

## **45,000 Litre Articulated Aircraft Refuel Bowser**



### ***General Description***

#### ***Tractor Unit:***

New or used. Supplied by Customer or AFS  
Blackmer Hydrive Hydraulic Power Pack Unit  
External engine throttle control  
Fire Extinguisher cabinet  
Spill Kit Cabinet  
Cab interlock monitor box

#### ***Tank Trailer:***

45,000 Litre Aluminium single compartment purpose built aviation refueller tank  
Tandem Axle Configuration – Spring Suspension  
2 x Access Man lids  
Dip Tube  
1 x Sump Drain Point (dead stock level between 300 – 400 litres)  
1 x Rapid Drain Point  
4" Emco Wheaton Foot Valve – Pneumatic control  
4" Eaton Bottom Loading Valve with Primary & Secondary automatic overfill prevention  
2 x Loading Points on each side of trailer  
Bayham 10 " Tank Contents Gauge  
Tank Top Access Ladder  
Tank handrails  
Fire extinguisher & Spill kit cabinets

#### ***Pump:***

6" Gorman Rupp 06C1-GA Hydraulic Driven Self priming Pump  
Flow Rate – 900 Litres per minute through single 2" (50mm) Hose  
1,800 Litres per minute through two x 2" (50mm) Hose

### ***Inline Pressure Controller & Deadman***

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 for maintenance and testing

### ***Filtration:***

Filter Water Separator or Monitor Vessel – Capable of 2,000 LPM +  
Air Eliminator Valve  
Pressure Relief Valve  
High DP Detection with Alarm and Shutdown  
Faudi Av Guard Water Detection

### ***Meter:***

Avery Hardoll Double Capsule BM Meter  
Veeder Root EMR4 Electronic Meter  
Large LED Display (visible to 30m)

### ***Hoses:***

2 x 20m x 2" (50mm) Aviation Type C Hose with Carter Aviation Refuelling Coupling  
1 x 25m x 1 ½" (38mm) Aviation Type C Hose with Elaflex ZVF50 Trigger Nozzle  
Hydraulic Drive Hose Rewind

### ***Bonding Reel:***

Stainless Steel spring rewind bonding reel  
45m x Bonding cable

### ***Interlocks:***

1. Overwing Hose Reel
2. Underwing Hose Reels
3. Bottom Loading Points (both sides)
4. Outside Suction Point
5. Bonding Reel
6. Trigger Nozzle - Spout

All Interlock status shown on Cab Interlock Monitor Box  
Emergency Interlock Override in Cab

### ***Instrumentation:***

Pump pressure / Suction Gauges  
Differential Pressure Gauge  
Air Control Pressure  
Fuel Control Pressure  
Hydraulic Pressure  
Engine / Pump RPM Gauge  
Deadman Operating & Override Lights  
Dump Tank level (Full) Light

