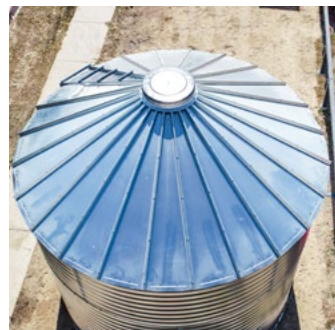




MERIDIAN CORRUGATED WATER STORAGE



Your water is vital and valuable. When it comes to managing and protecting this resource, you need a storage system that is proven durable, versatile, crafted and sealed to meet your unique needs. Meridian Galvanized Water Tanks are cost effective solutions built with superior grade steel that offer long lasting, impermeable water management for any application that relies on water.

MERIDIAN[®]

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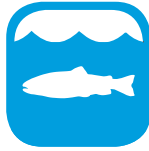
Meridian Corrugated Tanks are economical, easy to erect, expand, and offer low maintenance performance compared to traditional water tanks. Meridian tanks are ideal for a large range of applications, especially in remote areas where flexibility, cost of installation and transportation are major factors. Galvanized steel has proven to provide long term performance that resists rust and corrosion even in the harshest environments with virtually no maintenance.



Irrigation



Livestock
Production



Aquaculture



Domestic Water
Systems



Public Water
Supply



Industrial Water
Management



Groundwater
Protection



Natural
Resources

Meridian tanks are versatile enough to be used by any industry that utilizes water.

KEY BENEFITS

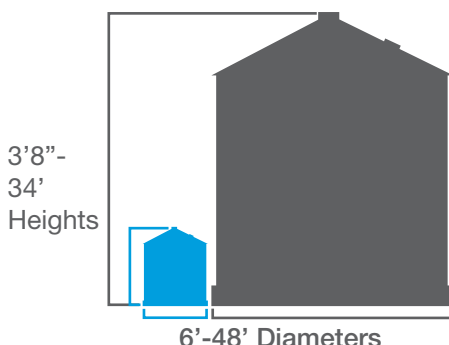
- Cost effective and easy installation compared to other tank construction methods
- Easily maintained and economically serviced
- Expandable designs
- Completely reusable and re-locatable (steel only)
- Fully recyclable steel and liner
- Tank content (liquid) not in direct contact with tank walls
- Installation is done at safe working heights
- Efficient shipping and delivery
- Galvanized tanks prevent UV light-inducing algae growth in the water

Meridian's water tank comes complete with all the standard features, including: Large center cap opening and weather-tight cap, roof ladders, lockable inspection hatch, foundation anchoring components and hardware.

PRECISION MANUFACTURING

Meridian Corrugated Water Tanks are built utilizing computer assisted manufacturing processes. This ensures that every sheet is accurately rolled, cut and punched, allowing tighter seals at all connection points and a stronger, better built, longer-lasting tank overall.

- Meridian engineers utilize 3D modeling and Finite Element Analysis (FEA) software to ensure that stress points are designed to meet or exceed structural regulations with the ultimate goal of delivering the strongest and most environmentally safe system in the industry.
- Meridian water tanks are engineered and manufactured to exacting specifications. They meet or exceed numerous industry standards including: AWWA D103-09, NFPA 22, UBC, NBC and ASCE 7-10.
- Meridian water tanks are engineered to better handle the added weight of heavy snow loads, or the structural stress of extreme temperature conditions, high winds and even seismic events.
- All systems & accessories come complete with detailed assembly manuals or drawings.
- Meridian tanks are professionally engineered to provide superior strength using heavy gauge ultra-flat corrugated steel. This eliminates the need for internal or external stiffeners and results in an extremely strong and expandable tank that provides dependable, long-term water storage.



14 Diameters – 6' (1.83m) to 48' (14.67m)
9 Heights – 3' 8" (1.17m) to 34' (10.37m)
122 Capacities – up to 1,363,096L (360,092USG)

Other heights and capacities available upon request.

Standard Features

Common Accessories

Large Center Cap Opening

30° Roof Angle

Continuous Ring Angle

Lockable Inspection Hatch (N/A on 6' Dia.)

Roof Ladder (not shown)

Minimum 24ga Wall Panel

Roof Vents

Platforms

Spiral Staircase

Ladder Cages

Anti-Vortex Assemblies 4"-10"

Double Bolted Vertical Seams

Grade 8.2 Fin Bolts for Easy Installation

Liner Clips

Open Top Designs

- Side Wall Panels
- Wall sheet material 20 ga and heavier – ASTM A653 Grade 50 (50,000 psi minimum yield strength, 65,000 psi minimum tensile strength)
 - Wall sheet material 22 ga and lighter – ASTM 653 Grade 40 (40,000 psi minimum yield strength, 55,000 psi minimum tensile strength)
 - All galvanized material components are coated to ASTM A653
 - Ultra flat 5.22" x 0.48" deep corrugated profile for lateral strength structural rigidity and integrity
 - Wall sheets 45.945" x 113.38" ensure faster coverage and installation, and less hardware
 - Sidewall sheets have unique hill and valley double bolting connection providing greater strength and tight overlap
 - Manageable panel size and weight

Roof Design

Meridian water tanks use a continuous ring angle (far superior to competitors lighter clip systems), to anchor the roof and give maximum resistance to high winds. Additional roof strength is provided by extra deep ribs in the roof sheets, which increases overall structural integrity. For higher snow load conditions, additional roof rings are available as optional accessories for some models. The roof's 30-degree roof slope promotes quick snow and moisture run off.

CORRUGATED WATER TANKS



Optional Accessories

- Open top (no roof) designs
- Roof vents
- Roof rings & external tank shell wind rings for increased wind and snow resistance
- Side wall ladders, cages & ladder block off plates
- Application specific internal engineered liners
- Steel Inlet & outlet flanges (2" to 12")
- Anti Vortex assemblies (4" to 10")
- Platforms
- Spiral stairs
- Flat, low profile roofs



Powder Coat Options

- Powder coating outperforms any conventional liquid paints and is more resistant to chips, scratches, fading and wearing, promising unsurpassed quality and durability
- Powder coating is environmentally friendly with no use of solvents or hazardous material
- Government Bureau of Land Management approved colors and custom corporate colors, accommodating project color requirements.

A 100,000 Sq. Ft. roof can provide over 7 Million litres of water per year, which when recaptured with a galvanized water tank can:

- Assist companies in the management of sustainability objectives
- Provide a high quality alternate water supply
- Reduce water costs by thousands
- Engage in Environmental Stewardship, improving public perception by going 'green'
- Protect groundwater supply
- Provide a return on investment in as little as 2 years
- LEED® Green Building System credits – Recycled Content & Regional Materials
- The average person uses about 142 litres of water per day, an average household uses about 350 litres per day. A 1000 sq. ft. of roof area can capture about 2600 litres during a 1" rain fall event.



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