



# REDUCE UAS SERVICING TIME AND SAVE MONEY!

**Purpose engineered to perform the UAS fuel service mission - Stop using barrels and "kegs"**

## What Are The HandiFueler's® Benefits?

- "Right-sized" 200, 400 and 600 gal sizes allows convenient and effective UAS servicing
- UAS defuel capability - useful for maintenance or equipment mobility - Filters removed fuel for reuse
- Operates via rechargeable batteries, the tow vehicle or via plug-in power supply
- 15 GPM (55LPM) fuel flow rate combined with "gas station" ease - minimal training required
- Onboard SPR capability
- Aviation grade fuel filtration - employs a Coalescer cartridge (particulates, and water removal)
- Onboard spill kit, 2x fire extinguisher
- Open pump platform prevents fuel vapor buildup
- Cool/safe operating LED lighting
- Many parts common with existing Sealvac® and HandiFueler® - aids maintainability and parts availability
- Available Direct, or through DLA, GSA, Foreign Military Sales, or Depot Contracts

## The HandiFueler® UAS Service Cart - Another Spokane Stainless Technologies Exclusive!

The HandiFueler is engineered to provide an efficient solution to the challenges of servicing UASs. With the HandiFueler, a single trip is all that is necessary to service fuel, fluids, and tires/struts.

**All routine servicing requirements at the operator's fingertips:** The HandiFueler is equipped to handle all normal routine servicing of fuel, fluids, and tires/struts. The open design of the pump platform provides easy access to all controls and safety equipment.

**Multi-mode operation, standard:** The HandiFueler fuel pump operates from three sources:

- The tow vehicle
- The on-board low maintenance batteries
- The charger/power supply

Fully stand-alone operation allows creation of a remote refueling point, if required. An optional solar charge extender is available - provides 20% longer use between battery charges\*.

**Full defuel capability:** Rigid or flex defuel wands replace the refuel nozzle to fit most fuel tank filler necks. Configuring is as simple as turning a valve. Removed fuel is fully filtered with the dual-stage filtration system before going back into the tank. System can recirculate fuel, if desired.

## Loaded with thoughtful features:

- Aviation grade dual stage filtration
- All LED lighting
- Fuel meter
- Retractable hose reel
- Full length stainless hose guides
- Lockable nozzle, manway and fill port
- Reel mounted bonding clamp
- Bottom drain / sample port
- Pre and post filter sample ports
- PPE stowage
- Handy fuel log stowage
- Heavy-duty tie downs
- Non-slip side step
- Fork pockets

# HANDIFUELER®

## UAS FUEL SERVICE CART



600 gallon model shown





**HandiFueler UAS Specifications\***

MODEL	400 Gallon	600 Gallon
LENGTH	156" / 396 cm	156" / 396 cm
TRACK WIDTH	77" / 196 cm	77" / 196 cm
HEIGHT	62" / 157 cm	62" / 157 cm
WEIGHT, EMPTY	2280 lbs / 1034 kgs	2780 lbs / 1261 kgs
WEIGHT, FULL	6480 lbs / 2939 kgs	6980 lbs / 3116 kgs
GROUND CLEARANCE	6" / 15.25 cm at Tow bar 8" / 20.25 cm at Axle	6" / 15.25 cm at Tow bar 8" / 20.25 cm at Axle
CAPACITY	400 gal / 1514 ltr	600 gal / 2271 ltr
TURNING RADIUS	31' / 9.5 m	31' / 9.5 m
GROUND REEL CABLE LENGTH	50' / 15.25 m	50' / 15.25 m
FUEL HOSE LENGTH (DUPLEX)	35' / 10.6 m	35' / 10.6 m
DEFUELING WANDS LENGTH (RIGID AND FLEX)	38" / 1 m	38" / 1 m
REFUELING RATE	15 GPM / 57 LPM	
DEFUELING RATE	15 GPM / 57 LPM	
BATTERIES	12 V, Optima Blue Top deep cycle, x2 (NATO Plug wired for 24 V)	
BATTERY CHARGER	Samlex programmed charger, Optima approved, 115 VAC, 50/60 Hz (220 VAC convertible)	
OPERATING TEMPERATURE	-25°F to 110°F / -34°C to 43°C	-25°F to 110°F / -34°C to 43°C
STORAGE TEMPERATURE	-40°F to 150°F / -40°C to 66°C	-40°F to 150°F / -40°C to 66°C
MOBILITY AIDS	Fork Pockets, Airliftable by common airlifters, Heavy-duty tie down loops	

\*Due to continuous product improvement efforts, specifications are subject to change without notice



Operator's panel with access to controls, meter fuel log storage, grounding reel, and fuel nozzle. Notice the two vertical stainless steel hose guides.



Right side where we find the weatherproof electrical box that houses the charger. Also here is the storage area for the optional SPR nozzle. Note the NATO plug on the electrical box.



This is the rear view. Here are the fire extinguishers, the spill kit, the filter housing, as well as the fuel/defuel valve and pre/post filter fuel sample ports.

**Built-in safety features:**

- Carbon impregnated, static dissipating refueling hose prevent static build-up
- Top fill with z shaped internal tube; prevents static buildup from free-fall of fuel during servicing
- Double-walled, stainless steel collection tank self-contains possible leaks
- Auto-recirculate valve prevents overheating of pump when nozzle is not in use
- Open design of pump platform prevents dangerous buildup of fuel vapors
- Lockable top manway and fuel fill port prevents fuel contamination
- Sealed LED lighting; allows safe operation around fuel vapors
- Emergency "E-Stop" button allows complete and immediate shutdown in an emergency
- 1 10 pound "Purple K" fire extinguisher mounted for fast and easy access (second optional)
- Oversized universal spill kit; respond to accidental spills from Handifueler, and the ability to respond to spills from other sources as a "first responder"
- Sealed, leakproof Optima batteries provide long run time with full safety in a fueling environment
- Metal electrical box, grounded and sealed against vapors and weather
- Aggressive non-skid material applied to side steps to prevent slipping