

Aircraft Refueller & Fuel Bowser

CAPABILITY SHEET - AVIATION FUEL SERVICING VEHICLES - ENGINEERED & BODY-BUILT TO ORDER

THE SYSTEM

WHAT	An aircraft refueller or fuel bowser is a mobile vehicle that carries aviation turbine fuel to a parked aircraft and delivers it clean, measured and safely.
OUR ROLE	Neometrix designs and body-builds the vehicle - tank, fluid system, filtration and metering, delivery and safety fit-out - and overhauls in-service refuellers.
STATUS	Engineered and body-built to order; sized to the capacity, the chassis and the standards. No delivered vehicle or customer is claimed on this sheet.

THE VEHICLE

TANK	A baffled, sloped and often compartmented tank, about 4 kL on a bowser to 38 kL on a refueller, with bottom loading and water drain sumps at the low points.
PUMP + FILTRATION	A pump and manifold move the fuel; a filter water separator with a differential-pressure gauge takes out free water and particulate. This is the defining item.
METERING + DELIVERY	A flow meter with register and preset measures the uplift; hose reels feed an overwing nozzle or an underwing pressure coupling under a deadman control.

CLEAN & SAFE

WHY FILTRATION	Water and particulate must not reach an aircraft fuel system. A coalescer and separator take water out; the pressure drop across the elements says when they are loaded.
WHY BONDING	Fuel flowing through hoses builds static, and a spark near fuel vapour is the accident to design against - so the vehicle is bonded to the aircraft before anything flows.
MEASURED UPLIFT	The aircraft is loaded and trimmed on the quantity, so the meter is calibrated and sealed, and electronic fuel management can log and reconcile every issue.

DISTINCT & HONEST

VS THE LOX TANKER	Our liquid-oxygen tanker is cryogenic and vacuum-insulated; this carries a flammable liquid and lives on filtration, metering and static control. Different machines.
OUR FRANCHISE	It is fabrication, fluid systems and vehicle body-building - our competence; the chassis, pump, separator, meter and couplings are bought-in specialist items.
ENGAGEMENT	Send the capacity, the chassis and the standards to sales@neometrixgroup.com for a clause-by-clause compliance matrix in two working days.

DEFENCE PROGRAMMES DESK

sales@neometrixgroup.com · +91 7777 876 876 · neometrixgroup.com

Neometrix Defence Limited · E-148, Sector 63, Noida, Uttar Pradesh, India