



LSS-LA

VITA RESCUE SYSTEM

The LSS Vita Rescue System integrates the LSS thrust and computation subsystems into a lightweight, quick-attach system compatible with current and future vertical lift rescue kits. The Vita Rescue System has completed a U.S. Army Aeromedical Research Laboratory AWR (airworthiness release) and is now approved to fly under 150+ military aircrafts. It can be fitted to a variety of configurations, including the Stokes Litter Basket, Skedco, and rescue bag systems.

FEATURES

- Agnostic and fully autonomous load stabilization at the push of a button
- Standalone high-power battery; no need to wire into aircraft
- Simultaneously controls oscillatory swing and spin of suspended rescue kits
- Quick-attach system compatible with current and future helicopter rescue kits
- Remotely operated with a wireless pendant
- Configurable for Skedco, Stokes Litter Basket, and rescue bag

BENEFITS

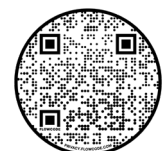
- Remote, autonomous, hands-off spin and swing stabilization
- Reduce pilot and operator burden, workload, and stress
- Heightened mission safety
- Increased mission operational envelope and performance
- Reduction of overall exposure and mission (flight) time
- Aircraft agnostic "roll-on/roll-off"



See reverse side for
SPECIFICATIONS



or scan here





SPECIFICATIONS

OPERATIONAL ENVELOPE

Empty: 600lbs

SWING STABILIZATION

The swing stabilization feature acts as an active swing dampening solution. Typical swing stabilization for an empty rescue kit is 1.5 swing periods. Stabilization time varies based on cable length, patient weight, and environmental disturbances

SPIN STABILIZATION

< 3 seconds

CONTROL PENDANT COMMS

ISM 915 MHz with encrypted messaging

CONTROL PENDANT RANGE

Up to 1,000 feet

PENDANT COMMAND RESPONSE TIME

~100ms

SYSTEM WEIGHT

40-50 lbs (*unofficial weight*)

BATTERY

4.8 amp hours (rechargeable Lithium Iron Phosphate)
Unofficial charge time: *under 35 minutes*
Batteries are cold-swappable

OPERATIONS COUNT / BATTERY LIFE

Designed for 10-90 minutes of live hook time on a single charge, depending on:
- Patient weight
- Helicopter motion
- Winds and other environmental or situational motion disturbances

CONFIGURATION OPTIONS

Skedco, Stokes Litter Basket, and rescue bag

**BUILDING TECHNOLOGY
THAT BRINGS PEOPLE
HOME...EVERY TIME!**

To learn more about the
LSS Vita Rescue System, visit our website at
www.vitatech.co

