

Hydrant Dispenser



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 hose. Interlock status is continually monitored by FuelTronic© refuelling management system. Pantograph and hydraulic lift up intake rail are standard whilst options include filter water separator in place of fuel monitor.

Features

Dimensions

Height: 2,700mm +/- 50mm (excluding beacon)
Width: 2,850mm
Length: 7,500mm

Flowrate

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

Filtration

Fuel monitor to EI1583, vessel manufactured in carbon steel with internal epoxy coat lining

Meter

Satam positive displacement triple capsule meter with Veeder Root EMR³ electronic display

Hoses

Aviation hoses meeting EN1361 type 'C'

Intake Hose

Ø100mm x 10m long

Reel Hose

Ø50mm x 20m long

Deck Hoses

Ø63mm x 3.5m long

Elevating platform

Hydraulically operated 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 or hose reel fully compensating venturi

HEPC

Hose end pressure controller with 3.1bar pressure regulator

Safety Systems

FuelTronic© refuelling management system incorporating deadman timer unit whilst monitoring up to 16 interlocks
Fire extinguisher – 2 x 9kg BC dry powder fitting inside enclosed container
Bonding reel – manual rewind with 30m of clear PVC insulated copper cable

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Interlocks

Lanyard reel – manual rewind with 30m of red PVC coated stainless steel cable

Pipework

Contactless intrinsically safe electrical system

Hosereel

Stainless steel in grade 304

Dumptank

Single pedestal mounted hosereel with double race ball bearing intervals and hydraulic rewind

100L 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

Options

Intake Hose

Retractable solid pipework extension giving an additional 1.5m – 3.0m length of intake hose

Shock Alleviator

28L capacity bladder type

Chassis

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

Filtration

Filter water separator fitted in lieu of fuel monitor

