

PNEUMATIC SONOBUOY LAUNCHING SYSTEMS

Protects U.S. and allied fleets

L3Harris designs and manufactures pneumatic-powered sonobuoy launching systems for maritime patrol aircraft and anti-submarine warfare applications. Available in single launch and rotary multi-launch configurations, L3Harris Sonobuoy Launching Systems (SLS) are used on specialized multi-mission aircraft such as the P-8A Poseidon.

SONOBUOY ROTARY LAUNCH SYSTEM

The Sonobuoy Rotary Launch System (SRL) is a pneumatic-powered launcher capable of releasing ten A-sized sonobuoys at an interval of three seconds between launches. Mounted directly to the floor of the aircraft, the system is reloadable in flight and operates with charge pressures of 1000 to 5000 psi. The SRL can launch forty sonobuoys on a single 5000 psi pre-charge. The SRL can be coupled with an on-board compressor or pre-charged accumulator for tailored mission capability.

The SRL features a rotary carousel capable of carrying 10 LAU-126/A canisters which hold standard A-size buoys, or can be modified

to hold F- or G-size sonobuoys through the use of adapters. It is ideally suited for mid- and large-size maritime patrol aircraft.

SONOBUOY SINGLE LAUNCH SYSTEM

The Sonobuoy Single Launch System (SSL) is a pneumatic-powered launcher for releasing a single A-size sonobuoy from a standard LAU-126/A canister. Like the SRL, the launcher is mounted to the floor of the aircraft, is reloadable in flight, and can be modified for F- or G-size sonobuoys. Each launcher has electrical and functional interfaces to the aircraft and has met all safety protocols and qualification test requirements for operation and launch.



BENEFITS

- > Proven flight heritage demonstrates a long history of successful mission performance
- > Full-rate production meets industry-best quality and delivery standards
- > Cabin reloadable sonobuoys increases mission capability
- > Integrated launch safety features improve operator safety
- > Adaptability for A-, F- or G-size buoys provides mission flexibility



NEXT-GENERATION PRODUCTS

In addition to the SRL and SSL standard products, L3Harris is eager to work with customers to meet the ever-evolving needs and requirements of the maritime patrol market. Please inquire for additional details.

CHARACTERISTICS	SRL	SSL
Weight (empty)	265 pounds	37 pounds
Dimensions (L x W x H)	32-inch diameter x 58-inch height	32 x 12 x 29 inches
Reload time	Less than 6 minutes	Less than 30 seconds
Pneumatic	5000 psi storage capacity for 40+ launches System totally functional from 5000 psi to 1000 psi inlet	System totally functional from 5000 psi to 1000 psi inlet
Electrical	MIL-DTL-38999 connectors for power & signal (one each) CanBus messaging/status communications (can be converted to other protocols) Input power: > 115 VAC 400 Hz 3-phase > 820 watts maximum	MIL-DTL-38999 connectors for power & signal (one each) CanBus messaging/status communications (can be converted to other protocols) Input power: > 28 VDC > 260 watts maximum

QUALIFIED TO MILITARY STANDARDS FOR:

- > Operating and storage temperature: -67°F to +160°F
- > Humidity: 100%
- > Salt fog, sand, dust and fungus
- > Vibration/shock
- > 25 years predicted life – 32,000 launches (SRL)
- > EMI/EMC susceptibility



SONOBUOY ROTARY LAUNCHER



SONOBUOY SINGLE LAUNCHER

Pneumatic Sonobuoy Launching Systems DS8122 MC

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