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2012 MAN TGM 22,000 Litre Aircraft Refuel Bowser

Specification:

Chassis:

2012 MAN TGM 26.340 6x2 Chassis with rear lift / steer
Equipment Cabinet behind cab
Brake interlock system
Fire Extinguisher cabinet
Spill Kit Cabinet
Cab interlock monitor box

Tank:

22,000 Litre Aluminium Single Compartment Tank
1 x Access Man lid
Dip Tube
1 x Sump Drain Points
1 x Rapid Drain Point
4" Emco Wheaton Foot Valve – Pneumatic control
4" Eaton Bottom Loading Valve with Primary & Secondary Overfill prevention
Bayham 6" Tank Contents Gauge
Tank Top Access Ladder
Tank handrails

Pump:

3" Gorman Rupp Hydraulic Driven Self priming Pump
Flow Rate – 900 Litres per minute through single 2" Hose

Inline Pressure Controller & Deadman

Meggitt Avery Hardoll CCMY 8600 4" Inline pressure controller with Deadman
Deadman handle and cable
Deadman timer system with warning lights and automatic shutdown
Deadman override system on overwing nozzle

Filtration:

Warner Lewis HF-1230 Stainless Steel Monitor Filtration (will take new Velcon CDFX)
(Filter piped so that can be swapped for Velcon HV-1833 FWS with minimal modification)
Air Eliminator Valve
Pressure Relief Valve
High DP Detection with Alarm & Shutdown

Water Detection:

Faudi AF Guard

Meter:

Avery Hardoll Single Capsule BM Meter
Veeder Root EMR3 Electronic meter
Large LED Digital readout (readable from 30m)

Hoses:

25m x 1 ½" Aviation Type C Hose with ZVF 50 Overwing Nozzle
20m x 2 " Aviation Type C Hose with Carter Pressure Coupling
Hydraulic Drive Hose Reels

Bonding Reel:

Stainless Steel spring rewind bonding reel
35m x Bonding cable

Instrumentation:

Pump pressure Gauge
Pump Suction Gauge
Differential Pressure Gauge
Air Control Pressure
Fuel Control Pressure
Hydraulic Pressure
Emergency Engine Stop
Engine / Pump RPM Gauge

Sample System:

Sample points:

Main Tank Sample	(to bucket)
Filter Sump	(to bucket)
Filter Inlet	(to Glass VSI Jar)
Filter Outlet	(to Glass VSI Jar)
Dump Tank Drain	(to bucket)

Closed circuit sample system to include:

- 4 Litre glass visual inspection jar
- 100 Litre Aluminium Dump tank
- Recycle facility back to tank