

Standard 12,500 Litre Capacity Aircraft Refueller



A 12,500L useable capacity rigid refueller mounted on a 6x4 chassis. The refueller is equipped with 1 x underwing and 1 x overwing hose, single meter and filter water separator or an optional filter monitor. Options include a weatherproof 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

1,000 LPM through 1 x underwing reel hose
300 LPM through 1 x overwing reel hose

Defuelling Bottom loading

200 LPM through 1 x underwing hose
1,500 LPM

Fuel Pump

Gorman Rupp 03H1 Series Self-priming centrifugal pump (PTO driven)

Filtration

Filter water monitor constructed in carbon steel with epoxy coat lining meeting the latest requirements of IP1583 and is fitted with high differential pressure shutdown system.

Meters

Satam positive displacement meter with EMR4 Electronic Display

Hoses

Aviation hoses meeting BS EN ISO 1825 type 'C' Elaflex.

Reel Hose Underwing Reel Hose Overwing

Ø50mm x 25m long
Ø38mm x 25m long

Hose End Pressure Controller (HEPC)

Carter 64348 HEPC nozzle underwing, one Elaflex ZVF50 overwing trigger nozzle

Refueller Tank

10,000L 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.

Standard 12,500 Litre Capacity Aircraft Refueller

Safety Systems

Rear access ladder, pneumatically actuated folding safety rail and non-slip walkway
Primary and secondary overfill prevention system

Fire extinguisher – 2 x 9kg 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

FuelTronic© II refuelling management system incorporating deadman timer and brake interlock monitoring system.
Brake system prevents 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.

Hosereels

2-off Single volute pedestal mounted hosereels with double race maintenance free ball bearings and chain driven hydraulic rewind

Dumptank

55L capacity fully draining manually emptied tank with visual contents window, high level float warning system and equipped with Visual Check fuel Sampling (VCFS) assembly.

Cabinet

Weather protective cabinet with roller shutter doors encapsulating the fuel system delivery equipment

Chassis

Chassis manufacturer: MAN, in a 6x4 configuration.
Other chassis manufacturers available upon request

