



**FES FIRE RATED TANK SYSTEM**

FES are a significant manufacturer of a large range of containerised equipment to meet customers requirements. Included within the range of Tanks is the range of Fire rated tanks produced under licence from STI. This range of tank systems whilst utilising the basic format of ISO dimensioned tanks allows FES to continue to provide unique solutions for the storage and handling of a large range of combustable and flammable liquids. At the same time we do so utilising some of the world leading safety standards.

The FES range of fire rated tanks carry their own UL 2085 approval thereby guaranteeing compliance and testing to internationally recognised standards. Strict third - party quality control and inspection is part of the manufacturing process. The tank units are fully compliant with a range of international standards A.S. 1940, UL 2085, ULC, SANS 10131

The tank systems offered within this technology, like the complete range of FES tanks, maximise storage capability whilst minimising the footprint in the process.

The standard structural warranty is 5 years from date of manufacture.



Service station enclosed tank



Small Service station system for motor spirit



Dual compartment FGT Series



Dual compartment tank top emergency venting



ISO FGT series tank



ISO FGT series motor spirit tank

## FIRE RATED TANKS - Models and Dimensions (All dimensions in millimetres and weights in kilograms (1) is approximate weight)

The range of tanks are designed for the storage and dispensing of the complete range of combustible and flammable products. Dual compartment tanks with options of storage are available to suit customer requirements.

Model	Standard SFL(1)	Length	Width	Height	Tare Weight
FGT 1	1000	2095	1040	1500	770
FGT 2	2000	2199	1665	1500	1177
FGT 3	3000	2200	1753	1500	1305
FGT 5	5000	2713	2200	1500	1780
FGT 10	10000	5221	2200	1500	2946
FGT 15	15000	2991	2438	2896	5000 (1)
FGT 27	27000	6058	2438	2896	7046
FGT 60	60000	12192	2438	2896	16000 (1)

### DETAILS

The FGT series of tanks are a range of tanks manufactured under licence to STI. As a licenced manufacturer under this program FES Energy participate in the very strict Quality Assurance program. FES Energy have received independent UL 2085 listing for the tanks we manufacture. This enhances our complete product offering into the market.

The tanks are double walled fire rated fire-protected above ground storage tanks.

The steel inner and outer walls provide the protection for the unique light weight thermal insulation material that exceeds the 4-hour fire test. This material is approx. 75% lighter than concrete this allows reduction in logistics and relocation costs.

The interstitial space can be monitored for leak detection.

The system insulates product in the tank from ambient temperature variations, reducing emissions to the environment.

The tanks manufactured under this program meet or exceed the following standards:

- UL 2085 Listed protected tank NFPA 30 AND 30A
- International Fire Code (IFC)
- California Air Resources Board (CARB) Standing Loss Control testing requirements for air emissions.
- Steel Tank Institute (STI) Standard F941 for Protected Aboveground Storage Tank.

### SPECIFICATIONS

- TANK - Self bunded with internal tank and external bund.
- Corner container lock castings, Internal ladder for access, Three 600mm manholes, Air breather vents for free venting, Containment compartment (internal bund) with emergency vent, Calibrated contents dip stick, Interstitial space dip stick, Top roof section designed to release water as it sits above the side rails of the tank, Lockable top sump for access points.
- Additional sockets, doubler pad points available to suit applications, Unit sand blasted to SA2.5, Underside of the base bitumen coated for protection, Paint coating to C5-1 harsh environment standard, three coats Hempel paint to 240 micron thickness.
- Statutory signage to suit end use location, Tanks manufacture and compliance plates.

Cube style FGT series tank 2 compartment



Installed FGT series tank



### OPTIONS

- The FGT series of tanks provide the ability to utilise the inherent safety features when looking for unattended refuelling with both combustible and flammable liquids. FES Energy can and have designed a range of systems for this application incorporating the tank, dispensing equipment, canopy, along with the safety accessories.

### ACCESSORIES

- **Spill Containment Sumps** used whilst either delivery or receiving vehicles are parked in close proximity to the tank
- **Remote Pump Bunds** used in conjunction with the range of bulk tanks to provide a secure housing for dispensing equipment



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