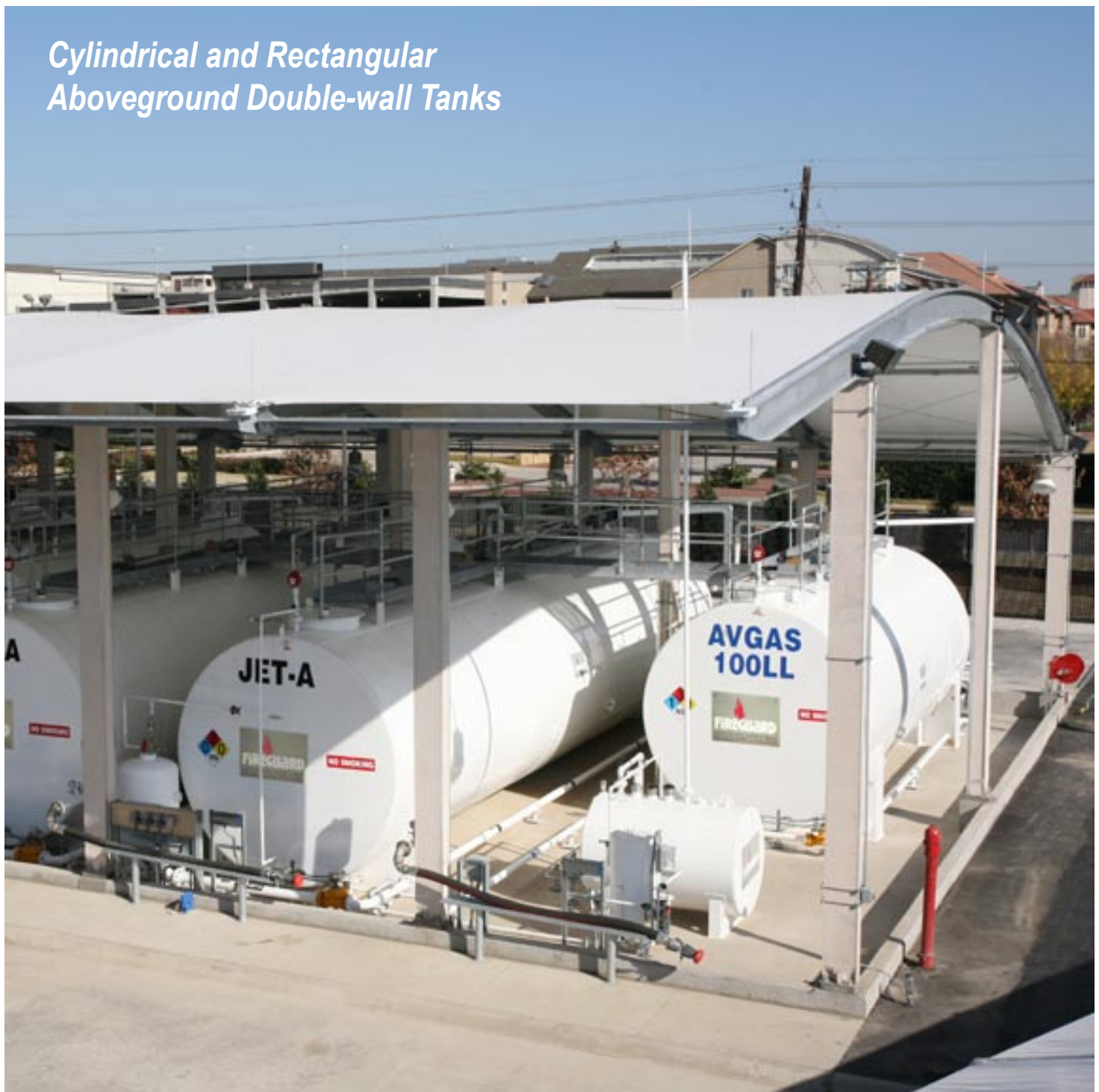


# Fireguard<sup>®</sup> Thermally Protected Steel Storage Tanks



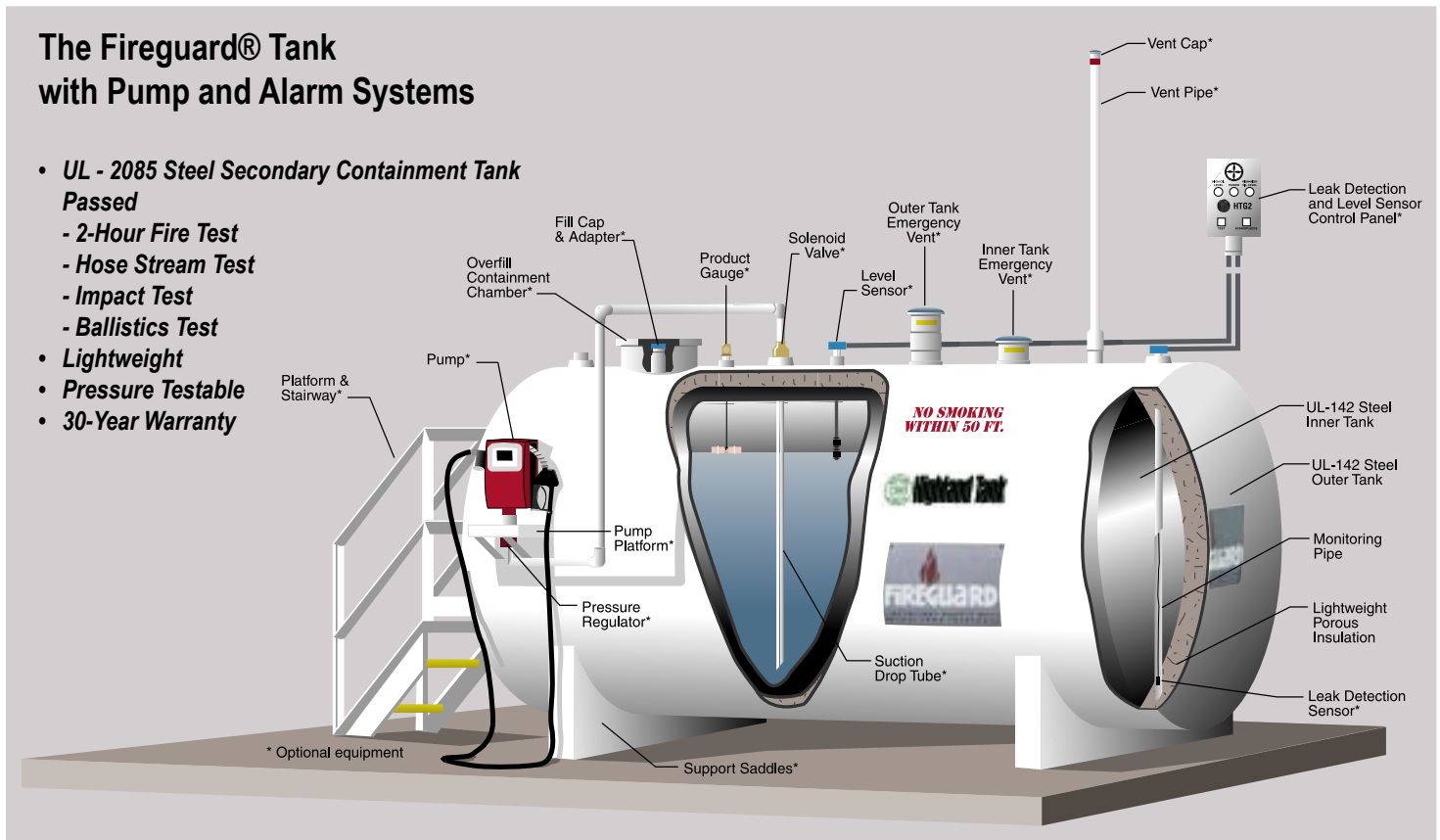
**Highland Tank<sup>®</sup>**

*Cylindrical and Rectangular  
Aboveground Double-wall Tanks*



## The Fireguard® Tank with Pump and Alarm Systems

- **UL - 2085 Steel Secondary Containment Tank Passed**
- 2-Hour Fire Test
- Hose Stream Test
- Impact Test
- Ballistics Test
- **Lightweight**
- **Pressure Testable**
- **30-Year Warranty**



### The Fireguard® is an attractive alternative for complying with the stringent underground tank regulations.

Fireguard® tanks are thermally protected, double-wall steel cylindrical or rectangular aboveground tanks. Fireguards® offer a smart alternative to the problem of safely storing motor fuels and other dangerous liquids aboveground. They are used where a fire-protected tank is needed because of setback limitations and/or regulatory insistence for storage of flammable and combustible liquids. These tanks are Underwriters' Laboratories UL-2085 labeled for Fire Protection, Impact Resistance, Ballistics Resistance and Secondary Containment.

Fireguard® tanks have been proven to meet the requirements outlined in UL-2085 including:

- Two-hour Full Scale fire Test
- Ballistics / Projectile Test
- Vehicle Impact test
- Hose Stream test
- 2-hour Pool Fire Test
- Interstitial Communication Test

Each tank is constructed with a minimum 3" interstice around the inner tank. The interstice is completely filled with a lightweight, monolithic material. This highly efficient insulation protects the inner tank in the unlikely event of a fire or extreme heat. The porous material allows fluid migration through the interstice to the monitoring point.

