their size and complexity. Ideal for dairy, brewing, food production, and water treatment projects.

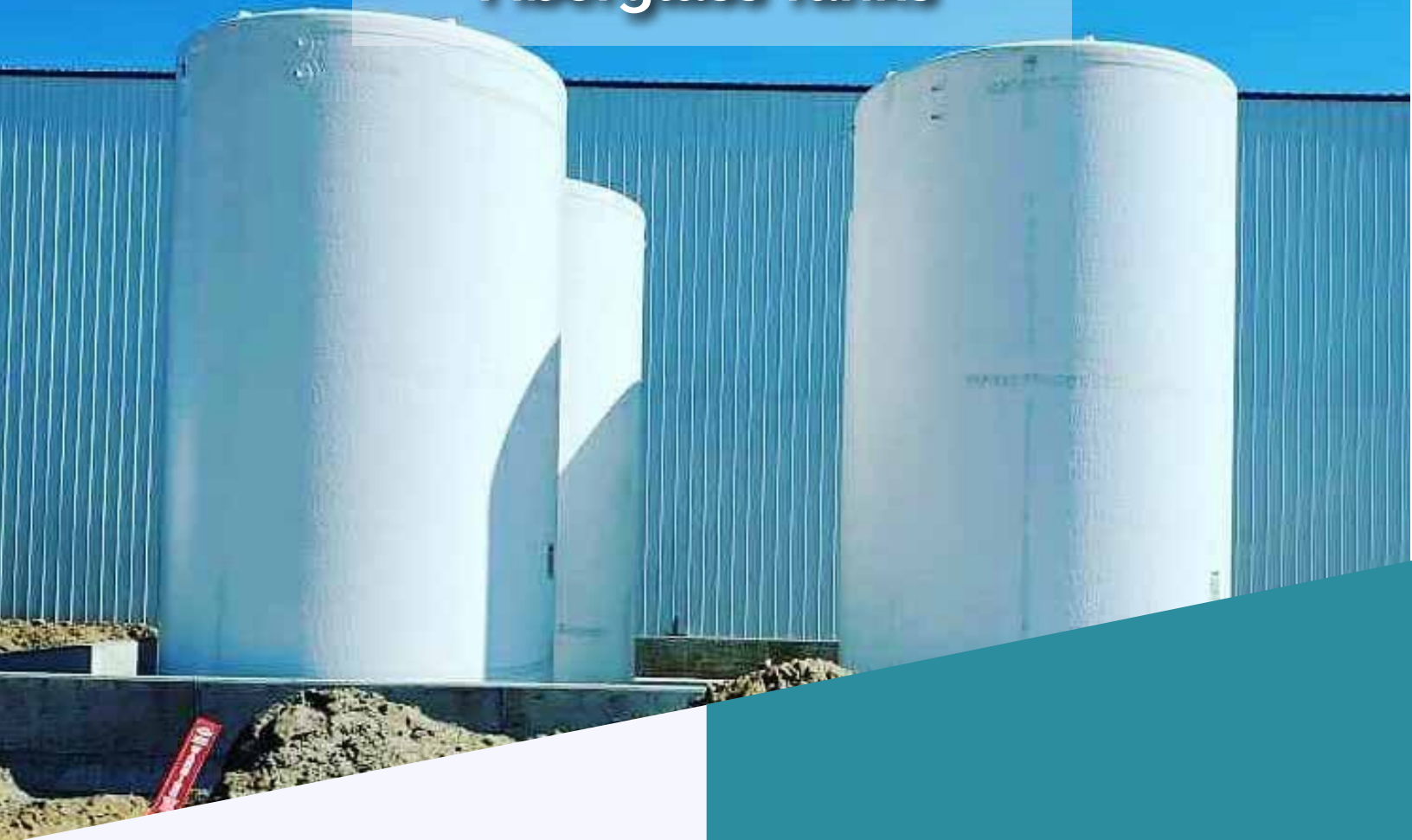


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# Fiberglass Tanks



## Fiberglass Tanks for Liquid Storage

Fiberglass Storage Tanks are a durable and long-lasting option for chemical and water storage. Because our fiberglass tanks do not expand or crack over time, they can withstand rain, wind, sand, and sunlight, without deteriorating from weather conditions. Our fiberglass storage tanks are used to store drinking water, chemicals, fire suppression water, greywater, or septic in residential, commercial, agricultural or industrial applications. We offer a filter to keep your water safe for drinking. Underground fiberglass tank options are also available.

