

FES 博睿

PFS (Portable Fuel Station) Tank Systems

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 PFS tanks produced to provide a range of unique self bunded tanks with smaller capacities to provide refuelling stations with a very small footprint.

This range of tank systems whilst utilising the basic format of self-bunded tanks allows FES to continue to provide unique solutions for the storage and handling of a large range of combustible and flammable liquids. At the same time we do so utilising some of the world leading safety standards.

The FES range of PFS tanks comply with our range of approvals being UL 142, ULC S601, A.S.1940, SANS 10131, thereby guaranteeing compliance and testing to internationally recognised standards. Strict third - party quality control and inspection is part of the manufacturing process.

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.



Tank Models and Dimensions

(All dimensions in millimetres and weights in kilograms)

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. Standard tanks are 5mm internal tank with 3mm external shell thickness.

Model	Standard SFL(1)	Length	Width	Height	Tare Weight
PFS 5	5000	1950	2200	2500	1874
PFS 13	13000	3950	2200	2500	3018
PFS 17	17000	4717	2200	2500	3395

TANK SPECIFICATIONS

- **Tank** - Unique range of tanks manufactured in a similar manner as the ISO range of tanks – however these tanks have different dimensions so cannot be shipped as containers. They are manufactured so they can fit inside standard high cube. 2 x PFS 17 OR 3 x PFS 13, or 5 x PFS 5 will fit into a 40 foot HC containers for shipping by road, rail or sea.
- Internal ladder for access, 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.

Pump Bund

- Pump Bund - Bunded pump bay on all ISO range of tanks with the balance utilising the Cube design.
- Bunded pump bay complete with water / product release valves, Internal floor joists bolted for pipe work access, Conduit access and mounting place for electrical sub boards, Internal access for hoses from pylon kits, Pylon kits with counter weights (optional), Can also offer optional access ladder front mount – this reduces the size of the doors.



Incoming Fuel/Product

- Tanker fill point complete with 80nb full bore 3 piece fire safe flanged ball valve, camlocks adaptor and cap, non return valve, pipe work into ullage space painted to U.N. specifications for combustible liquids, mechanical overfill valve (options available) internal pipe work.
- High level alarm – hazardous rated, battery powered.

Outgoing Fuel/Product

- Anti-siphon valve – options available to satisfy standard flow suction or high flow transfer pumps, pipe work terminating under walkway – flanged.
- Allowance made in both manholes for the mounting of submersible pumps – standard.

ADVANTAGES

These units are ideal for smaller end users with medium sized fleets that do not require the traditional volume of storage provided by ISO dimensioned tanks. They are also suitable as retail unattended systems for combustible liquids. The pump bay provides enough capacity to mount medium or high flow dispensers along with ATG systems and control systems able to be accessed remotely to suit.



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