

# VMDS™ - Light

*Vehicle Modular Decontamination System - Light*

The VMDS-Light is a modular, diesel-driven system specifically designed for rapid, mobile decontamination missions of military equipment. This system is designed to be operated while mounted in the back of a light utility vehicle (UTV), on a trailer or in the back of a pickup truck, while either stationary or mobile.

The VMDS-Light power unit uses a diesel engine-powered air compressor to create and propel decontamination solutions through a 1-inch pump and deploys them through collapsible hoses with D-bale handsets. The VMDS-Light is capable of drafting from external water sources such as bulk tanks or natural water sources. The VMDS-Light incorporates two solution-mixing tanks. The main tank is built into the power unit platform and has a fill capacity of 50 gallons. The second tank is trailer mounted and has a 200 gallon fill. Both tanks are constructed of polypropylene, are affixed to forkliftable skids and have internal baffles to minimize liquid movement and weight shift during transport.

The VMDS-Light can deploy decontamination solutions in three forms: liquid, foam and slurry. The trailer tank has mixing elements that mix decontaminant solutions while running, keeping even concentrated bleach solutions and slurries in suspension.

The VMDS-Light is a one of a kind decontamination system, providing effective rapid response in the most demanding of environments.



**INTELAGARD®**

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# **VMDS™ - Light**

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## **STANDARD SPECIFICATIONS\***

**Power Module Dimensions (L x W x H): ~ 60 in. X 48 in. X 34 in.**

**Operating Pressure: ~100 psi**

**Fuel Consumption: ~1.1 gph**

**Tank Liquid Capacity: 50 gal. main tank; 200 gal. trailer tank**

**Expansion: 1:1 to ~10:1**

**Projection Distance: Up to ~ 50 ft. \*\***

**Power Unit Platform Weight Dry: ~768 lb.**

**Power Unit Platform Weight Full: ~1185 lb.**

**Trailer Tank Weight Dry: ~375 lb.**

**Trailer Tank Weight Full: ~2500 lb.**

**Hose: (2) 1 in. flat lay w/EZLink connectors at each end; 20 ft. & (1) in. draft hose  
w/ stainless steel basket**

**Standard Bail/Nozzles: 1.5 in. NST(NH) Bale with 3/8 in.; 1/2 in.; 5/16 in. (optional)  
Smoothbore Nozzles & adjustable Fog Nozzle**

## **FEATURES**

**2 ea. 1 in. line discharge**

**Zero prime drafting with up to ~20 ft. vertical lift**

**Diesel Engine: 14 hp @ 3600 rpm**

**Compressor CFM ~42, 90 psi**

**Dial Adjustable Air Inject: wet/dry**

**System modules mounted on durable polypropylene skid platforms**

**Baffled tanks reduces liquid movement & load shift**

## **OPTIONS**

**Macaw® Backpack(s) / mounts**

**Foam Monitor: remote control, 360° operation**

**Monitor camera to track spray location**

**Spray bar(s) for ground decontamination**

**SwiftCAF® precision decontamination add-on kit**

**Binary tanks to accomodate multipart formulas**

**Customizable flat lay fire hose and containment compartments**

**Extensive nozzle selection**

**Foam formulas**

\* Specifications may vary dependent upon options

\*\*Depending on decontaminant, hose and nozzle used



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