



**FIREGUARD®  
CONSTRUCTION PROFILE**

- 1 Inner Tank Space (Product)
- 2 Inner Primary Tank (UL Standards)  
Interstitial Space - Fire Resistant
- 3 Lightweight Thermal Insulation  
-Unique feature that helps Fireguard tank exceed the UL 2Hr/4Hr fire test.  
-Sufficient porous to facilitate quick emergency venting and/or leak detection
- 4 External Secondary Tank (UL Standards)
- 5 Outside Space / Environment

## Product Introduction

Midnight Fuel Systems LTD. has developed a modular, portable, unmanned fuel station designed to provide safe, reliable, and code-compliant fuel dispensing in locations where permanent fuelling infrastructure is unavailable or impractical. The system integrates certified aboveground, double-wall, protected storage tanks with secure dispensing equipment in a compact, transportable enclosure. This fuel station concept is intended for use in commercial, industrial, agricultural, and public-access environments where safety, regulatory compliance, and operational reliability are paramount. The purpose of this product is to provide a turn-key, self-contained fuelling solution that enhances accessibility while maintaining the highest standards of fire safety, environmental protection, and operational integrity.

## Product Certifications



- Meets UL 2085, ULC-655 and SwRI compliance as standard.
- Double-wall tank construction consists of up to 6mm mild steel primary and secondary tank construction with fire resistant lightweight concrete insulation.
- 4hr fire protection as standard.
- Interstitial space can be monitored for leak detection.



MODEL (NPB) Denotes: No Pump Bay	CAPACITY US Gallons (Litres)	SFL US Gallons (Litres)	LENGTH Inches (mm)	WIDTH Inches (mm)	HEIGHT Inches (mm)	TARE LBS (kg)	PUMP BAY
<b>FGT 45 4HR</b>	11,386 (43,100)	11,988 (45,380)	480 (12,192)	96 (2,438)	102 (2,591)	42,456 (19,298)	Yes



## Product Capabilities

- Tank comprises of dip and fill points, aluminium gauged dipstick, galvanized updraft vent breather system and arrangement of threaded suction/return ports and emergency vents
- 6" and 4 "sockets for installation of submersible pumps.
- Audible overflow protection alarm.
- Curved roof feature for water drainage to top of tank.
- One manway access point per tank (minimum).
- Lockable pump bays with banded cowling and dispensing areas.
- Air pressure tested prior to leaving the factory.
- 250 – 300 Micron thickness 'WHITE' paint finish as standard. Other colour options are available upon request.
- Combustible and Flammable liquid safety decals supplied as standard.
- Transportable via tilt tray, side loader or flatbed semitrailer.
- Battery Energy Storage System capable of 30+ hours of continuous off-grid operations.
- Full surveillance system with Cloud Gateway portal and 2 way audio communication.
- 6,000GI (22,690L) per fuel storage compartment.
- 2 fuel dispensers capable of dispensing from both sides of the fuel storage tank.
- 10,000kWh Diesel Generator included for B.E.S.S.



## Warranty Information

Midnight Fuel Systems LTD can warrant the range of Fireguard Tanks for a period of 25 years for its structural integrity, 5 years for the paint work and 2 years for tank components, provided that:

1. The tanks were installed and operated in accordance with their design and are used according to its normal operating conditions.
2. The tanks receive maintenance and protection by suitably qualified personnel.
3. The tanks were not subject to negligence, accidents, or any form of misuse.
4. Any modifications done without proper consultation with M.F.S. will void this warranty.
5. M.F.S.'s manufacturer's warranty exclusively covers the bare tank only and does not include additional ancillary parts such as dispensing equipment, loading pumps, automatic tank gauging, fuel management systems, etc.
6. M.F.S.'s manufacturer's warranty covers parts only. Labour and travel costs are not included unless approved by a M.F.S. Representative.

For any claims for warranty, the faulty item shall be inspected by a M.F.S. (or its accredited representative) prior to any approval of claim or replacement of the equipment.

