



safety. compliance. reliability.

Core Engineered Solutions features the industry leading ConVault AST as a key component of its integrated fueling systems.



Fleet Fueling / Retail



Emergency Power/Boiler



Aviation Fueling Systems



Marina Fueling Systems



Waste Oil Disposal



Alternative Fuels

# ConVault



## Aboveground Storage Tanks

The innovative design of the ConVault tank (six inches of reinforced concrete protecting both the primary and secondary containment) has earned it the reputation of being engineered for **the ultimate in safety, compliance and value.**

### The Ultimate in Safety

- Carries UL Standard 2085 insulated/secondary for ASTs and is the only AST to carry the UL 752 Security Listing (levels 5, 6, and 8) for ballistic resistance.
- Over 30,00 global installations.
- The only AST to have been subjected to and passed a blast effects analysis (simulated terrorist attack).
- Provides secondary containment.
- Leak monitoring and spill containment are independently tested at the factory before shipment.
- Seamless six-inch concrete vault design offers maximum protection against natural disasters, vehicle, and projectile impact.

### The Ultimate in Compliance

- Meets the latest NFPA and IFC requirements for fuel storage.
- Certified by CARB for Phase I and II balanced vapor recovery, including methanol/ethanol; EPA secondary containment requirements 40 CFR 112.7(c).

### The Ultimate in Value

- Low maintenance concrete exterior eliminates costly problems associated with rusting steel exteriors.
- Exterior steel fittings are powder coated to inhibit rusting.
- Factory installed dispensing equipment and accessories minimizes on-site expenses.



# ConVault Aboveground Storage Tanks

- 1. Aboveground** – The ConVault fuel storage system is not subject to underground storage tank regulations for petroleum based products, chemicals or hazardous wastes. Sizes range from 125 to 12,000 gallons, including dual compartment tanks.
- 2. Complete Turn-Key System** – Over 30,000 customized, turn-key systems have been installed nationally. Tanks are delivered from one of the eight convenient regional manufacturing plants ready to use—no waiting. ConVault fuel storage systems are manufactured under strict quality control standards. There is no need for excavation, dikes, painting or on-site assembly.
- 3. Long Life Guarantee** – ConVault tanks come with a 20 or 30 year warranty. The steel tank is isolated from the concrete encasement to assure corrosion protection.
- 4. Fire Protection** – ConVault’s seamless, six inch, reinforced concrete enclosure provides two-hour fire protection. This has been confirmed by independent, third party testing labs such as Warnock Hersey International, Underwriters Laboratories (UL) and Underwriters Laboratories of Canada (ULC).
- 5. Secondary Containment Design** – A high performance, 30 MIL high density, polyethylene membrane encloses the primary tank to provide UL Listed (non-metallic) secondary containment, protected by a six inch, reinforced concrete monolithic encasement.
- 6. Leak Detection** – Through-the-tank leak detection design assures that the interstice may be manually or electronically monitored. The ConVault system rests a minimum of four inches above the ground on unitized concrete support legs to allow for complete visual inspection.
- 7. Thermal Protection** – ConVault’s monolithic concrete enclosure and insulation layers provide thermal protection that minimizes temperature change for flammable liquids stored in excessively hot or cold environments. The system contains no heat transfer points or cold joints on the bottom or sides. Insulation minimizes vapor loss and viscosity problems due to temperature variations. ConVault systems are California Air Resources Board (CARB) certified for Phase I and Phase II Vapor Recovery for gasoline, ethanol and methanol.
- 8. Spill & Overfill Protection** – A seven gallon UL Listed containment basin provides added protection against accidental spills. In addition, the tank can be easily equipped with auto shut-off devices and alarms.
- 9. Weather Resistant Exterior** – Low maintenance finish options protect the tank from damage due to outdoor elements. Powder coating of external steel fixtures inhibits rusting.

