



Tactical Aviation Ground Refueling System (TAGRS)

Mobile Refueling System

Components



Trailer

- Industrial strength aluminum
- Telescoping tongue
- 32" off-road run flat tires



Pump

- Ohler Model 36 aluminum pump
- Hatz IB50 engine
- 250 GPM @ 30 PSI,
155 GPM @ 50 PSI and
max pressure up to 70 PSI



Bags

- Equipped with two fuel bladders that each hold 3,000 gallons of fuel for a total of 6,000 gallons of collapsible storage
- Fuel bladders meet MIL-PRF-32233C



Hoses

- 300' of 2" lay flat hose – hoses are in 75 foot sections and are outfitted with cam-lock ends for ease of assembly
- 30' of hard suction hose – 15 foot sections, 3" diameter



Fuel Separators

- Single fuel separator filter – capable of flowing 200–240 GPM of fuel
- Filter discharges are located on rear sides of trailer
- Two flow meter/totalizers



TAGRS

(TAGRS) is an integrated system consisting of a fuel pump, filter separator, trailer, collapsible fabric tanks (CFT), fuel hoses, fuel hose components, fire extinguisher and all necessary adapters. The TAGRS is capable of being towed by its prime mover, the Ultralight Tactical Vehicle (ULTV), in and out of a CH-53, and an MV-22. The TAGRS is tailored and employed as a fully integrated system and when required, the pump, filter separator, hoses, and components are capable of being operated independently of the platform system.



Specifications

- Width: 59.5"
- Length: 80"
- Height: 60"
- Weight: Approx. 2450 lbs.
- NSN: 4930-01-706-0781



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Heavy Duty Tactical Aviation Ground Refueling System (TAGRS-HD)

Mobile Refueling System

Components

Trailer

- Heavy duty single axle trailer w/standard HMMWV size tire/wheel assemblies
- Heavy duty retractable dolly jack & 2 stabilizer support legs

Pump

- Ohler Model 36 aluminum pump
- Hatz IB50 engine
- Valved unisex dry lock inlet and discharge connection points
- 250 GPM @ 30 PSI, 155 GPM @ 50 PSI and max pressure up to 70 PSI

CFTs

- Equipped with 3,000 gallons fuel bladders for a total of 6,000 gallons of collapsible storage
- CFTs meet MIL-PRF-32233C

Hoses

- 400' of 2" lay flat discharge hose in 50 foot sections
- 40' of 3" diameter rigid suction hose 5 foot sections

Fuel Filter/Separator

- FS capable of providing 240 GPM of filtered fuel
- Filter discharges are located on drivers side, intake located on passengers side

Ancillary Equipment

- 2 - D1 nozzles
- 2 - Service nozzles
- 2 - 75' grounding reels
- 3 - Ground rods
- Adapters



TAGRS-HD

TAGRS-HD is tailored and employed as a fully integrated system consisting of: a fuel pump, filter separator, heavy duty trailer, collapsible fabric tanks (CFT), flowmeters, fuel hoses, fuel hose components, underwing and overwing nozzles, and necessary grounding equipment. The TAGRS-HD is integrated on a M1102 trailer variant capable of being towed by a range of tactical vehicles. The system is further designed for internal load transport via CH-47 and provisioned for helicopter lift.

Specifications

- Width: 88"
- Length: 148"
- Height: 84"
- Weight: Approx. 4,200 lbs.



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