

GARSITE

FUELING MADE SIMPLE

**Carts
and
Bowzers**

UAV Refuel/Defuel Cart

200 Gallon (757 Liters) Fuel Tank
35 GPM (133 LPM) Refuel Rate

30 GPM (114 LPM) Defuel Rate through 1-1/2" Hose



Standard Commercial Specifications

Tank

200 gallon (757 liter) stainless steel tank, double wall design, single compartment, 16" (406mm) manhole with 10" (254mm) fill opening with emergency pressure/vacuum vents.

Chassis

The Refuel/Defuel Cart undercarriage utilizes a towable two axle, four wheeled rolling chassis design that is self-supported on its own rigid or non-suspension axle mount configuration suitable for ramp usage at speeds up to 15 mph. It is designed with a steerable front tow bar arrangement so that it is easily towed or tugged with normal aircraft ramp equipment. Minimum steering angle for tow bar is +/- 40 degrees. The tow bar includes a mechanism to hold it in the upright position so it is not a trip hazard when not in use.

Standard Dimensions

26'L x 96"W x 116"H

TRANSPORTING: Unit has built-in fork lift pockets for lifting complete unit. Unit also has lifting lugs and tie downs installed for lifting with a crane and securing while transporting by highway, air, rail or marine.

PUMP: Centrifugal type, PTO driven, hot shift, positive displacement.

MOTOR/ENGINE: Hatz tier IV diesel engine; JP-8 compatible, starter motor, alternator, fuel filter, air filter, auto shutdown for head temperature and oil pressure, cold weather start assist, extended capacity oil sump, spark arrestor and manual start hand crank capability.

HYDRAULIC PUMP: Includes hydraulic pump, hydraulic motor, hydraulic fluid tank with electric hydraulic cooling fan.

FILTER: 0.5 Micron Filter/Separator rated at 50 GPM (189 liters) for jet fuels and 60 GPM (227 liters) for Avgas. Filter also has water detections system with positive shutdown, Millipore sample connections and DP pressure gauge. Fuel is filtered during fueling and defueling operations.

METER: One meter, 60 GPM (227 liters) rated with large numeral reset counter and totalizer, registers in one-tenth U.S. gallons (liters optional).

HOSE REELS: Spring rewind reel with non-ferrous internals sized for 40' (12.2m) x 1-1/2" (38mm) jack riser hose. Hose rollers are included and a shutoff valve is installed immediately upstream of the hose reel.

HOSES: One 40' (12.2m) x 1-1/2" (38mm) API certified jack riser aviation fueling hose.

NOZZLE: One overwing nozzle with swivel, 100 mesh strainer and quick disconnect. Unit also comes with defuel wand with quick disconnect.

DEADMAN CONTROL: Electronically controlled deadman handle for defuel and recirculating operations.

CONTROL PANEL: Centrally located control/operation panel to include: system power, ignition switch control, engine start switch, mode selector, manifold indicator light, water in filter detection light, volt meter and emergency stop button.

PIPING: Schedule 10 stainless steel, welded wherever possible – 150 PSI rated working pressure. Mechanically operated internal valve, electronically operated valves automatically switch fueling operations from fueling, defueling or recirculation.

CABINETS: There are 2 cabinets installed on the unit. The cabinet in the front houses the diesel engine, hydraulic pump and operating control panel. The cabinet in the rear houses the pump, hose reel, filter, meter and pumping components. Doors for cabinets are hinged and include lockable lifting assist shocks.

TEST: Flow tested with fuel for performance to rated specifications.

FINISH: Unit is painted one color. Color chosen at time of order. Equipment is natural color. Unit placards include: warnings, product placards and supplier data tags.

SAFETY FEATURES: Static reel with 50" (190mm) cable and bonding clamp, emergency shutdown system, tank water drain, 10 gallon spill kit, wheel chocks, lighted equipment cabinet and two fire extinguishers.

