



# REDUCE UAV SERVICING TIME AND SAVE MONEY!

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

## What Are The HandiFueler's™ Benefits?

- "Right-sized" 200, 400 and 600 gallon sizes allow convenient and effective UAV servicing
- UAV 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 fuel flow rate combined with "gas station" ease - minimal training required
- Onboard SPR capability
- Optional solar charge extender - provides 20% longer use between battery charges\*
- Aviation grade, dual stage fuel filtration - employs a Coalescer (particulates, first stage water removal) and a Monitor (second stage fuel dryer)
- On-board spill kit, fire extinguisher
- Oil, hydraulic fluid, and anti-freeze service stowage on board
- Tire/strut servicing station
- Open pump platform prevents fuel vapor buildup
- Cool/safe operating LED lighting
- Many parts common with existing Spokane Industries Sealvac™ and bowsers - aids maintainability and parts availability

\*Dependent on weather/geographical conditions

## The HandiFueler™ UAV Service Cart - Another Spokane Industries Exclusive!

The HandiFueler™ is engineered to provide an efficient solution to the challenges of servicing UAVs. 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

# HANDIFUELER™

## UAV FUEL SERVICE CART



200 Gallon Model Shown



## Maximize Efficiency And Reduce Servicing Time With HandiFueler™

### HandiFueler™ UAV Specifications\*

MODEL	200 Gallon	400 Gallon	600 Gallon
LENGTH	142" / 361 cm	162" / 411 cm	162" / 411 cm
TRACK WIDTH	55" / 140 cm	76" / 193 cm	76" / 193 cm
TOTAL WIDTH*	58" / 147 cm	89" / 226 cm	89" / 226 cm
HEIGHT	61" / 155 cm	63" / 160 cm	63" / 160 cm
WEIGHT, EMPTY	1950 lbs / 885 kgs	2135 lbs / 968 kgs	2780 lbs / 1004 kgs
WEIGHT, FULL	4695 lbs / 2127 kgs	6695 lbs / 3037 kgs	6980 lbs / 3116 kgs
GROUND CLEARANCE	6" / 15.25 cm at tow bar 8" / 20.25 cm at axle		
REFUEL/DEFUEL PUMP RATE	15 GPM / 57 LPM		
CAPACITY	200 gal / 757 ltr	400 gal / 1514 ltr	600 gal / 2271 ltr
TURNING RADIUS	28' / 8.5m	31' / 9.5 m	
GROUND REEL CABLE LENGTH	50' / 15.25 m		
REFUEL HOSE LENGTH	35' / 10.6 m		
DEFUEL WANDS LENGTH / TYPE	36" / 92 cm, 1 each Rigid, 1 each Flex		
OPERATING TEMPERATURE	25°F to 110°F / -34°C to 43°C		
STORAGE TEMPERATURE	-40°F to 150°F / -40°C to 66°C		
FILTER ELEMENTS	Aviation Grade Cartridges: Coalescer first stage (particulates, water; Monitor (dryer) second stage filter; Housings with water drains,		
LIGHTING	LED spot work lamps, 4 underhood work lamps		

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



Operator's panel with access to controls, meter fuel log stowage, 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 stowage area for oil/hydraulic fluid or the optional SPR nozzle. Note the NATO plug on the electrical box.



This is the rear view. Here is the fire extinguisher, the spill kit, the two filter housings, as well as the fuel/defuel valve and pre/post filter fuel sample ports. This is also where the tire/strut hose reel is mounted.



Front view of heavy-duty tow bar and park brake.



Close-up view of battery box that houses two Optima deep cycle batteries, the fork lift pockets and the heavy-duty tie down lugs.

### 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
- 10 pound "Purple K" fire extinguisher mounted for fast and easy access
- 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
- 10 gallon air bottle with overpressure protection provides air to the Tire Service Station
- Aggressive non-skid material applied to side steps to prevent slipping