

Fuel Recovery That Goes Where Compressed Air & Power Can't

eSealVac™
MOBILE VACUUM FUEL DRAINING SYSTEM



The SealVac platform proved that vacuum-based fuel recovery is faster, cleaner, and safer than gravity draining. The eSealVac is the next evolution of that platform, extending proven SealVac performance to locations and workflows beyond the reach of compressed air infrastructure.

Commercial MRO aprons. Forward operating locations. Multi-aircraft shifts that move across an entire facility. Anywhere the mission takes maintenance crews, the eSealVac goes with them.

The eSealVac takes proven SealVac performance to those locations.



All-Electric. Self-Contained. Solar Recharging.

The eSealVac is the next evolution of the SealVac platform: a fully electric, battery-powered fuel drain and recovery system that extends sealed, spill-free vacuum recovery to any location, with or without facility infrastructure.

- **25 GPM Continuous Duty:** Fill-Rite electric fuel transfer pump runs without cool-down cycles
- **25.1 in Hg Maximum Vacuum:** Becker rotary vane pump creates sealed connections at aircraft drain points before fuel transfers
- **600-Gallon Recovery Tank:** Double-walled stainless steel construction
- **Cyclonic Pre-Filtration:** SST-fabricated separator removes FOD and debris before fuel enters the tank
- **Solar Recharging:** 200-watt panel maintains battery charge between deployments
- **Single-Operator Use:** Pushbutton console controls all systems

Proven Performance. Ready to Verify.

What Operators Say About the SealVac Platform

“We went from a fuel sumping taking 14 hours on an Airbus A330, to just two hours once we converted our process to the SealVac bowser.”

—
DELTA AIRLINES MAINTENANCE
BASE DTW, DETROIT, MI

“Using SealVac, the time saved on the C-130J external tank drain procedure is 20+ hours.”

—
USCG STATION ELIZABETH CITY, NC

“On average, by using the SealVac, the company would decrease time spent waiting on fuel to drain by 4 times, allowing the technicians to work on the aircraft much faster.”

—
JET AVIATION ST. LOUIS, MO

Technical Specifications

- **Tank Capacity:** 600 gallons, double-walled stainless steel
- **Fuel Transfer Pump:** Fill-Rite NX25-DDCBF-PX, 24VDC, 25 GPM continuous duty
- **Vacuum Pump:** Becker VT 4.8 rotary vane, 24VDC, 5.7 CFM / 25.1 in Hg max
- **Fuel Filtration:** SST-fabricated cyclone assembly (6.25" ID x 9.25" tall, 4.25" straight wall)
- **Batteries:** 4x Optima BlueTop 12V deep cycle, 2 battery boxes
- **Solar:** Renogy 200W flexible monocrystalline panel (63.2" x 29.4")
- **Controls:** 3x2 pushbutton operator console
- **Electrical:** 24VDC main panel (16" x 14" x 8")
- **Tank Access:** 18-inch manway
- **Equipment Organization:** 1-1/2" OD hose rail with J-hooks; utility box with foam insert
- **Safety:** Double-walled tank, vacuum governor, automatic fail-safe shutoff

Built for Two Operating Realities

Commercial MRO: Deploy directly to the aircraft and move between bays across a facility without repositioning support equipment. No compressed air infrastructure required. Faster turnaround, lower labor cost per drain cycle.

Military and Forward Operations: Fully functional at forward operating locations where compressed air is unavailable or impractical. If the aircraft is there, the eSealVac can work there.



Compliance & Certification

- NSN Available for Military Procurement
- FAA, DoD, and NATO Compliant
- ISO-Certified Fuel Handling Standards