

# AerSafe™

## FUEL TANK FLAMMABILITY REDUCTION SYSTEM

*For Boeing 737 NG Series*

### FUEL TANK SAFETY

AerSafe™, a fuel tank flammability reduction system developed by AerSale®, is one of the few Federal Aviation Administration (FAA) approved ignition mitigation means currently available and complies with the Fuel Tank Flammability Reduction (FTFR) rule. The FTFR rule requires fuel tank ignition sources and flammability exposure to be reduced in fuel tanks that are most at risk.

With the FAA deadline fast approaching, Boeing 737 operators have two options: a flammability reduction means such as nitrogen inerting or an ignition mitigation means such as AerSafe. All affected passenger aircraft flying within or into the United States and operating under FAR Part 121 must be manufactured to meet the FTFR rule or be retrofitted by December 27, 2017 to avoid being grounded.





# AerSafe™

Supplemental Type Certificate No. ST02980NY

The AerSafe system limits the amount of available oxygen that can ignite fuel vapors and prevents sparks from initiating an explosion. It has been tested and developed to exact tolerances to fill the cavity of the Boeing 737 NG series center fuel tank. AerSafe comes as a complete prefabricated kit, and after initial installation, the system is virtually maintenance-free. AerSafe provides an economical solution with no mechanical parts that can fail, time-change components to replace, or flight test requirements after installation. AerSafe also complies with the Notice Of Proposed Rulemaking (NPRM) No. FAA-2016-6139.

## ADVANTAGES AND BENEFITS

	AerSafe	Nitrogen Inerting
<b>Cost over 10 years (30,000 hrs)</b>		
List Price	\$195,000	\$318,000
Special Tooling for Installation	n/a	\$30,000
Maintenance VCK/DET	n/a	\$6,000
Maintenance Ozone Converter and Cleaning of NGS	n/a	\$150,000
Air Separation Module Replacement	n/a	\$225,000
<b>Total Cost</b>	<b>\$195,000</b>	<b>\$729,000</b>
<b>Lead Time</b>	Less than six (6) weeks	One (1) year
<b>Aircraft Downtime for Installation</b>	Two (2) days	14 days
<b>Mechanical/Electrical Parts</b>	None	Over 100

## INSTALLATION

AerSale can perform AerSafe installation at any hangar around the world and can also provide training for the installation. Installation can be done at the same time as a light maintenance check or overnight after the aircraft center tank is de-fueled. AerSafe does not require maintenance between heavy check visits or special tooling to remove and install the parts. Aircraft can be modified or de-modified without any structural changes.

### AerSafe Installation Kits include:

- All required materials
- Installation instructions
- Aircraft Maintenance Manual supplement
- Aircraft Flight Manual supplement
- License to use AerSafe on a single aircraft by serial number

## DEADLINE

All affected passenger aircraft operating under 14 CFR Parts 121, 125, and 129 must be manufactured to meet the FTFR rule, or be retrofitted by **December 27, 2017**. The FTFR rule is detailed in the FAA Advisory Circular 120-98A.

For more information about AerSafe, contact us at (305) 764-3227 or [REDACTED].



## ABOUT AERSALE

AerSale is a global leader in the supply of commercial aircraft, engines, and OEM (Original Equipment Manufacturer) used serviceable materials. Major clients include passenger and cargo airline operators, leasing organizations, governmental entities, multinational OEMs, and independent MRO (Maintenance, Repair, and Overhaul) organizations. In addition, AerSale offers asset management services to owners with end-of-life aircraft and engine portfolios. Headquartered in Coral Gables, Florida, AerSale has various offices and operations in the United States, Europe, and Asia.