



NST

NILES
STEEL
TANK®
SINCE 1898



Quality, Shop-Built ASME Code Pressure Vessels
and Steel Tanks to Meet Your Industry Needs.



Contact us for sizes, dimensions and specifications.

NILES STEEL TANK

Niles Steel Tank has been building quality tanks and pressure vessels for a wide range of industries with demanding needs since 1898. We are an American-owned company, and we're proud of the quality craftsmanship that goes into each of our products. Our manufacturing facilities are located in Niles, Michigan.



Our Alloy Works® facility provides expanded capabilities for stainless steel vessels fabricated to the highest standard. We use stainless steel and other alloys to deliver superior strength, corrosion resistance and performance to satisfy virtually any need including hydronics, chemical and petrochemical, dairy and food processing, brewing and winery, pharmaceutical and air products.





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WATER STORAGE TANKS

Niles' Large Volume Water Storage Tanks are built to the highest standards in the industry in accordance with ASME with NSF 372 low lead certified FDA approved linings and designed for years of trouble-free operation.

Our Water Storage Tanks deliver:

- **Long Life.** Our tanks include our Ultonium® glass lining for superior corrosion protection, plus Microban® antimicrobial technology to help prevent the growth of bacteria, mold and mildew on the surface of the tank lining.
- **Flexibility to Your Needs.** Available in a wide variety of capacities (from 210 gallons up to 6,000 gallons) and configurations including both vertical and horizontal orientations.
- **The Topcoat You Need.** Can be delivered bare, jacketed and insulated or our spray-on R-16 topcoat insulation (ideal for outdoor applications).
- **Enhanced Tank Protection.** Power Anodes and our optional Tank Defender® Epoxy Lining are available.
- **Outstanding Warranty.** 5-year limited warranty. 10 Year Warranty on Double Glass Lined Tanks.
- **Stainless Steel Construction.**
 - o 316L passivated with 10-year warranty
 - o Passivated Duplex construction with 25-year warranty

CHILLED WATER BUFFER TANKS

Niles' Buffer Tanks are designed for use with commercial chiller water systems and hydronic heating systems which may have insufficient water volume to maintain optimum operating temperature control. Our buffer tanks are designed to increase the system's capacity to stabilize water temperatures within the chiller manufacturer's recommendations.

- **Variety of Capacities.** 130 to 10,000 gallons and larger tanks available.
- **Quick Ship Inventory.** Five available sizes from 130 to 528 gallons.
- **Vertical and horizontal tank designs are available with a center baffle plate.**
- **Constructed Right.** Buffer tanks are designed under the ASME Code, Section VII., Division I. Tanks are constructed with carbon steel and red oxide shop primer exterior.
- **125 psi – 20 to 400 °F design rating.** Also available in 150 psi construction.
- **Smart Design.** NPT port for air vent located on the top of the tank.



- **Optional features include:**

- Custom inlet/ outlet sizes
- Grooved, Flanged and NPT connections
- Stainless steel construction.
- R-16 spray foam insulation
- Jacketed option
- Manways/handholes available as desired



LARGE VOLUME ELECTRIC POWER WATER HEATERS

Niles' Large Volume Electric Power Water Heaters provide outstanding performance, efficiency and reliability to meet the needs of demanding commercial operations.

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- **Energy-Saving Performance.** High-density closed cell foam insulation meets the demanding ASHRAE 90.1b standard for minimizing heat loss for big savings and operating efficiency.
- **Accurate Magnetic Contactors with Immersion Thermostats.** 120 volt control circuit with built in transformer. Elements are thermostatically controlled in 54kW (max) increments for greater accuracy.
- **Reliable, Low Watt Density Incoloy Elements.** Copper-sheathed elements successfully resists the effects of prolonged high operating temperatures, hard water, acids, corrosion and thermal shock. Provides long life and reliable operation even under difficult conditions.
- **Glass-Lined Tank for Superior Protection.** Ultonium® glass lining with Microban® is applied to the interior surface of the steel for superior protection against corrosion. Microban® antimicrobial technology helps prevent the growth of bacteria, mold and mildew on the surface of the tank lining.
- **Magnesium Anode Protection.** Provides anodic protection against corrosion of the tank due to electrolysis.
- **Easy Inspection and Maintenance.** Full-length hinged door with key lock for ease of inspection, maintenance and increased security.
- **Easy-to-Read Digital Temperature Display.**
- **NSF 372 Low Lead Certified & FDA Approved Linings.**
- **Temperature and Pressure Relief Valve.** Factory provided ASME rated relief valve protects against excessive temperature and/or pressure buildup within the tank.

POWER PLATE

The Niles' Power Plate water heating system is a performance-driven water heating package with your choice of water storage tanks up to 2,500 gallons. The unique Power Plate heat exchanger design provides high rates of heat transfer requiring less surface area than conventional shell and tube heat exchangers.

Combine the performance of the Niles Power Plate with our Ultonium® glass-lined with Microban® or stainless steel alloy storage tanks for the Ultimate Domestic Water Heating Delivery Package.

The Niles' Power Plate includes:

- **Brazed Plate Heat Exchanger.** 316L stainless steel construction.
- **Performance Driven.** Recovery rates from 300 to 4,200 GPH. Up to 300 GPM.
- **High Efficiency Design.** High rate of heat transfer in compact space.
- **Flexible to Meet Your Needs.** Compatible with any size storage tank.
- **Stainless Steel options available.**





NILES IS
**AMERICAN
STRONG™**

Learn more about Niles Steel Tank products by visiting
nilesst.com or contacting info@nilesst.com.



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Products made by Niles Steel Tank are manufactured in the United States
using the finest raw materials and components from around the world.