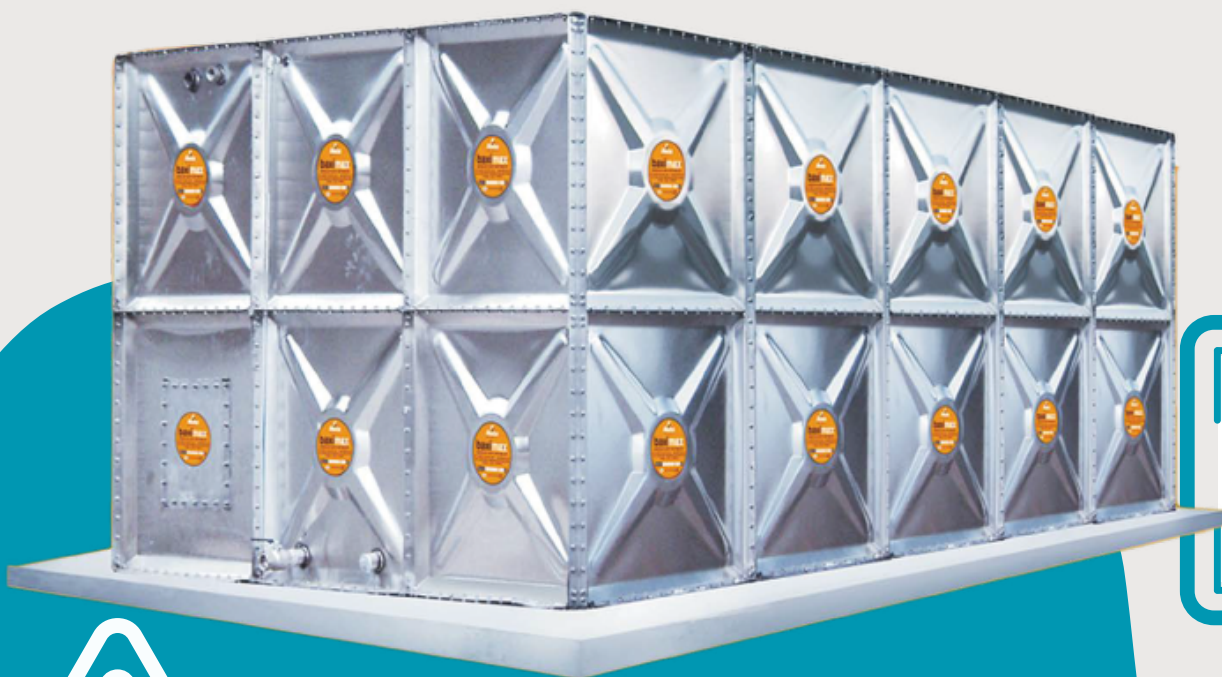




Stainless Steel Water Tank



SCAN ME



BLUE NILE
TANKER



For More Information :



09-72-90-91-92



www.grpglobaltrading.com





Technical Specifications

BLUE NILE TANKER
PREMIUM MODULAR WATER STORAGE SOLUTIONS

Product Name:

Rectangular Stainless Steel Water Tank

Material Options:

SUS304 / SUS316 Stainless Steel

Design Type:

Modular rectangular design (vertical or horizontal)

Wall Thickness:

Custom-selected thickness depending on project capacity

Corrosion Protection:

Anti-rust, anti-contamination, anti-moss

Capacity Range:

Small residential tanks to large industrial rectangular water storage tanks

Connections & Fittings:

Inlet, outlet, overflow, drain, ladder, manhole, vents, and inspection ports

Installation Options:

Ground-mounted, elevated, rooftop installation, basement installation

Key Features & Benefits

1. Premium Stainless Steel Construction

A core advantage of the rectangular stainless steel water tank is its superior material quality. Stainless steel resists rust, oxidation, and pitting even in humid or chemically exposed environments. This ensures long service life and predictable performance, reducing the risk of leakage or contamination.