Unlike outdated concrete encased tanks, Fireguard's® steel outer wall protects the insulation, eliminating the problem of cracking and spalling concrete.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

### Fireguard® Meets or Exceeds These Requirements:

- UL-2085 Standard for Insulated Secondary Containment Aboveground Tanks
- Steel Tank Institute F941 Standard for Thermally Insulated Aboveground Storage Tanks
- UL-142
- 2000 International Fire Code
- NFPA 30 & 30A Codes
- CARB #G-70-162 (California Air Resources Board)
- 1993 Building Officials and Code Administrators (BOCA)
- National Fire Prevention Code
- Southern Building Code Congress International (SBCCI)
- Standard Fire Prevention Code



Fireguard® is a licensed technology of the Steel Tank Institute under US Patent #s 5,695,089 & 5,809,650; Canadian Patent #s 2,141,357 & 2,263,657

## Rectangular Design



Nominal Capacity (Gallons)	Inner Tank			Outer Tank			Thickness	Weight (lbs.)
	W	D	L	W	AOH*	L		
500	3'0"	3'0"	7'6"	4'0"	4'6"	8'6"	10 ga.	3,152
1,000	4'8"	3'0"	9'8"	5'2"	4'1"	10'3"	7 ga.	5,846
2,000	6'4"	4'0"	10'8"	6'10"	5'1"	11'4"	1/4"	10,580
3,000	5'5"	5'5"	13'8"	5'11"	6'5"	14'3"	1/4"	16,151
4,000	5'5"	5'5"	18'2"	5'11"	6'5"	18'9"	1/4"	20,544
5,000	5'5"	5'5"	22'9"	5'11"	6'5"	23'4"	1/4"	25,320
6,000	10'10"	5'5"	13'8"	11'4"	6'5"	14'3"	1/4"	24,372
6,000	5'5"	5'5"	27'4"	5'11"	6'5"	27'11"	1/4"	30,092
8,000	10'10"	5'5"	18'2"	11'4"	6'5"	18'9"	1/4"	31,432
10,000	10'10"	5'5"	22'10"	11'4"	6'5"	23'5"	1/4"	38,623
12,000	10'10"	5'5"	27'4"	11'4"	6'5"	27'11"	1/4"	44,663

## Cylindrical Design



Nominal Capacity Gallons	Inner Tank		Outer Tank			Thickness	Weight (lbs.)
	Dia.	L	Dia.	AOH*	L		
300	3'2"	5'0"	4'2"	5'0"	6'0"	10 ga.	1,874
500	4'0"	5'5"	4'6"	5'4"	6'0"	10 ga.	2,824
1,000	4'0"	10'9"	4'6"	5'4"	11'4"	10 ga.	4,580
1,000	5'4"	6'0"	5'10"	6'8"	6'7"	7 ga.	4,753
2,000	5'4"	12'0"	5'10"	6'8"	12'7"	7 ga.	7,917
3,000	5'4"	18'0"	5'10"	6'8"	18'7"	7 ga.	11,079
4,000	5'4"	24'0"	5'10"	6'8"	24'7"	7 ga.	14,242
4,000	8'0"	10'8"	8'6"	9'4"	11'3"	1/4"	14,327
5,000	8'0"	13'4"	8'6"	9'4"	13'11"	1/4"	16,734
6,000	8'0"	16'0"	8'6"	9'4"	16'7"	1/4"	19,058
8,000	8'0"	21'4"	8'6"	9'4"	21'11"	1/4"	24,577
10,000	8'0"	26'8"	8'6"	9'4"	27'3"	1/4"	29,272
12,000	8'0"	32'0"	8'6"	9'4"	32'7"	1/4"	34,071
15,000	10'0"	25'6"	10'6"	11'4"	27'1"	1/4"	35,079
20,000	10'0"	34'0"	10'6"	11'4"	34'7"	1/4"	45,788
25,000	10'0"	42'7"	10'6"	11'4"	43'2"	1/4"	51,793
30,000	10'0"	51'2"	10'6"	11'4"	51'9"	1/4"	60,517

\*AOH - Approximate Overall Height; AOL - Approximate Overall Length

Highland offers a wide range of accessories and options to configure your tank for a specific application including: Diesel and Gasoline Dispensing, Emergency Diesel-Electric Generator Systems, and Waste Oil Recovery Systems. Compartmented designs, stairs, platforms, and catwalks, electronic leak and level sensing systems, special internal and external coatings, and custom designs are available.

## Weigh the Fireguard® Advantages

- Carries UL-2085 listing as Protected Insulated Secondary Containment for Flammable Liquids
- 2-hour fire rating
- Lightweight — insulation 75% lighter than concrete — costing less to ship and install, and/or relocate
- Reduces tank setback and separation distance requirements by up to 50%
- Pressure testable at site per NFPA 30 1996
- Steel outer wall protects insulation
- Available in rectangular or cylindrical design
- Wide tank capacity range of 300 to 30,000 gallons
- Available with bulkheads for split tanks
- Subject to three-tier Quality Assurance Program for licensed manufacturers
- STI 30-year limited warranty on all tanks