

Military 5000Litre Aircraft Refueller



Specification

A 5,000L rigid refueller mounted on a 4x2 chassis. The refueller is equipped with 1x overwing hose, single meter and filter water separator or an optional filter monitor. Options include a waterproof cabinet. The refueller conforms to latest European Standards EN12312-5 and JIG1 issue 12 requirements.

FEATURES

Dimensions

Operating Temperature of -20°C to +50°C
Height: 3.20m +/- 50mm (excluding beacon)
Width: 2.50m
Length: 8.45m

Flowrate

Fuelling

300LPM through 1 x overwing reel hose

Bottom Loading

1,500LPM

Fuel Pump

Gorman Rupp 03 Series Self-priming centrifugal pump (PTO driven)

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

Meter

Satam positive displacement meter with mechanical display

Hoses

Aviation hoses meeting BS EN ISO1825 type 'C' Goodyear

Reel Hose Overwing

Ø38mm x 25m long

Hose End Pressure Controller (HEPC)

Elaflex ZVF40 trigger nozzle overwing

Hose reels

Single volute pedestal mounted hose reels with double race maintenance free ball bearings and chain driven hydraulic rewind

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Refueller Tank

5,000L usable capacity, constructed in aluminium alloy with 3% expansion allowance

One external Ø500mm manhole/lid with pressure vacuum vent with roll over safety valve and flame trap on vent valve

Internal Ø610mm access manholes

Single Ø254mm Bayham contents gauge

Calibrated dipstick in Litres

Valance tank top to protect the handrails and man lid in the event of a roll over

Forward access ladder, pneumatically actuated folding safety rail and non- slip walkway

Primary and secondary overfill prevention system

Safety Systems

Fire extinguisher – 2 x 9 kg BC dry powder fitting inside enclosed container

Bonding Reel – manual rewind with 30m of clear PVC insulated copper cable

ATEX approved electrical barrier system

Interlocks

Brake system preventing the vehicle from being moved if any item is left unstowed

Items protected are:

- Product pump drive mechanism
- Reel hose HEPC and trigger nozzle stowage
- Bottom loading connections
- Outside source connection
- Bonding reel
- Tank top guard rails

An emergency interlock override system is provided

Pipework

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

OPTIONS

Chassis

Chassis manufacturer typically chosen from: MAN, Renault, or DAF, in 4x2 configuration

Other chassis manufacturers available be request