

FUELEQUIPMENT.COM

Custom *fuelling* solutions

Refuelling Trailers for Class 3 Flammable Liquids with Dangerous Goods Approvals

Designed and built with all requirements to allow registration as a Dangerous Goods Vehicle allowing transport of Class 3 Flammable Liquids on public roads. These vehicles are built in compliance to AS2809 1 and 2 and can be fitted with either manual, DC or engine-powered dispensing systems. Available in 1000, 1500 and 2000 litre capacities. For larger capacities please call.

These vehicles are mainly used for onsite refuelling of aircraft but are also suitable for transport of petrol for a multitude of uses.



**Australian
designed &
manufactured**



Suitable for Class 3 Flammable Liquids including:

- ULP/PULP
- AvGas
- Jet-A1
- Kerosene
- Mogas
- Solvents

Fully self-contained

The vehicle is equipped to operate in remote locations and all required equipment is built-in. Supplied with all requirements for Dangerous Goods Vehicles including:

- Spill kit
- First aid kit
- Traffic warning triangle signs
- Flameproof torch

Australian Fuelling Systems & Equipment

PO Box 7162 NEMSC 2348 7-11 Armstrong Street Tamworth 2340

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Trailer shown with optional custom paint

Available with optional drum spear and suction hose to allow direct fuelling from drums through the pump system or to load drum contents into trailer tank

Custom Paint Available



Available at extra cost - custom painting by professional spray painters to match your towing vehicle. You need to provide vehicle manufacturers colour code numbers for colour match.

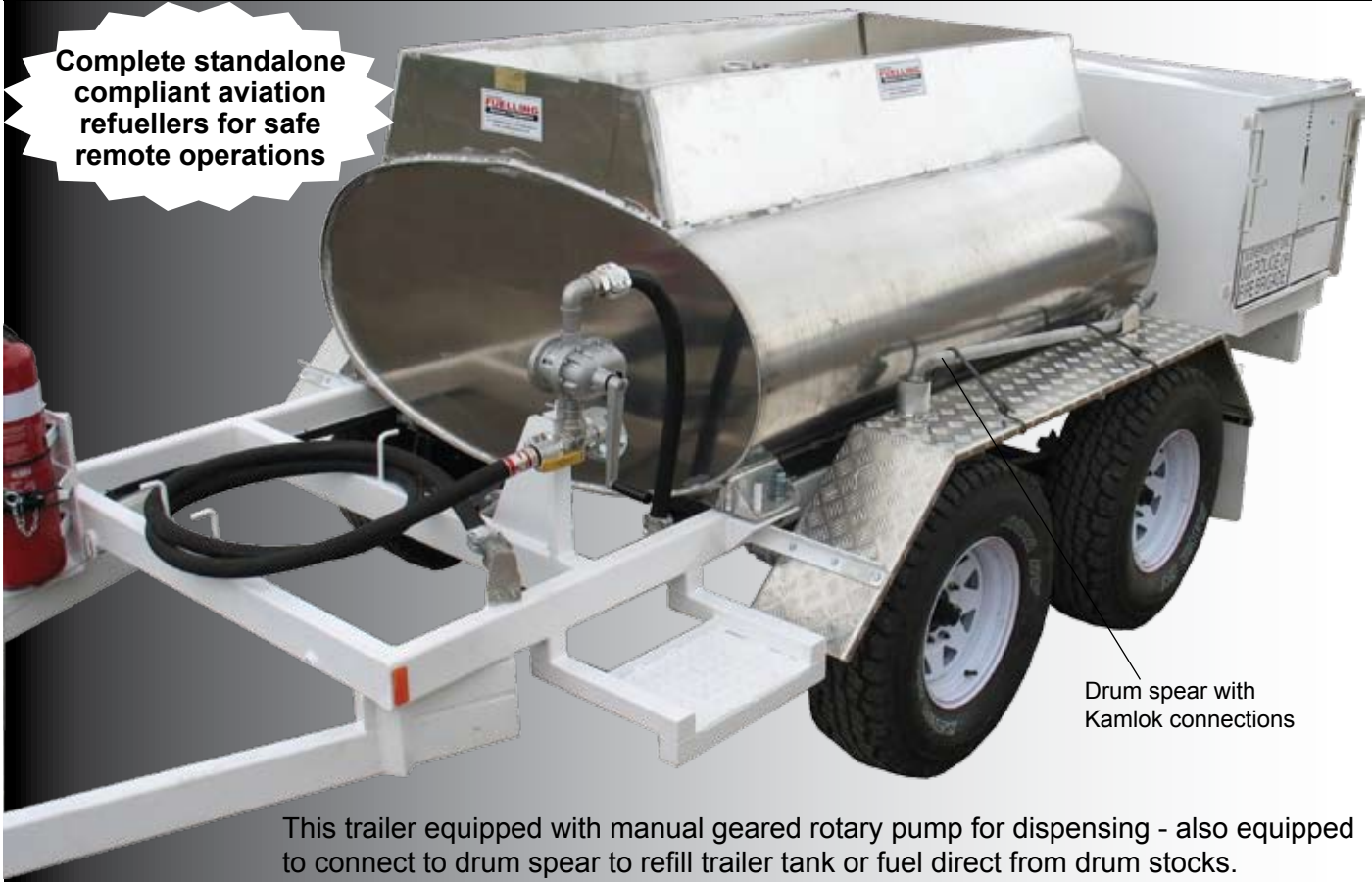
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Refuelling Trailers for Class 3 Flammable Liquids

