

Integrated Smoke Distribution System

LION's smoke distribution system pairs LION smoke with ATTACK™ panels for realistic fireground scenarios, enabling trainers to create a high-impact, immersive training environment filled with smoke, all from a single centralized control panel. Whatever the training simulation, LION's smoke distribution system elevates the immersion while remaining easy to control.

REALISTIC SMOKE FOR FLEXIBLE SCENARIOS

The LION smoke distribution system, powered by the LION SG4000™ Smoke Generator, connects seamlessly to existing ducting networks, bringing dense, controlled smoke to any area on demand and transforming entire facilities into adaptable, highly realistic training environments.



DENSE, NON-TOXIC SMOKE

Our water-based, specially formulated smoke liquid simulates real smoke while remaining fully safe and easy to clean once training ends. The system continuously distributes up to 4,000 cubic feet of smoke per minute, allowing for ultra-realistic and varied training scenarios.



CENTRALIZED & REMOTE CONTROL

The tablet interface provides full control over the volume and distribution of smoke during training sessions. Instructors guide training sessions with the web-based configurator tool, enabling them to integrate smoke generation, modify the behavior and difficulty of fire, and start or stop sessions with ease.



FACILITY-READY

Easily connects to existing ductwork to distribute smoke anytime, anywhere. The smoke distribution system connects to a single duct with minimal installation effort. The smoke generator also comes encased in a rugged housing to protect from wet training environments, guaranteeing years of training.



INTEGRATE WITH LION ATTACK PANELS

The LION smoke distribution system seamlessly integrates with other LION technologies, effortlessly connecting with and controlling up to eight ATTACK panels at once for a fully synchronized training experience.

