



102,000 Gallon One Clarion Water Tank

Space Saver Model

These corrugated tanks are the most affordable and well-made galvanized corrugated water tank on the market, with a 2-year "Leak Free" warranty. We use only quality materials. You may manage the installation yourself or you can let our qualified team of professionals get your tank up and running safely and quickly. Call us today with your questions!

Maintenance free, these tanks are not only no-hassle, but are also well suited for remote locations. Whether for water storage, animal watering or irrigation, Corrugated tanks get the job done. Connect them directly into livestock troughs, irrigation systems, sprinkler systems, or fire hydrant systems. Built to withstand even the hottest conditions, they work well as fire water tanks. Our tanks can be safely and quickly installed on site by a small team of trained technicians.

- Rainwater Collection
- Well Water Storage
- Fire Water Tank
- Above Ground Cistern
- Small Farm Agricultural





Configuration Options

- NFPA-"Fire Suppression"
- Well Storage
- Rain Harvesting



**Corrugated tanks can withstand high wind and seismic activity. Their design is not appropriate for use in situations with significant snow load however. Please see the specifications below for more information. In the case of locations with a sizeable snow load, we have other options available for you.*

Standard Features

- G145 Galvanized Coated Corrugated Steel Walls
- NSF/ANSI 61 Certified for Potable Water Use Tank Liner
- Hot Dip Galvanized Roof Structure & Corrugated Dome Roof
- 2" Outlet with Nickel Coated Metal Ball Valve
- 2" Drain with Nickel Coated Metal Ball Valve
- 6" Overflow with Mosquito Screen and Flap Valve
- 20" Inlet Strainer Basket with UV Guard
- Geomat Cushion Layer Tank Liner Protection
- Tank Wall Moisture Barrier
- "Liquidator" Mechanical Level Gauge
- Foam Roof Seal for Dust and Vermin Protection
- Decorative Bolt Facia
- 30 Lockable Hinged Access Hatch with Removable Ladder



Why Choose One Clarion Corrugated Water Tanks?

Our unique combination of lightweight, heavy duty galvanized, corrugated steel wall panels and flexible polyethylene tank liner allows us to offer premium galvanized steel water tanks for sale at a very competitive price. These corrugated steel water tanks, are available in sizes from 5,000 gallons to 102,000 gallons. For other tank sizes, please see: [One Clarion Tank Sizes](#)

Panels

Our heavy-duty galvanized lightweight steel panels make the tank shells perfectly suited for water storage. The panels are treated with the thickest galvanized coating on the market, 1.45 oz/sf (G145). Corrugated steel water tanks have all of the required strength to resist water, wind and seismic loads without incurring excess material costs.



Liner

We use a BPA-free food grade tank liner that's NSF certified for potable water use. The "monofilament" construction of the liner, as opposed to coated mesh, because it's resistant to fatigue cracking and is super stretchy... both are important characteristics for your durable water tank.



Warranty

With our tanks, you enjoy the peace of mind that comes with a 20 year "No-Leaks" warranty. Our warranty leads the industry and is supported by over 30 years of experience. We use only the best materials to ensure that your tank survives the toughest conditions with ease.



Installation

Only the 5,000 gallon corrugated water tank is available as a DIY kit. You can also choose to have it professionally installed. For the other tank sizes, you can manage the installation, or you can have our team of trained technicians handle the installation.

Please see: • [Site Preparation Guide \(pdf\)](#)
• [Tank Installation Guide \(pdf\)](#)



Have questions? Our trained and friendly staff is here to answer them for you. Call us today!

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102,000 Gallon Water Tank Specifications

Diameter	512" (42'8")
Shell Height	114"
Overall Height	127" (9'6")
Gross Capacity	101,500 US Gallons
Tank Shell	G145 Galvanized Corrugated Steel Panels, Mechanically Galvanized High Tensile Fasteners
Roof Structure	Welded HSS Support Frame with Hot Dipped, Galvanized Coating, Corrugated Steel Cover Sheeting
Tank Liner	NSF 61 Certified for Potable Water Use, 20 mil Polyethylene Geomembrane, 700% Elongation at break ASTM D638, 2,000 min HPOIT ASTM D5885, Mechanically Fastened at 80' Centers
Cushion Layer	Needle-free Non-Woven Polyester Geotextile Underlay
Inlet Fitting	20" Leaf Basket in Roof with UV Guard or 2" Bulkhead Inlet in the Tank Wall
Outlet Fitting	2" Bulkhead with Nickel Coated Ball Valve
Overflow Fitting	6" ASA Overflow with Internal Vertical Orifice and PVC Overflow Pipework to Ground with Flap Valve and Mosquito Screening
Drain	2" Bulkhead with nickel Coated Ball Valve
Miscellaneous	Foam Roof Seal for Dust and Vermin Protection, Decorative Steel Fascia
Accessories	20" Lockable Roof Access Hatch, Light Duty Removable Galvanized Steel Ladder
Fitting Options:	Fire Protection (NFPA-22), Rain Harvesting, Well Water Storage
Optional Accessories	30" Lockable Roof Access Hatch, Light Duty Removable Galvanized Steel Ladder, Mechanical Level Indicator

Environmental Design Parameters

- Design Loads: ASCE 7-10
- Wind: 105mph
- Seismic (standard): Zone A
- Seismic (with MS upgrade kit): Zone E
- Snow: 5psf



Satisfies Code Requirements

Like any steel building structure, our water tanks are designed to loading, concrete and steel structure codes.

- ASCE7-10 Minimum Design Loads For Buildings and Other Structures
- ACI318-14 Building Code Requirements for Structural Concrete
- AISC 360-10 Specification for Structural Steel Buildings
- AISI100-07 North American Specification for the Design of Cold-Formed Steel Structural Members
- AWS D1.1 Structural Welding-Steel
- NSF/ANSI 61: Drinking Water System Components