Complete standalone compliant aviation refuellers for safe remote operations



Drum spear with Kamlok connections

This trailer equipped with manual geared rotary pump for dispensing - also equipped to connect to drum spear to refill trailer tank or fuel direct from drum stocks.



Optional lockable equipment enclosure mounted at front of trailer.

Tanks

- Tanks are constructed of 5mm aluminium plate and have the following features:
- Fitted with outlet elbow with internal valve and manual top operator.
- Fitted with Treloar MC402 hatch system incorporating pressure & vacuum vent with rollover protection valve, emergency vent, inspection hatch and 80mm fill & dip points with lockable Kamlok caps.
- Water collection sump with drain line & valve.
- Supplied with calibrated dipstick (with NMI certification if required at extra cost)
- Mounted to trailer frame with spring-loaded brackets.
- 2 x baffles with man access ports in each.
- Fitted with lift points (empty lift only)

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This 1500 litre vehicle shown fitted with optional equipment cabinets at front of vehicle and mounted on mudguard.



Each trailer is fitted with a fabricated aluminium "slops" tank for water sample & test fuel. Built with spill containment on top, vent with flash gauze & drain valve.

Vehicle

- Constructed of high tensile RHS.
- 12v electric brakes with onboard battery & breakaway switch.
- Optional lockable mudguard mounted toolbox available
- Lancruiser hubs with Sunraysia wheels fitted.
- Tandem load sharing suspension rated at 3500kg
- Comprehensive OH&S & operation manual
- Fitted with 9kg fire extinguisher in heavy duty bracket
- Spill kit
- Finished in 2 part epoxy paint (frame only - tank painting is optional)
- 50mm ball hitch with handbrake
- Dual safety chains
- Fitted with Hazchem library systems
- Safe access to tank top for fill/dipping with hand rail & step
- Long drawbar for easier reversing

These trailers have designed and plated to enable registration in all States & Territories of Australia as a Dangerous Goods Vehicle for the transport of Class 3 Flammable Liquids on public roads. Please be aware that it is your responsibility to arrange this registration with the relevant authority in your State or Territory.

Please note that there other requirements that need to be complied with, that are separate from the trailer - these include (among others) that the driver have a current Dangerous Goods Licence, that the towing ehicle comply with certain provisions of AS2809 1 & 2, that the required safety equipment is carried within the cab of the towing vehicle. This is not an exhaustive list and potential users need to ensure that systems, vehicle and driver are aware of all requirements prior to use.

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Diesel engine-powered Pump System Details

A standard configuration for diesel engine-powered dispenser system includes the following equipment.

- Yanmar 5hp diesel engine, recoil start & fitted with approved flame arrestor exhaust as well as a mechanical engine strangler. Fitted with a lanyard & Emergency Stop sign, this is used for emergency stops & engine runaway if vapours are ingested.
- Gearbox with 6:1 reduction, shaft extension & power coupling (to provide compliance with AS/NZ60079)
- All moving parts of power drive is shrouded within aluminium guard.
- Suction strainer - aluminium basket type with 60# strainer
- 40mm vane pump with integral bypass valve (adjustable)
- Facet 40mm filter housing - fitted with water sight glass and popup to indicate need for filter replacement by pressure differential
- Facet monitor filter element
- Macnaught M40 flowmeter - fitted with large digits for easier reading at distance.
- Hosereel with coated flowpath for aviation fuels, geared manual rewind.
- Hose assembly 15m x 32mm with clamp-on fittings - pressure tested & tagged.
- ZVA 25mm overwing nozzle with static lanyard with clip, removable spout with 100# conical strainer & swivel.
- Pressure gauge to indicate system pressure
- 30m orange static wire on reel, manual rewind
- All pipe & fittings of 316 stainless steel (Kamloks if used in aluminium)
- All piping welded & pressure tested
- Low point drains with valves & caps
- Approx. 20 litre capacity aluminium slops tank with spill containment.