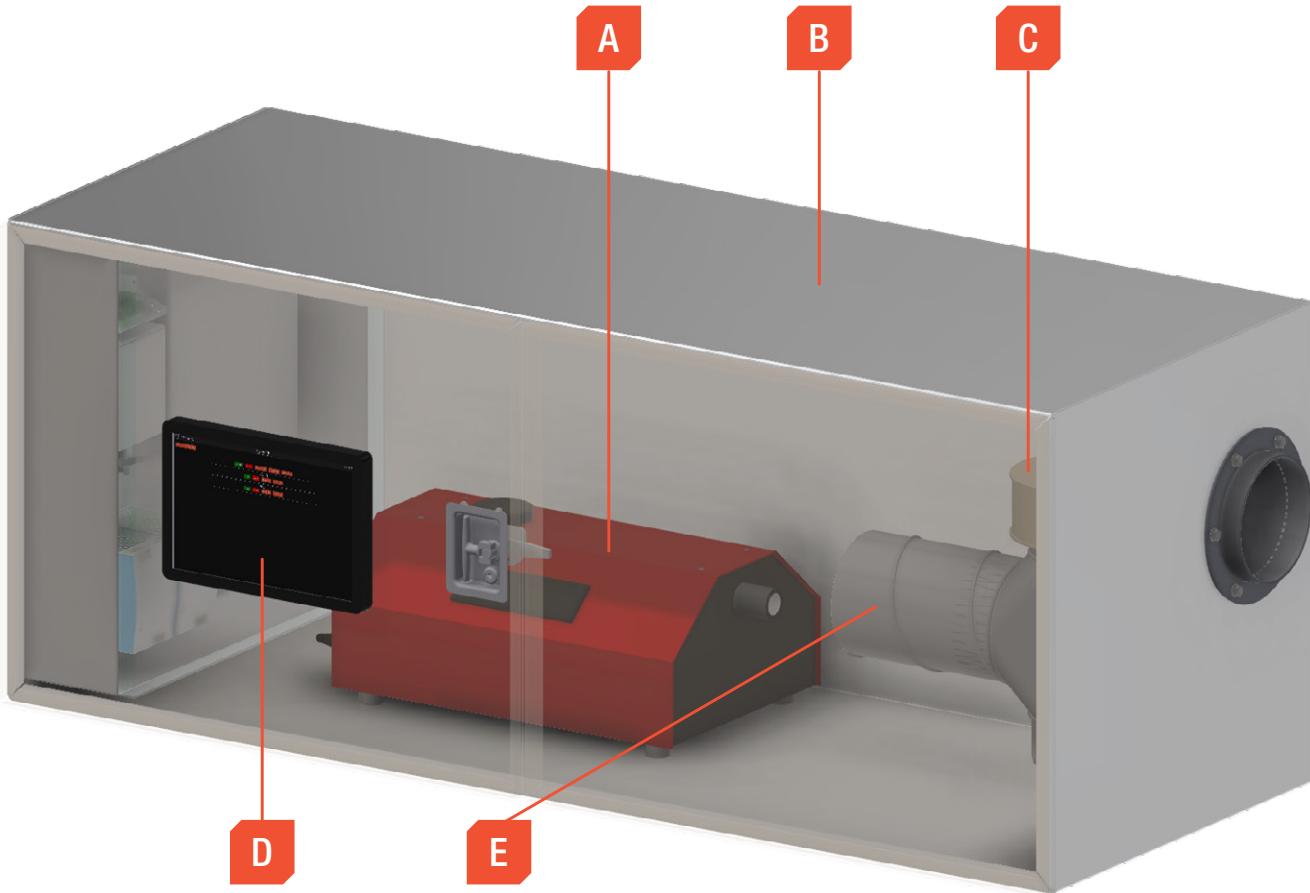


“This Smoke Generator keeps going and going! Once it has warmed up, it will generate smoke constantly until you turn it off — nice, thick, dense smoke that provides a realistic approach to fire training.”

— Reginald D. Freeman, MS, CFO Fire Chief
Lockheed Martin Aeronautics

TRAIN SMARTER. TRAIN SAFER.

Powered by the SG4000™ Smoke Generator, LION's smoke distribution system precisely mimics emergencies in the designated training facility.



INCLUDED EQUIPMENT

- A. SG4000™ Smoke Generator
- B. Water-Resistant Cabinet
- C. Smoke Distribution Fan
- D. Control Panel
- E. Smoke Manifold
- F. Smoke Liquid
- G. Cleaning Solution for Smoke Generators



See the chart on the final page for detailed component descriptions and specifications.

SPECIFICATIONS

INCLUDED EQUIPMENT

	Smoke Distribution System	<p>This integrated smoke distribution system leverages the LION SG4000 Smoke Generator to produce high-density, nontoxic, water-based smoke. The unit connects directly to the facility's existing smoke distribution infrastructure, enabling precise, centralized control over smoke volume and flow.</p>	<p>Dimensions: 24" x 24" x 60" (61 x 61 x 152 cm)</p> <p>Total Power Consumption: Requires 2 separate 120V 60Hz 20 Amp dedicated circuits, GFCI protected, with NEMA 5-20 receptacles</p>
	Water-Resistant Cabinet	<p>Durable housing protects the smoke generator from wet training conditions, safeguarding the smoke generator's internal components for extended service life.</p>	
	Control Panel Tablet	<p>A powerful control interface for starting, stopping, and adjusting scenarios in real time with full ATTACK Panel support for multi-panel, multi-room control. Kiosk Mode operation makes setup and management fast and easy. The web based tool gives instructors Wi-Fi enabled control over training sessions via any compatible smartphone, tablet, or digital device, allowing them to integrate smoke generation, modify training difficulty, or easily start and stop sessions.</p>	<p>Tablet: Android tablet</p> <p>Dimensions: 10.9"</p> <p>Durability: IP68 rating against dust and water ingress</p>
	SG4000™ Smoke Generator, V2	<p>LION's SG4000 Smoke Generator controls the amount of LION Smoke Liquid delivered to the heaters to precisely balance the heat transfer, ensuring a constant temperature and a constant supply of high-quality smoke.</p>	<p>Tank Capacity: 5 liters/1.25 gallons</p> <p>Operating Temperature: 30°F to 90°F (-10 °C - 30 °C)</p> <p>Warranty: 1 year</p>
	Smoke Liquid (20 Liter)	<p>With virtually no traces of toxins or harmful chemicals, our specially formulated smoke liquid works in all LION Smoke Generators.</p>	<p>Available in 1, 5, 10, and 20-liter containers, as well as 50-gallon containers.</p>
	5-Liter Cleaning Solution for Smoke Generators	<p>Maintain optimal performance of the smoke generator with our cleaning solution.</p>	



YOUR SAFETY IS OUR BUSINESS

For more than a century, LION has prioritized R&D and extensive engagement with fire departments and safety professionals to develop products, services and trainings that best serve their needs.

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