

Gaseous Decontamination System

Application

The **Mobile GDS** is an advanced automated and energy efficient dry vapor phase hydrogen peroxide (VPHP) sterilization system for room decontamination. Multiple Mobile GDS system can be networked to work together to decontaminate larger spaces accordingly.

System

The Mobile GDS is simple to setup and operate. When operated individually or networked, the system is initiated with the press of a single button. The system monitors the room conditions (relative humidity, temperature and VPHP concentration) and controls the rate of VPHP injection to maintain the appropriate concentration without producing condensation ensuring a dry cycle. recording the sterilization process, the advanced controls provide reliable and easy operation.



Key features of the MQM Decon System:

Fully Automated Process Control: Hydrogen peroxide and water vapor sensors integrated with the system monitor, and record, the process conditions, with feedback control from the sensors the vapor generator adjusts the concentration of hydrogen peroxide vapor to ensure a dry decontamination atmosphere is maintained

Intuitive User Interface: Easy to use software can be installed on any laptop. The interface screens makes it simple to change process set points. The graphical data display makes it effortless for the user to confirm the test conditions are in range during testing.

Sensor Bundle: The advanced sensor bundle utilizes state of the art detection for measuring hydrogen peroxide and water concentrations, and temperature. The GDS analyzes the data and automatically controls the injection rates to maintain the appropriate decontamination conditions. The sensors combined with the intelligent automated controls provides the most efficient and effective decon cycle.

Catalytic Convertor: The catalytic convertor is integrated in the system. When the cycle progresses into the aeration phase, the catalytic convertor converts the hydrogen peroxide exhaust into oxygen and water vapor.

Accessories of the Mobile GDS:

Dehumidifier: The dehumidifier ensures the humidity level is maintained allowing the decon system to provide dry hydrogen peroxide vapor for the most efficient and effective decon cycle.

MicroGDS

Gaseous Decontamination System

M2M
SOLUTIONS, INC.

Technical Specifications

Weight	~40 kg (88 lbs)
Dimensions	610 mm x 610 mm x 203 mm (24 in x 24 in x 8 in)
Controller/HMI	Laptop
Utility Requirements	
Power	120v; 15A; 50/60 Hz 200v; 10A; 50/60 Hz 240v; 10A; 50/60 Hz
Consumables	
Hydrogen Peroxide	35 - 59% solution; low preservatives
Performance	
Enclosure Volume (maximum per unit)	100 m3
H2O2 Injection	Up to 10.0 g/min
Relative Humidity	Nominal to 80%

Model Number	Description
GD-MBLE-VPHP-01UT	Mobile GDS

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About M2DCON - Our core team brings greater than 35 years of experience to formulate the solution to meet the needs of our Customers. M2DCON focuses 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.), the M2DCON team has proven experience developing and manufacturing state of the art decontamination equipment and solutions to meet the most challenging requirements of our Customers.