OPTIONS

- Variations to hose length
- Upgrade to metering system for custody transfer
- Self-loading capability - enables filling of trailer tank via onboard pump from drum stock or tanks. Includes "L" valve, Kamlok connection to pump suction, drum spear & suction hose assembly. Delivery hose/nozzle is used to fill tank.
- Quality testing - millipore equipment, water capsules etc.
- Gammon pressure differential indicator for filtration

Delivery rate from engine-powered pumpsets up to 120 lpm - adjustable by varying system pressure to suit requirements



DC (12 or 24v) Pump System Details

A standard configuration for a DC powered pump system includes the following

- AVFR4210S 12v (or equivalent 24v version) DC vane pump with integral bypass valve, carbon vanes & SG iron rotor (ie no red metals in flowpath).
- Velcon 25mm filter housing
- Velcon element
- Macnaught M10-1 flowmeter - fitted with large digits for easier reading at distance.
- Aviation hose assembly, 10m x 25mm with clamp-on fittings, tested & tagged
- ZVA 25mm overwing nozzle with static lanyard with clip, removable spout with 100# conical strainer & swivel.
- 30m orange static wire on reel, manual rewind
- All pipe & fittings of 316 stainless steel (Kamloks if used in aluminium)
- All piping welded & pressure tested
- Low point drains with valves & caps
- Approx. 20 litre capacity aluminium slops tank with spill containment.



