

# MAIN DECK FIRE SUPPRESSION

The Ventura Aerospace Fire Suppression System utilizes Ansul Cargo Foam® to suppress cargo fires by displacing oxygen and absorbing heat. The Fire Suppression System injects foam directly into the cargo container with a fire using a specially developed puncture system. The Fire Suppression System uses a fully autonomous control system that detects the heat of the fire and initiates suppression.

The Cargo Foam® based fire suppression is more effective than current Halon® 1301 based systems. Cargo Foam® has been shown to be effective on Class D fires which includes lithium based battery fires. Testing has shown that Halon intensifies lithium battery fires, Cargo Foam® suppresses such fires.

The Ventura Aerospace Fire Suppression System is highly adaptable to aircraft types and loading configurations. Fire suppression systems are currently available for MD-11F and DC/MD-10F configurations. A 777F fire suppression system is currently under development. Lower deck fire suppression systems are also being developed.

## TARGETED SUPPRESSION



## CARGO FOAM®



## INTEGRATED CONTROL



	CARGO FOAM®	HALON® 1301
SUPPRESSION AGENT RETENTION	<b>UP TO 8 HOURS</b>	<b>VARIES BASED ON COMPARTMENT AIRFLOW</b>
FAA DEEP SEATED FIRE	<b>YES</b>	<b>YES</b>
SUPPRESS LITHIUM BATTERY FIRE	<b>YES</b>	<b>NO<sub>1</sub></b>
SUPPRESS CLASS D METAL FIRE	<b>YES<sub>2</sub></b>	<b>NO</b>
ENVIRONMENTAL	<b>NEUTRAL AND BIODEGRADABLE</b>	<b>OZONE DEPLETING<sub>3</sub></b>
MAIN DECK COVERAGE	<b>YES</b>	<b>NO, VOLUME LIMITED</b>
SAFE FOR AIRCRAFT STRUCTURE	<b>YES</b>	<b>YES</b>

1. DOT/FAX/AR 047E, DNY 3004, 2. SUPPRESSION IS MASS DEPENDENT, CARGO FOAM HAS BEEN SHOWN TO PROMOTE THE FORMATION OF AN OXIDE LAYER THUS ENCASING A METAL FIRE, 3. MONTREAL PROTOCOL, EPA SNAP