

The HM-DS™

High Mobility Decontamination System



Intelagard's **HM-DS** (High Mobility Decontamination System) is a Humvee/tactical trailer mounted decontamination system that provides a tactical platform system to optimize the power and maneuverability of the Military's High-Mobility vehicles. This powerful system incorporates an 80-foot (24 m) hose reel, front and rear-mounted terrain decontamination capabilities, and a roof-mounted monitor for equipment and infrastructure decontamination operations. The terrain decontamination systems can be operated from inside the cab, and the monitor includes both joystick remote operations in cab, as well as wireless remote capabilities for an operator up to 500-feet (152 m) from the vehicle. The system is configured for draft refill from bulk storage containers, and has been tested for deployment of DF200 solution, 10% High-Test Hypochlorite (HTH) and 10% Super-Tropical Bleach (STB) solution, in addition to water, seawater, soapy water and fire fighting foams. The **HM-DS** is a large-scale Compressed Air Foam (CAF) system capable of dispersing powerful decontamination formulations as well as standard fire suppression foams and hazmat remediation solutions.

Powered by a diesel / JP8 fueled air compressor, the **HM-DS** provides compressed air for multiple field applications. The **HM-DS** allows operational decontamination teams to create a "clean zone" with the ground spray applicators as they decontaminate exteriors using the monitor. The standard hose reel can be used for building interiors and for thorough vehicle and equipment decontamination missions. The undercarriage wand is ideal for cleaning the undersides of combat vehicles, and the calibrated foam expansion optimizes the use of DF200 formulation. The Intelagard **HM-DS** is a powerful and versatile system for both operational and thorough decon operations.



APPLICATIONS

- Large Scale Decontamination
- Flight-line Operations
- Seaports, Critical Tactical Assets
- Terrain Decon
- Industrial/Chemical Plants
- Vapor Suppression
- Hazmat Control/Cleanup
- Homeland Security
- Homeland Defense
- Operational and Thorough Equipment Decontamination

SPECIFICATIONS

- Fluid Capacity: Polypropylene fluid tanks, constructed as (2) 250 gallon (946 L) and (1) 20 gallon (76 L) compartment. Smaller or larger tank sizes available to fit vehicle specifications
- Foam cell capacity adjustable to fit other specifications and requirements
- Standard System Size: 8 feet (2.5 m) wide x 30 feet (9.0 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 requirements
- Energy Source: Compressor driven, JP8 / diesel engine
- Operating Pressure: Pre-set regulation at 110 PSI (7.6 bar)
- Projection Distance: Foam projection streams up to 100 feet (30m) with deck gun and standard air compressor
- Versatility: May be configured to utilize multiple decontamination formulas, as well as 1% and 3% fire foams
- Dispersal Options: 80 foot (24 m) hose on reel, front and rear mounted nozzles and spray bar and truck mounted remote controlled monitor
- Foam Expansion: Produces up to 12,500 gallons (47-kl) of expanded foam per tank (at 25:1 expansion ratio) for decontamination foam, calibrated expansions for 1:1 (liquid), 8:1, 15:1 and 25:1 expansion ratios

FEATURES

- Patented multiple-tank capability
- Lighting package for day / night operations
- Stainless Steel plumbing and components
- Durable polypropylene tanks
- Simple, fast activation and operation
- 1 1/2 inch non-collapsible fire hose with pistol grip handle and foam nozzle
- Up to 20-foot vertical lift for draft refills
- Rear ground spray bar and front spray nozzles for tire and wheel protection
- Rugged construction, highly maneuverable
- In-cab operation for terrain decon and monitor operations
- Configured for use with multiple fielded and legacy decontamination formulas
- Optional proportioning for Class A foams (easily adjusts from 0.1 to 1.0% mix) for fire fighting
- Hose tray for one-inch flat-lay fire hose with pistol grip nozzle, or standard hose reel with non-collapsible fire hose
- Twenty feet (6.1 m) of vertical lift for draft refill capabilities

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