Delivery rate from DC pump systems approx. 35 lpm with 6m x 25mm hose

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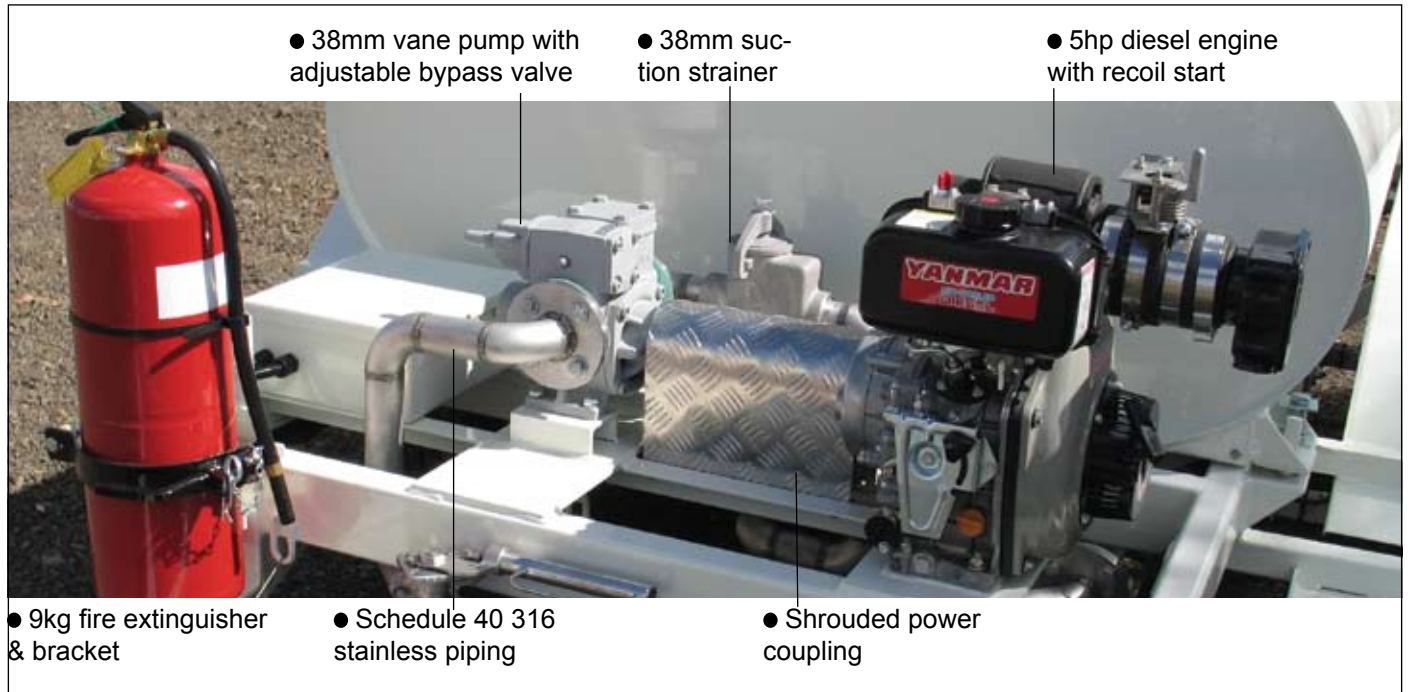
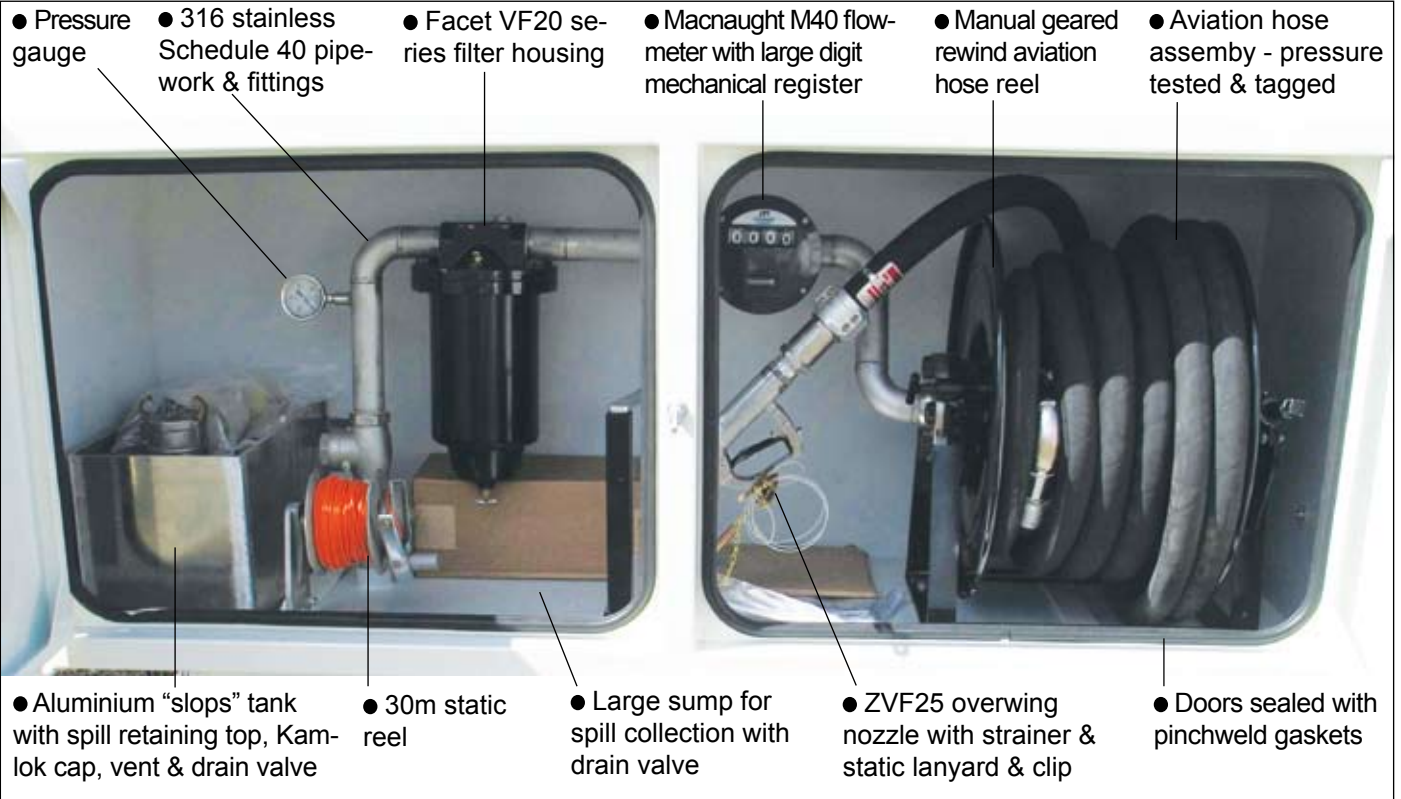
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Rear cabinet dispensing equipment for a standard diesel engine-powered pumping system. System can be equipped with NMI approved flowmeter and other items for compliance for resale use. The cabinet in which equipment is installed is sealed and lockable.



