

FALCON™ FSDS

Fire and Decontamination System

Truck/Trailer Mounted CAF Dispersal System



The *Falcon FSDS™* is a large-scale Compressed Air Foam (CAF) truck and trailer system capable of dispersing standard fire suppression foams, Hazmat foams and biological and chemical warfare decontamination formulas.

The powerful 1030-gallon (3900-L) *Falcon FSDS™* features multiple dispersal options for application of either foams or liquids. The dispersal options include an on-board 100-foot (30-m) hose reel for up to 100-foot (30-m) stream projection, and a trailer-mounted spray bar for uniform ground coverage.

The optional truck configuration allows a third dispersal option. A truck-mounted deck gun enables the user to project sustained amounts of liquid or foam without user fatigue. The truck-mounted cage and monitor may be configured to work with most existing vehicles. The *Falcon FSDS™* is designed with full drafting capabilities for rapid self-refill of formulas from totes or other bulk storage containers.

DECONTAMINATION POWER

The patented multiple-tank CAF system is designed specifically for use with Sandia National Laboratories DF-200, although it can be configured to work with other decontamination formulas as needed. The system effectively deploys decontamination formulations as either liquid, air aspirated foam or compressed air foam.

When used as a decontamination system, the *Falcon FSDS™* allows the user to effectively apply decontaminant for interior and exterior building applications as well as contaminated ground and pavement, equipment and vehicles. When tested with DF-200, foam expansion ratios extended from 1:1 to 25:1, producing over 25,000-gallons (94.6-kL) of finished foam per tank of formula. Specially designed nozzle wands lend flexibility to the system providing fast and easy vehicle undercarriage decontamination.

Like all Intelagard products, the *Falcon FSDS™* has been tested under the most stringent conditions by the United States military and is constructed for durability, ease of use and low maintenance. The rugged construction enables the *Falcon FSDS™* to perform in the most rigorous situations. Designed for versatility, this advanced Intelagard CAF system may be quickly activated for day and night operations. The *Falcon FSDS™* offers proven large-scale emergency response for CBW incidents, fire and hazardous materials clean up.



 **INTELAGARD**



SPECIFICATIONS

- Fluid capacity: Single polypropylene fluid tank, constructed as (2) 500-gal and (1) 30-gallon compartments. Smaller or larger sizes available upon request.
- Foam cell capacity adjustable to fit specifications.
- Standard System Size: 7 feet (2.1-m) wide x 43 feet (13.1-m) long x 7 feet (2.1-m) high (including truck). May be sized smaller or larger depending on fluid tanks, trailer and vehicle size, and configuration requirements.
- Energy Source: Compressor driven, choice of gas or diesel engine.
- Operating pressure: Pre-set regulation at 110 psi.
- Projection Distance: Foam projection streams up to 100-feet (30-m) with deck gun and standard air compressor.
- Versatility: May be configured to utilize A/B, AFFF, AR-AFFF foam agents (1% and 3% foams) and decontamination formulas.
- Dispersal options: 100-foot hose, Spray bar and optional truck mounted monitor.
- Foam Expansion: Produces up to 25,000-gal (94.6-kl) of expanded foam per tank (at 25:1 expansion ratio) for decontamination foam, and up to 35,000-gallons (132.5-kl) of A/B, AFFF and AR-AFFF foam concentrates (at 35:1 expansion ratio, 1% and 3% foam concentrates).

APPLICATIONS

- FLIGHT-LINE OPERATIONS
- MILITARY FIELD USE
- INDUSTRIAL/CHEMICAL PLANTS
- ALL PORTS OF DEBARKATION
- VAPOR SUPPRESSION
- LARGE SCALE DECONTAMINATION
- HAZMAT CONTROL/CLEAN UP
- INDUSTRIAL FACILITY FIRES/SPILLS
- HOMELAND DEFENSE

FEATURES

- Patented multiple-tank capability
- Stainless Steel plumbing and components
- Durable polypropylene tanks
- 1 1/2-inch flat lay or non-collapsible fire hose with pistol grip nozzle
- Proportioner available upon request
- Up to 20-feet vertical lift for draft refill capabilities
- Simple, fast activation and operation
- Minimal maintenance requirements
- Ground spray bar
- Rugged construction

