innovate · create · execute

"DROP & GO" FUELLING SYSTEM

Pioneer of Refuelling Equipment & Support Services

REFUEL INTERNATIONAL



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innovation

"Drop & Go" systems with fully multi-modal solutions to suit any environment





Combining the extensive experience in liquid transport with a deep knowledge of pumping, filtration and fuel polishing, Refuel International has created the fuel and liquid supply containerised units for aerospace and defence industry.

Refuel International Containerised Refuelling System is built to standard ISO container sizes, complete with corner castings and lifting lugs integrated for lifting, loading and securing, enabling easy shipping and transport worldwide.

Targeted at specialist markets including defence and aerospace, Refuel International is offering the industry a high quality solution for:

- Refuelling solutions for fixed and rotary wing aircraft including de-fuelling and additive mixing
- "Drop and Go" fuelling and icing systems
- High volume ground storage
- High mobility, fully multi-modal solutions for use in any environment
- ICAO /IATA approved
- Extreme climate operations

Refuel International designs and manufactures the Fuelling Module and its operating system, which is then integrated into a QHC containerised tank. The System consists of a customized 3° slope to a single sump from where water is pumped out using a diaphragm pump located on the fuelling module. The tank is fitted with access cover, pressure and vacuum vents and an electronic level sensing system. The content level of the bulk tank is displayed in liters via an LFD-6 mounted on the fuelling module.

FEATURES

- Rate of 200 L/min max
- Stainless steel inner tank
- Turnkey installation
- Controlled containment of leaks and spills
- Overfill protection and level control
- Designed for harsh operating environments with minimal site preparation
- Low maintenance cost
- Designed for easy transportation
- Can be customised to suit customer specification

SPECIFICATIONS

FEATURE	DESCRIPTION
Collector Tank	SFL 1-compartment stainless steel inner tank. Evacuation by eduction via product pump & manual drain valve. Collects clean fuel from DP Gauge & Fuel sampling. Contents level sight-glass, High Level float-switch fitted for alarm and fuel stop. Fitted with OVERFILL PROTECTION and High-High Pre-check
Fuelling	Overwing Refuelling External Source Loading (Bottom Load) External Suction (from drum stock) Delivers fuel at approximately 200 LPM Max.
Overfill Protection	Electrical & pneumatic - In tank Electronic Level Probe Sensor and Mechanical Float Valve on inlet
Electrical	External 400v AC supply. Provides power for module & WEG Ex'd, 7.5kW, 132M, 400v Electric motor
Hydraulics	100L Oil Tank & AR22FRHLCSK40Y hydr Pump on electric motor gives hydr pressure for 40MH* & 101* drive motors.
Pneumatics	Hydraulically-driven Compressor in cabinet, single air receiver / tank
Interlocks	Electric & Pneumatic - Electric sensors fitted to Nozzle, Loading adaptor. Electro-pneumatic pressure switches fitted for Low Air pressure, motor starting
VELCON Filter Monitor and Cartridge	Filter Monitor: 5" VELCON VF-61 Cartridge: Model: ACO-51201P
Product Pump	Gorman Rupp-02F1 GR 2" Centrifugal self-priming
Meter and Register	Isoil SBM 75 meter with mechanical register & Isoil LFD-6 large Digital Display.
Hose-reel, Overwing hose & nozzle	One Hydraulic rewind drum hose reel and Overwing nozzle
Fuel Sampling	4 litre Aljac - Filter Inlet & Outlet sample valves provided
De-pressurisation	Automatic plus manual button Provides de-pressurisation to ~20psi, dumping pressure in the pipework & hoses to the product tank when fuelling complete. *De-pressurisation check valve set at 20-25 psi
Static Bonding Reel	Manual rewind, 30m yellow PCV coated cable, h/duty clip.