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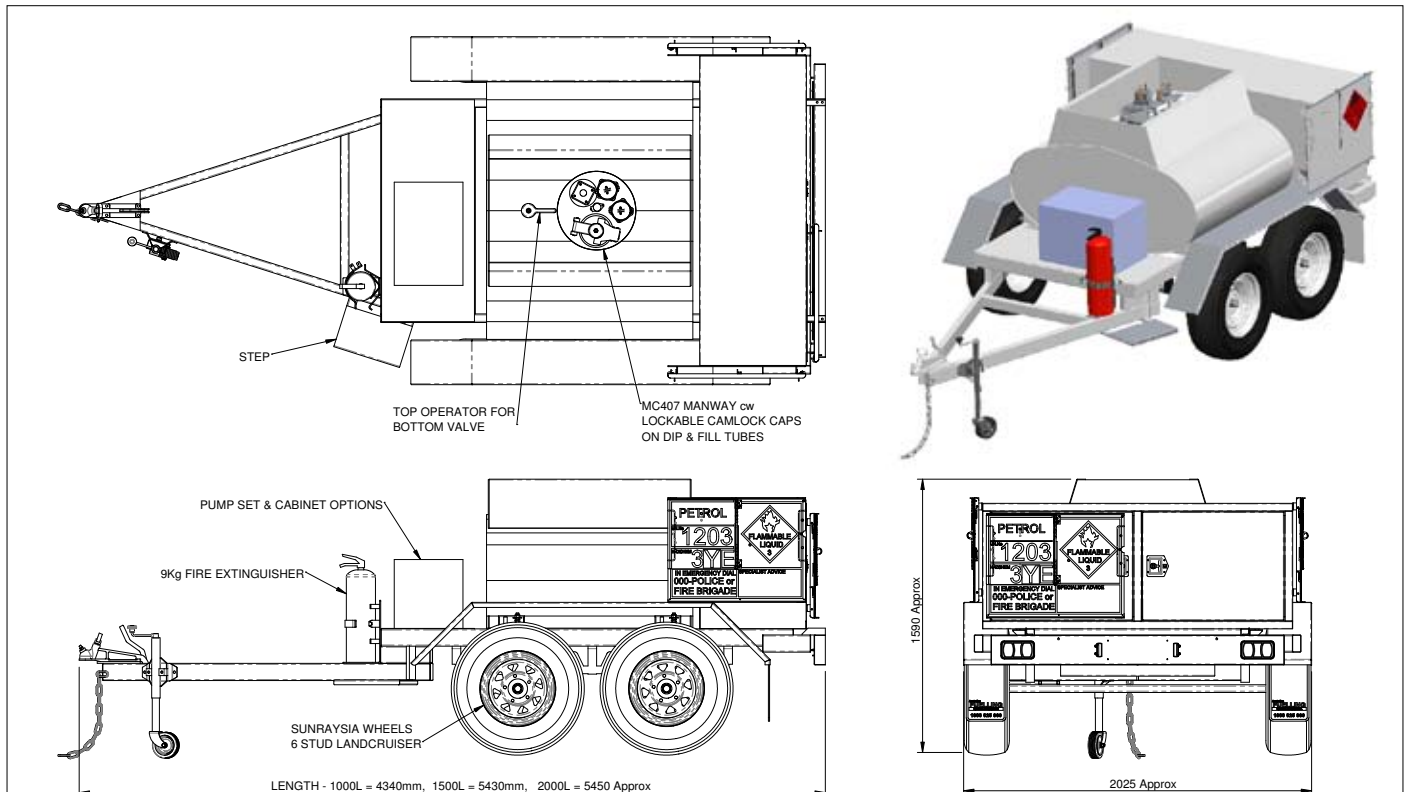
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Pumping Systems & Options

Diesel		
DC 12v		
DC 24v		
Manual		

Dimensions



Cat No	Capacity	Dimensions (approximate)
410071B	1000 litre registerable	Width 2035mm - Height 1590mm - Length 4340mm
410070B	1500 litre registerable	Width 2035mm - Height 1590mm - Length 5430mm
410032B	2000 litre registerable	Width 2035mm - Height 1590mm - Length 5450mm

About us:

We've been building fuel trailers in Tamworth, NSW, using Australian craftsmen & materials since the late 1980's - we made many mistakes, but after the first fifteen years we got to the stage where we believe we get most things right. We have designs & models for a whole range of fuel & oil handling trailers - these range from aviation refuellers, waste oil collection, special transformer oil vehicles, dog-type trailers with capabilities & volumes up to 10,000 litres for carriage of Class 3 Flammable Liquids. We even have a very task-specific vehicle which has all requirements to clean out aviation fuel hydrant pits & test the quality of the fuel at each point.

Queries:

If you have any queries on our self-bunded range or any of the other types, please call 1800-025 869 or email: sales@fuelequipment.com

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