



Low Emissions Refuelling Powered by Fueltronic™



Hydrant dispenser with operational flexibility to refuel the largest commercial aircraft or the smallest regional jets. Flowrates up to 3,800LPM through the twin deck hoses, with a platform reach of 4.2m facilitating refuelling of the Airbus A380. Alternatively, a flowrate of up to 1,000 LPM is possible through the single hosereel. Deck hose pantograph and intake hose hydraulic lift are fitted as standard. The dispenser conforms to latest European Standards EN12312-5 and JIG1 Issue 12 requirements.

Features

Operating Temperature of -20°C to +50°C

Dimensions

Height: 2.60m +/- 50mm (excluding beacon)
Width: 2.85m (3,00m over hose trolley wheels)
Length: 7.90m

Flow Rate

3,800 LPM through 2 x deck hoses
1,000 LPM through 1 x reel hose

Filtration

Filter water monitor or filter water separator constructed in carbon steel with epoxy coat lining meeting the latest requirements of IP1583 and IP1581 respectively and is fitted with high differential pressure shutdown system. Satam positive displacement meter with EMR3 Electronic Display.

Meter

Hoses

Aviation hoses meeting BS EN ISO 1825 type 'C' Goodyear or Elaflex

- Intake Hose
- Reel Hose
- Deck Hoses

Ø100mm x 11.5m long (Optional 3m extending boom)
Ø50mm x 20m long
Ø63mm x 3.5m long

Elevating platform

Hydraulically powered scissor mechanism platform with floor to ground height range from 1.5m to 4.2m. Platform equipped with raise/lower control and emergency lower control valve.

Intake Coupler

Ø100mm API coupler incorporating secondary pressure control sensed from either deck hose or reel hose fully compensating venturi's.

Hose End Equipment Controller (HEPC)

Hose end pressure control (HEPC) couplings equipped with 45psi regulator, vacuum breaker, 100mesh screen.

Safety Equipment

Fire extinguisher – 2 x 9kg BC dry powder fitting inside enclosed Container
2 x Bonding reels – manual rewind with 30m of clear PVC insulated copper cable
ATEX approved electrical barrier system.

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Interlocks

Pipework

Hosereel

Dumptank

Options

Intake Coupler & HEPC

Pit Buddy

Intake Hose

Shock Alleviator

Chassis

Lanyard reel – manual rewind with 20m of red PVC coated stainless steel cable and hook.

FuelTronic© II refuelling management system incorporating deadman timer and Interlock Monitoring System.

Brake interlock system preventing the vehicle from being moved if any item is left unstowed. Items protected are:

- Power take off engaged
- Stabiliser legs not fully raised
- Pit coupling not stowed
- Elevating platform not lowered
- Deck hose support pantograph not lowered
- Deck hoses not stowed
- Reel hose not stowed
- Bonding reels (x2) not stowed

Constructed in grade 304L 10s seamed Stainless Steel tubing throughout.

Single pedestal mounted hosereel with double race ball bearings and hydraulic rewind

120L capacity fully draining tank with visual contents window and Low, high and high/high float switch system for automatic emptying and emergency cut off in event of overfilling. Equipped with Visual Check Fuel Sampling (VCFS) assembly.

Choice of Avery Hardoll, Carter or Whittaker.

Pit coupling lifter, pneumatically assisted allowing break away of 3rd edition coupling meeting API 1584

Retractable solid pipework extension giving an additional 3.0m length of intake hose.

28L capacity bladder type

Dispenser module can be mounted on a variety of manufacturers 4 x 2 chassis configurations with a payload capacity of 3,200kg, including full electric drive chassis.

