



Vertical Fireguard® Tanks

HT-1163

Fireguard® tanks are thermally protected, double-wall steel aboveground tanks. Fireguard® is an alternative for the safe storage of motor fuels and other flammable and combustible liquids aboveground. They are used where a fire-protected tank is needed because of setback limitations or regulatory requirements. These tanks are UL labeled and meet or exceed the requirements of UL-2085 including:

- Two-Hour Full Scale Pool Fire Test
- Hose Stream Test
- Ballistics/Projectile Test
- Vehicle Impact Test
- Interstitial Communication Test

Blast effect analysis proved Fireguard® resists, with limited damage to the primary steel tank, the effects of a 50 lb man-portable explosive device, a 500 lb vehicle-borne improvised explosive device, and a 10 psig vapor cloud explosion.

Fireguard® Features

Each tank is constructed with a minimum 3" interstice around the inner tank. The interstice is completely filled with a lightweight, monolithic material.

This high efficiency insulation protects the inner tank in the unlikely event of a fire or extreme heat. It is porous to allow fluid migration through the interstice to the monitoring point.

Unlike concrete encased tanks, Fireguard® tanks' steel outer wall protects the insulation, eliminating the problem of cracking and spalling concrete. Because of its unique construction, each tank is pressure-testable in the factory and at the job-site.

With Fireguard®, there is no question of compliance with fire codes; the tank is shipped with factory-installed emergency vents on both the primary and the secondary containment tanks for protection if exposed to fire or excessive pressure.

Drawing & Details

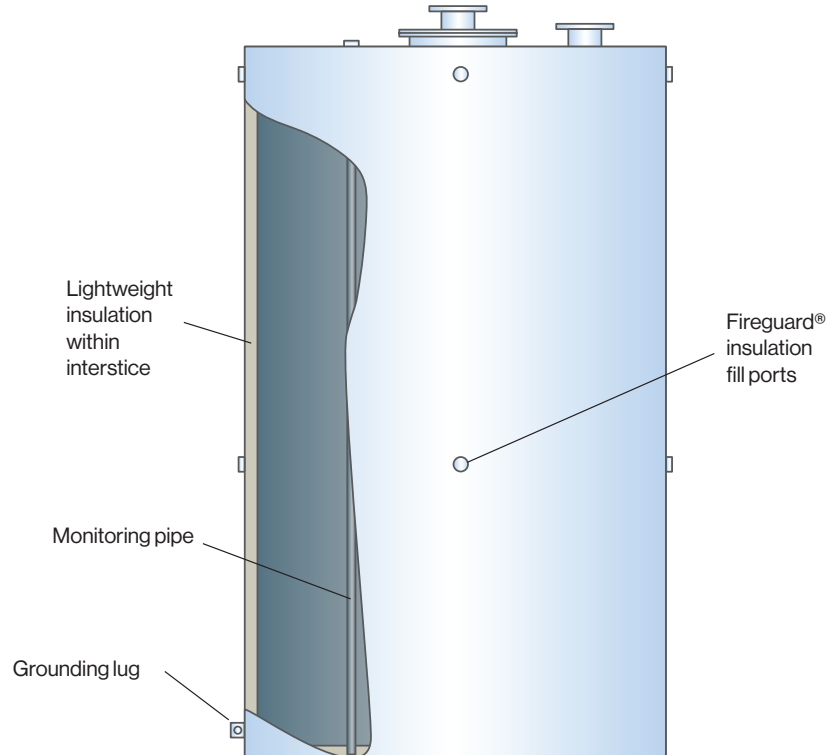
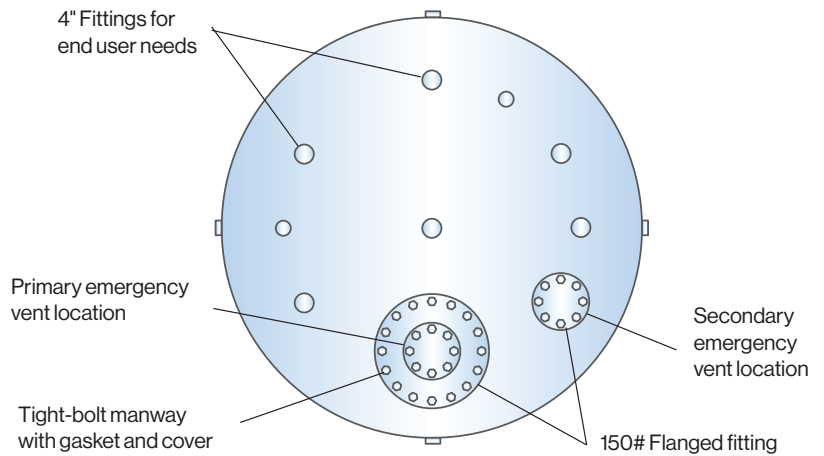
Double-wall, Fire-protected, Solution-oriented Designs

Fireguard® Advantages

- Carries UL-2085 listing as Insulated Secondary Containment for Flammable Liquids
- Lightweight – insulation 75% lighter than concrete – costing less to ship and install
- Reduces tank setback and separation distance requirements by up to 50%
- Fireguard's® secondary containment can be tightness-tested on-site
- Steel outer wall protects insulation
- Also available in rectangular and cylindrical designs
- Wide range of tank capacities: 300-30,000 gallons
- Subject to strict, three-tier independent third-party quality assurance program
- STI® standard 30-year limited warranty

Pre-engineered Fireguard® design options

- Diesel or Biodiesel Blends
- Boiler or Emergency Diesel-Electric Generator Systems
- Gasoline or E85 Ethanol
- Aviation Refueling



Highland Tank offers a wide range of accessories and options to configure your tank for your specific application.



Highland Tank®



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