



*Welded Steel  
Domestic-Fire  
Combo Tank*

## BreakTank®

### Secure Water Storage for Domestic Use and Fire Protection Systems

ParkUSA manufactures three main types of water storage tanks for domestic use and fire protection systems. Our BreakTank® family includes welded steel tanks, corrugated steel tanks, and precast concrete tanks.

Commonly used in areas with limited water resources, inconsistent water supply and pressure, or settings with high water demand, BreakTanks® are non-pressurized atmospheric storage tanks that rely on gravity to provide water flow. Steel water storage tanks are installed above ground and can function as a surge tank if installed upstream of a domestic or fire water pump system. They provide spare water storage and backflow protection by interrupting the connection between the pump and water source.

Precast water storage tanks are typically installed below grade and are structurally engineered for strength and durability. In-ground installation saves space and enhances aesthetics while providing additional security and protection from the elements.

BreakTank® accessories include fill valves, pumps, access hatches, overflow drains, ladders, and automatic control systems.

### Advantages

- Steel or precast models available
- Structurally engineered in sizes from 100 to 440,000 gallons
- High- or low-water alarm system
- Equipped with level control systems, pipe connections, split float access panels, top and side manways, interior and exterior ladders, stilling wells, and anti-vortex plates.
- Built-in air gap for backflow prevention and increased water stability and pressure
- Resistant to wind, snow, and seismic activity
- NFPA 22 compliant tanks support buildings with a substantial risk of fire, such as industrial facilities and high-rise buildings.

### Applications

- Potable water storage
- Fire protection water storage
- Building or green roof irrigation
- Wastewater storage
- Rainwater harvesting

## How It Works

ParkUSA Water Storage Tanks are not pressurized and rely on gravity to provide water flow. In a system with a potable water pressure source, the tank is filled with water through mechanical float-operated or electronic solenoid-actuated valves. Domestic or fire prevention use of potable water is supplied to the building through a domestic booster or fire suction pump.

BreakTanks® are equipped with a level control system that alerts when the level is too high or low. They also feature a sight gauge easy visual inspection. Tanks come with an overflow pipe that allows excess water to escape into a floor drain if the water level in the tank rises too high.

To ensure safe access to the tank, manways are positioned on the tank top and sidewall accessible via interior and exterior ladders. The sidewall manway allows for easy entry from the floor level. Drain ports are located at the tank bottom, and long-lasting interior and exterior liners are standard for corrosion protection.

## Available Models



### Welded Storage Tanks

Designed for domestic or fire water use, this above ground tank is structurally engineered and built to ASTM A36 standards.

*Sizes: 100 to 40,000 gallons*



### Corrugated Storage Tanks

Utilizing corrugated galvanized steel, this lightweight storage tank ships easily for on-site assembly.

*Sizes: 800 to 440,000 gallons.*



### Precast Concrete Storage Tanks

Structurally engineered for strength and durability, these lined precast concrete tanks are designed for direct-bury underground applications.

*Sizes: 500 to 50,000 gallons.*



Full product catalog available at [request.parkusa.com](http://request.parkusa.com)

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[www.parkusa.com](http://www.parkusa.com)



## System Components

**Tank Body:** This is the main body of the tank which holds water. The tank body can be made of welded steel, corrugated steel, or precast concrete.

**Top Manway:** A top manway is a large opening on the top of the tank that allows access to the interior. It is used for inspection, maintenance, and cleaning purposes.

**Interior and Exterior Ladders:** These safety features allow personnel to climb up and down the tank for inspection, maintenance, and cleaning. The ladders can be on the inside or outside of the tank.

**Interior Liner:** Applied to the tank's interior to protect it from corrosion or contamination. Liner material options include HDPE, PVC, or epoxy.

**Fill Valve:** A valve that automatically fills the tank to a preset level when the water level drops below a certain point.

**Sensors:** High- and low-level sensors are used to measure the tank water level.

**Control Panel:** Control panel with alarms that alert the operator when the water level in the tank is too high or low.

**Pump:** A device that pumps water out of the storage tank and into the water distribution system.