**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 (pneumatic pump fitted)

**Paint:**

Trailer painted to Customer Specification

**Warranty:**

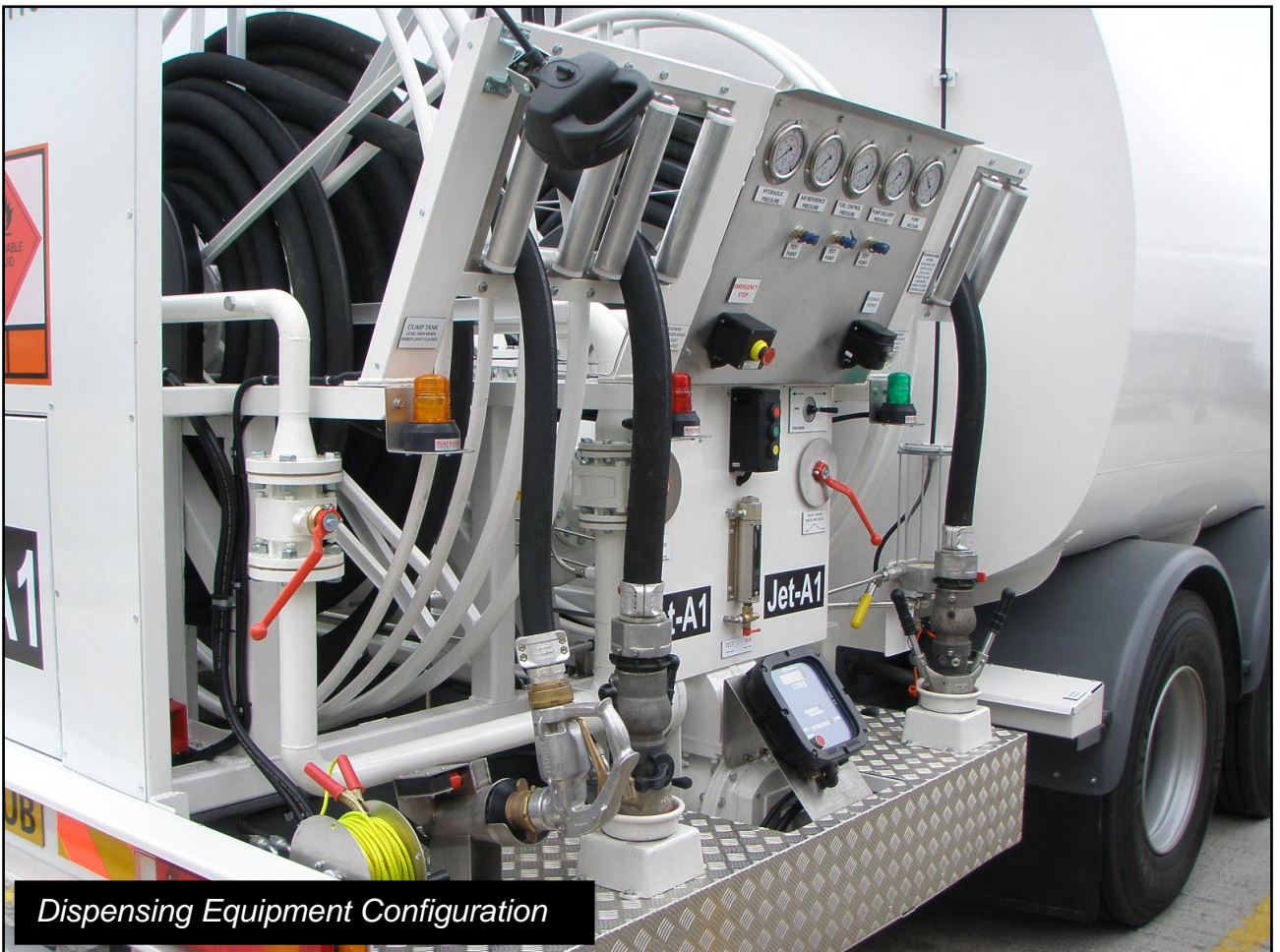
*New Equipment*

45,000 Litre Aluminium tank trailer	5 Years
Tandem Axle running gear	12 Months
Gorman Rupp Pump	12 Months
Avery Hardoll Inline Pressure & Deadman Valve	12 Months
Veeder Root EMR4 Electronic Meter	12 Months
Hoses, pressure couplings and trigger nozzle	12 Months

***Pictures of similar projects completed***



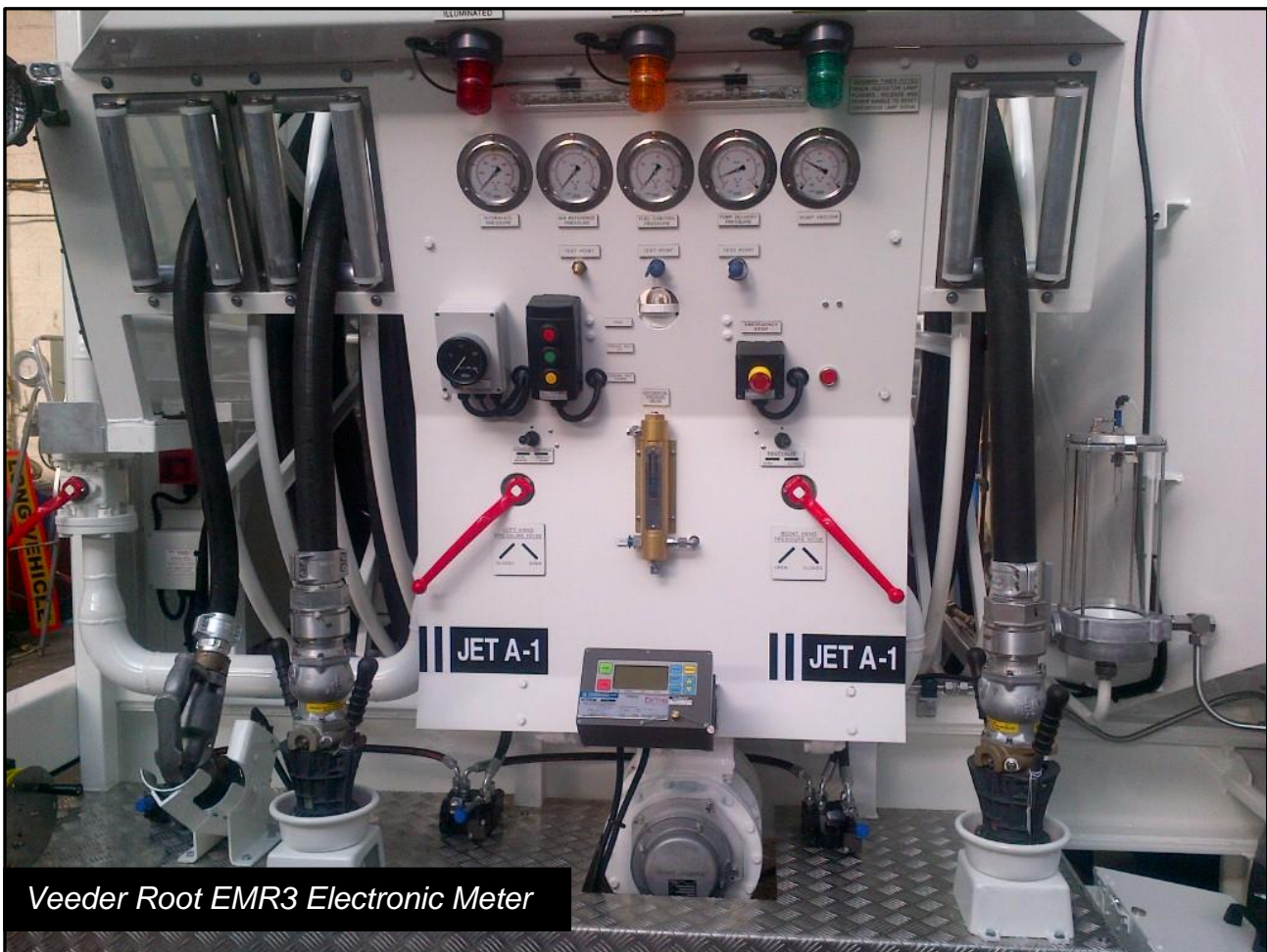
New 45,000 Litre Refueller



Dispensing Equipment Configuration



*Dispensing Equipment Configuration*



*Veeder Root EMR3 Electronic Meter*



*In Cab Interlock Monitor Control Box*