COMPLIANCE: Meets applicable NFPA 407 & 385 codes.

CONTRACTS: Garsite is a GSA and DLA contract holder.

OPTIONS: The above listed items are for a standard Garsite refueler. All units can be customized to fit your specific requirements. Please contact a Garsite representative for a complete list of available options and configurations.

Towable Hydrant Dispenser

450 GPM / 1,700 LPM



Standard Commercial Specifications

Chassis: Running Gear

Heavy-duty four wheel trailer. Fully rated suspension (for towing up to 35 MPH). Ackerman style steering axle.

Features

Fully self-contained and maintenance-free pressure control system (no external air source, electrical source, or nitrogen source required). All aluminum deck and hose reel (for low maintenance). Fully integrated solar powered system; includes battery for the interlock system.

Standard Dimensions

26'L x 96"W x 116"H

HYDRANT COUPLER: Pressure controlling coupler to mate with 4" API hydrant valve.

FILTRATION SYSTEM: Latest edition filter/separator or converted monitor vessel options are available to meet your specific needs as the industry phases out traditional SAP monitor elements. Ask a Garsite representative for filter information.

DEADMAN CONTROL: Deadman handle with 50' cord.

PRESSURE CONTROLS: Hose and control valve and pressure controlling coupler.

METER: 450 GPM rated with large numeral reset counter and totalizer, registers in whole U.S. gallons.

SINGLE WRAP FUELING HOSE REEL: Aluminum single wrap style, manual rewind hose reel sized for 2½" x 50' hose, non-ferrous internals. A shut-off valve is installed immediately upstream of the reel.

FUELING HOSE: One 2" x 50' aviation fueling hose with N/R male couplings, certified to API 1529 specifications.

First-Class

Safety and quality first! We deliver both. Garsite's trucks are engineered for top performance. Our team knows the laws, regulations, and guidelines your equipment needs to meet for the highest safety standards. We meet them. Every time.

Simple

Get it all with us! Our decades of industry experience allow us to streamline the process, making it simple for you! We don't cut corners, and you get a quality result.

Adaptable

Our team of engineers and sales support are here to create the equipment you need! Adjust specifications from tank size to filter system. Get the right equipment for the right job. Garsite will make it happen.

UNDERWING NOZZLE: One standard 3-lug underwing nozzle with HECV, 100 mesh strainer and swivel.

WRAP AROUND STYLE INLET HOSE: Includes 20' of 2½" hose with non-removable male couplings, certified to API 1529 specifications.

PRODUCT RECOVERY TANK: 20 gallon capacity with fill opening and drain valve.

PIPING: Schedule 10 aluminum – 150 PSI rated working pressure.

GAUGE PANEL: The panel will include a fuel sense pressure gauge, D/P gauge with purge valve, inlet pressure gauge, pressure regulator and emergency shutdown.

SAFETY FEATURES: Manual rewind static reel with 50' cable and clip, brake interlock system, emergency shut down system and one fire extinguisher.

COMPLIANCE: Meets all applicable NFPA 407 codes. Design complies with ATA103 requirement

OPTIONS: The above listed items are for a standard Garsite refueler. All units can be customized to fit your specific requirements. Please contact a Garsite representative for a complete list of available options and configurations.



We're the experts, so you don't need to be!

Our team is here to assist you through the buying process. Garsite representatives understand the equipment inside and out. They work directly with our engineers to design everything to meet your needs.

After production, every unit is checked on our own test stand, equipped with a 20,000 gallon above ground tank. This provides everything we need to test every part of your equipment.

Contact us today to explore your options with Garsite. We have representatives specializing in the domestic and international aviation, above-ground storage tank, and military industries.

CLICK HERE
TO GET IN TOUCH

Images for reference only. Appearance varies based on specifications



Base specifications are accurate at the time of publication, and are subject to change without notice. Custom options are available; please consult your Garsite representative for additional information.

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