2. Efficient Space Utilization

The rectangular design fits efficiently into tight corners, narrow spaces, or structural layouts where cylindrical tanks would waste capacity. Whether installed indoors or outdoors, the water tank rectangular shape provides intelligent use of space while maintaining strong structural stability. This is ideal for small buildings, compact sites, multi-story structures, and industrial plants.

3. Hygienic and Safe for Drinking Water

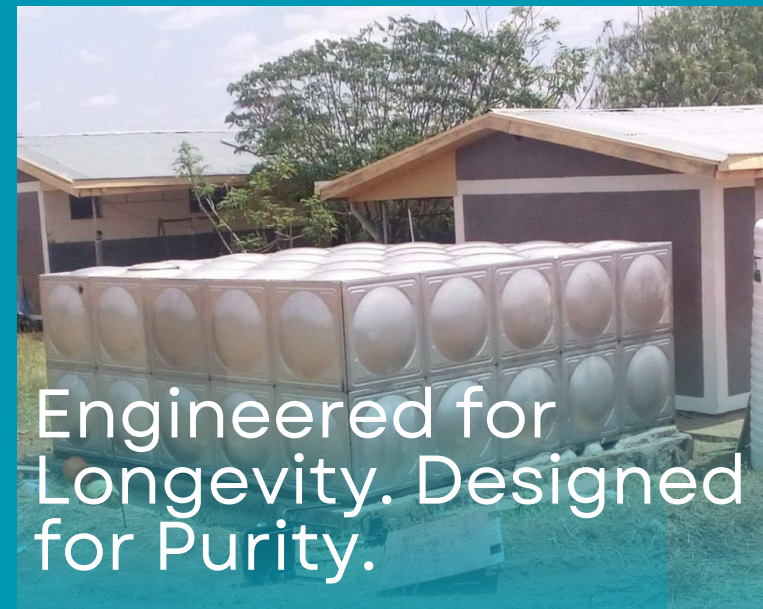
Hygiene is a major priority for water storage systems. A stainless steel rectangular water tank maintains water purity by preventing the growth of algae, moss, and bacteria. The smooth inner surface ensures no sediment buildup, making it ideal for:

- Drinking water supply
- Food processing plants
- Medical facilities
- Laboratories
- Pharmaceutical operations

With no chemical reactions between steel and stored water, you get clean, odor-free, and safe water at all times.

**WE SAVE AND
STORE EVERY
DROP !**

BLUE NILE TANKS



4. Easy Transport, Installation & Maintenance

Despite their strong build, the tanks are lightweight and easy to transport, making them cost-effective to install. The modular design ensures quick on-site assembly without heavy equipment. Maintenance is extremely simple, as water tank rectangular interiors can be easily cleaned, inspected, and serviced due to access ladders, manholes, and smooth internal panels.

5. Full Customization Options

From small unit storage to large-scale industrial use, the rectangular water tanks can be customized in virtually every aspect:

- Height, width, length
- Stainless steel grade
- Panel thickness
- Mounting structure
- Water inlet/outlet placement
- Internal baffle options
- Manhole and inspection port designs

This flexibility ensures a perfect match for your installation environment and operational requirements.

Applications & Use Cases

1. Residential Homes & Buildings

Rectangular stainless steel tanks are widely used in villas, apartments, and small residential buildings for storing drinking water, rainwater, and household supply. Their compact rectangular shape allows easy placement on rooftops, basements, or alongside building walls.

2. Hotels, Hospitals & Commercial Buildings

Hotels, hospitals, shopping centers, and schools prefer rectangular water storage tanks because they provide safe and hygienic water for daily operations. They are suitable for high-demand plumbing systems, food preparation areas, heating/cooling networks, and fire safety water reserves.

3. Industrial & Manufacturing Facilities

Industrial environments rely on stainless steel rectangular water tanks for process water, cooling water, cleaning systems, boilers, and chemical dilution. The tank's corrosion resistance ensures safe usage even in locations exposed to humidity, chemicals, or harsh environmental conditions.