## Fiberglass Tank Features

- Made from fiberglass
- Exterior gel-coated
- High strength-to-weight ratio
- Generally, no gravel ring or slab is required
- Resins built to match your specific application





# Fiberglass Tanks

## Safe and flexible Option

Durable option for chemical and water storage. Tanks will not expand or crack over time.

## Long-lasting

Bulk storage withstands rain, wind, sand, and sunlight, without deteriorating from weather conditions. Compared to other above ground storage tanks (plastic, steel, flexible), one of the strongest options available.

## Multi Use

Used to store drinking water, fire suppression water, greywater, chemicals or septic in residential, commercial, agricultural or industrial applications.

## Meet Specifications

Resin designed for specific liquid application and requirements. Filter available to keep your water safe for drinking.

Underground fiberglass tank options are also available.

Additional options include fiberglass basins, underground fiberglass tanks, and fiberglass septic tanks.



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# Poly Tanks



Our Polyethylene Tanks provide durable above ground storage for water or chemicals. Made to last, they are designed to handle temperature and weather changes, making them for both indoors and outdoors use. Our vertical tanks are seamless and watertight. Polyethylene tanks never rust or corrode. Constructed of 100% virgin resin, our tanks meet FDA requirements for potable water storage. Our large poly tanks come in a wide range of capacities and models for storage of water and other liquids.

- Dome Top - 10 to 20,000 Gallons
- Flat Top - 20 to 5,000 Gallons
- Water Only - 1,100 to 10,000 Gallons

## Polyethelene Tanks

Plastic tanks offer economical bulk liquid storage and are cheaper than many steel and fiberglass options. Durable construction deters leakage and water loss. Additional polypropylene fittings are also available, from bulkhead and bolted fittings to ball valves for our vertical water storage tanks.

Visit our **Poly Tank page** to find out more.



# Poly Tanks

Economical bulk liquid storage and durable construction deters leakage and water loss, as well as rust and corrosion. Capacities range from 10 to 20,000 gallons.

## Specialty Plastic Tanks Options

Designed for specific applications. Ideal for septic, pest control, water or fertilizer storage, or as chemical containers for mixing.

## Mixing Tanks

Easy mixing for chemicals and other liquids. Allows for quick and complete drainage. Closed and open top designs available. Sizes ranges from 55 to 7,500 gallons.

## Septic Tanks

Constructed of seamless, rotationally molded plastic to prevent leaking from joints and other weak spots. Sizes from 300 to 1,500 gallons.

## Cistern Tanks

Help supplement wells and any emergency water caches for adequate water supplies. Capacities from 325 to 2,500 gallons.

## Pest Control Tanks

PCO standard features include an 8 inch fill well, splash guard cover, agitation. Hold between 30 and 300 gallons of liquid.



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# Cone Bottom Tanks



## Cone Bottom Tanks

Our large capacity poly cone bottom tanks store large amounts of water in one location for extended periods of time. This is great for temporary municipal water storage of potable or non potable water. Tanks are also used for ag water storage, landscaping, liquid fertilizer mixing tank, and other applications. Our cone bottom tanks are 100% drainage.

## Cone Bottom Tank Features

- Easy location placement
- 100 percent drainable
- Resin complies with U.S. FDA regulations
- High impact and chemical resistant



# Cone Bottom Tanks

## Cone Bottom Tanks

Designed to maximize efficiency in waste disposal, mixing, and transportation of materials.

