

Application

The Field GDS+ is an advanced portable chemical/biological decontamination system suitable to decontaminate sensitive equipment, land vehicles and small to medium interiors.

Each system is capable of decontaminating up to 30m³. Multiple systems can be connected via Ethernet and operated from a single remote control for larger spaces.



System

The Field GDS+ is capable of vaporizing one liquid and combining it with a gaseous stream to decontaminate existing and emerging threats. The system is configurable for the liquid and gas decontaminants. In short, the Field GDS+ has the ability to evolve to meet emerging threats. The advanced and intelligent system provides the user with a robust and easy to use decontamination system.

The system includes:

- **GDS+ decontamination module** in shipping case with slide out rack for easy maintenance access
- **Dual-use shipping container** for transporting the system and serving as a decontamination enclosure
- **Enhanced Sensor Bundle** utilizes state of the art detection for measuring hydrogen peroxide and water concentrations, and temperature
- **Set of cables** designed for easy setup. Each cable is keyed to prevent errors during setup.
- **Set of hoses** are rugged while maintaining maximum flexibility for ease of installation and storage
- **Operator interface** is intuitive and easy to operate and monitor during operation. The graphical display makes it effortless for the user to confirm the decontamination systems are in range
- **Aeration unit** to convert the hydrogen peroxide exhaust into oxygen and water vapor
- **Chem-Bio Filter Cradle**
- **Power Inverter**

Optional Accessory:

- **Dehumidifier** to ensure the humidity level is maintained allowing the decon system to provide dry hydrogen peroxide vapor for the most efficient and effective decon cycle.

Preventative Maintenance

Our gaseous decontamination systems are designed to limit the preventative maintenance requirements. It is recommended to calibrate sensor bundles every 12 months; typical sensor life is 5 years. Sensor bundles may be shipped to our facility for calibration services or user can calibrate using simple to follow instructions. Peristaltic pump tubing should be replaced every 6 months; user can follow the simple instructions to easily replace the tubing assemblies.

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Field GD+

For Chemical and Biological Decontamination

Technical Specifications

Model Name	Micro Decon System
Weight	530 lbs (240 kg)
Dimensions	51.60" x 41.60" x 46.40" (131.1 x 105.7 x 117.9 cm)
Controller/HMI	Rugged PC Laptop
Utility Requirements	
Power	110v; 15A or 220/240v; 10A; 50/60 Hz (Decon Module) 110v; 5A or 220/240v; 5A; 50/60 HZ (Aerator) 110v; 15A or 220/240v; 10A; 50/60 HZ (optional Dehumidifier) (Other power configurations are available upon request)
Performance	
Volume (maximum)	1000 ft ³ (28 m ³) per unit
Liquid Injection Rate (each)	10 gpm
Gas Injection Rate	100 ml
Airflow Rate	30 cfh
Relative Humidity	Up to 60% (optional Dehumidifier above 60%)
Temperature	-25 to +120°F (-32 to +49 °C)
Model Number	FDS-MIL-NI-220

M2DCON, Inc.

6519 Eastland Road, Ste. 106
Brook Park. OH 44142 USA

Tel: +1 216 306 0925
sales@m2dcon.com

About our family of decontamination companies - Our core team brings greater than 35 years of experience to formulate the solution to meet the needs of our Customers. We focus on decontamination and other aseptic technologies in the form of consumable products and capital equipment. With greater than 25 patents and extensive collaborative research with Government laboratories (US Army ECBC, US Air Force AFRL, Dugway Proving Grounds, etc.), our team has proven experience developing and manufacturing state of the art decontamination equipment and solutions to meet the most challenging requirements of our Customers.