4. Food, Beverage & Pharmaceutical Facilities

Food-grade environments require water that is free from chemical reactions and contamination. A stainless steel rectangular water tank ensures compliance with hygiene regulations, making it suitable for dairy plants, bottling units, food processing, and pharmaceutical manufacturing.

5. Agricultural Water Storage

Farms, nurseries, and livestock facilities use rectangular stainless steel water tanks for irrigation, greenhouse supply, hydroponics, animal drinking water, and fertilizer mixing. The tank supports stable water quality essential for farming operations.

6. Municipal & Emergency Storage Systems

Municipalities, emergency shelters, and fire departments use rectangular water tanks as backup storage for firefighting systems, disaster relief, and water distribution centers. Their durable build ensures reliability during emergencies or long-term storage.

7. Construction & Project Sites

Construction sites use water tank rectangular models for concrete mixing, curing, and cleaning. The tanks withstand rough handling and unpredictable site conditions, making them ideal for temporary or permanent placement.

BLUE NILE TANKS

Maximum
storage,
Minimum
space

7. Long-Term Cost Savings

A rectangular stainless steel water tank offers excellent value due to its long lifespan and minimal maintenance. There is no need for frequent repairs, inner coatings, chemical treatments, or repainting. In environments where water quality must be preserved, the tank helps prevent costly contamination or system damage.

Material Specifications

Material Grades

| SUS 304 (Standard) / SUS 316L (Premium/Hard Water) |

Panel Sizes :

1.0m x 1.0m, 1.0m x 0.5m, 0.5m x 0.5m |

Panel Thickness :

1.5mm to 4.0mm (Calculated per tank height)

Wall Thickness:

Custom-selected thickness depending on project capacity

Joining Method :

High-Precision TIG (Argon) Welding

Internal Bracing :

Stainless Steel Tie-Rods & Stay Plates

Base Support :

Hot-Dipped Galvanized (HDG) Channel Steel

Standard Heights :

1.0m up to 5.0m

PRODUCT OVERVIEW

The Blue Nile Stainless Steel Water Tank is a modular storage solution constructed from high-pressure-formed panels. These panels are joined via professional TIG welding to create a high-strength, hygienic, and leak-proof structure.

Structural & Design Limits :



Max Height: 5.0 Meters (Standard engineering limit)



Sealing: Argon Tungsten Arc Welding



Pressure: Tested at 1.5x operating pressure for 24 hours.

Foundation: Level concrete plinth or steel beam.

Welding: Certified welders + Passivation Treatment.

Cleaning: Chlorine flush (20-50ppm) before first use.

Installation & Maintenance



Before

Component Checklist :

- Access Manhole: Ø600mm, lockable, dust-proof.
- Ladders: Internal (SUS) & External (HDG/SUS).
- Nozzles: Inlet, Outlet, Drain, and Overflow (2" to 8").



After



EVERY DROP MATTERS
SAVING WATER BEGINS
WITH THE RIGHT
STORAGE!

Installation Step-by-Step



Base Channel Assembly: Layout the U-channel or base frames on the foundation and secure them.



Bottom Panel Placement: Assemble the floor panels using the specified gaskets and bolts.



Wall Assembly: Install the first tier of side panels, ensuring vertical alignment. Continue with subsequent tiers.



Internal Reinforcement: Fix the internal tie-rods and roof supports as per the structural drawing.



Roofing: Install the top cover panels, manhole, and air vents.



Fittings: Connect the inlet, outlet, overflow, and drain nozzles.



Want to discuss more?
CONTACT US NOW

09-72-90-91-92



CYLINDRICAL MODULAR WATER TANK

Our company is one of the leading suppliers of GRP water tanks, stainless steel tanks, and cylindrical water tanks in Ethiopia.



info@grpglobaltrading.com



www.grpglobaltrading.com

Mexico **DEBREWERK Tower**, 9th floor office
902 - Addis Ababa - Ethiopia