### Efficient

Conical shape ensures that all liquid is drained from the tank. Available in a wide variety of sizes for use across multiple industries.

### Durable

Constructed out of high-quality materials, tanks are built to withstand the most extreme conditions.

### Multi-use

One of the most versatile types of storage tanks available on the market today. Can be used for holding liquids, storing solids, or even as mixing tanks.

### Fully Drainable

Cone bottom tanks have a conical bottom. Angles vary from 15° to 60°, but are most commonly angles are 30°, 45°, and 60°.

### Sanitary

Great for food or beverage processing, and for materials sensitive to moisture or needing to be kept dry.



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# Oil Storage Tanks



## Bulk Storage Tanks for Oil and Fuel

Oil storage tanks are built using welded steel to API specifications, and are designed for above ground fuel and oil storage. Our tanks are safe for storing surplus hydrocarbons for oil refineries, agricultural sites, construction, and other industries. The steel fuel storage tank is fully fitted with tank shells built to the API (American Petroleum Industry) 12-F specification and CFR section 49 CFR 195.264(b)(1). Available in 4,200 gallons to 31,500 gallons. We also offer optional walkways, fittings, and hatches.

## API Bulk Storage Features

- Made with welded steel
- For a variety of oil and hydrocarbons
- Available in 4200 to 31,500 gal.
- Appropriate for diesel storage
- Meet API specifications





# Oil Storage Tanks

## Oil and Fuel Storage Tanks

Steel fuel storage tanks are fitted with tank shells built to the API (American Petroleum Industry) 12-F specification and CFR section 49 CFR 195.264 (b) (1).

## Safe Containment

Tanks safely contain crude oil and diesel fuel with tank capacities ranging from gallons, 4,200 gallons to 31,500 gallons. Used by oil refineries and production oil wells for surplus crude and refined oil storage.

## Multi use

Farms and ranches, as well as large agricultural sites use for ground storage tanks for surplus diesel.

## Customize

Customize with optional walkways, fittings, and hatches. Contact our sales team for more detailed information.

## Options

Additional Oil Storage Tanks fuel bladder tanks are also available for diesel fuel, Jet A fuel, crude oil, and other hydrocarbon liquids. With capacities up to 210,000 gallons.



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# Tank Specifications

Tank	Capacities	Material	Accessories
<b>Bolted Steel Tanks</b>	4000 to 2,868,000 Gal	Powder-coated steel panels bolted with custom rubber gaskets	Aluminum geodesic dome roofs, roof venting, and roof hatches, manways for roofs, Insulation packages, catwalks, level indicators, and heaters.
<b>Corrugated Bolted Steel Tank</b>	Capacity 722 to 651,777 Gal	Carbon Steel Panels, G115 and G140 zinc galvanized	Full guardrails/OSHA caged exterior ladder systems, anti climb for ladder rungs and cage, deck access openings, side shell manways, catwalks, roof cap walk arounds, frost free vents, bridges.
<b>Fiber Glass Tank</b>	800 to 50,000 Gal.	Fiberglass Resin	Adhesive kit, anti-vortex baffles, bulkhead fittings, couplings, down pipes, fill wells, covers and manways, flanged connections, gussets, heating and insulation, ladders and cages, saddles, vents and more.
<b>Poly Tanks</b>	10 to 20,000 Gal.	100% Polyethylene Resin	Customize with fittings. bolted, bulkhead, coupling, and spinweld fittings are all options, in addition to valves and strainers.
<b>Cone Bottom Tanks</b>	15 to 13,000 Gal.	Polyethylene Resin	Three types available. bolted, bulkhead, coupling, and spinweld fittings options, in addition to valves and strainers.
<b>Oil Storage Tanks</b>	4,200 to 31,500 Gal	Steel Welded Construction	Fully fitted out to API 12-P configuration, large selection of optional fittings, hatches and walkways available.



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