Megaturion™ MT-A
Bulk Gas Source System

SEMI-GAS® supplies SEMI S2 certified, production-ready ultra high purity gas source systems, distribution systems and control technology to leaders in the Semiconductor industry and related high-tech fields. Built to address the most rigorous precision and purity demands of these specialized applications, SEMI-GAS® solutions are globally renowned for their premier levels of safety, quality, and performance.

DESIGN STANDARDS
- Conforms to SEMI S2 Standards
- UL Labeled
- Conforms to Uniform Building and Fire Codes
- Upholds Sample Validation Testing Standards
- Helium Leak Tested to 1x10^-9 atm-cm³/sec
- Equipped with GigaGuard™ PLC Controller

FEATURES
- Safely Dispenses Bulk Hazardous Process Gases
- Auto Shutdown in the Event of an Alarm Trip
- Monitors Flow Pressure, Exhaust and Fire Sensors
- Intuitive Operating Interface and Control
- Optional Manifold and Cylinder Heaters
- Continuously Monitors System Conditions for Alarms
- Remote Outputs for System Status and/or Shutdown

ENGINEERING DATA
- Dimensions: 86" T X 40" W X 23" D
- Window Open Duct Flow: 350 SCFM
- Voltage: 100 to 250 VAC, 1 Phase
- Frequency: 50 to 60 Hz

MATERIALS OF CONSTRUCTION
- Welded 11 Ga Steel Enclosure
- Self-Closing and Self-Latching Door
- Self-Closing and Self-Latching Window
- Heavy Cast Aluminum Cylinder Brackets
- Polycarbonate Face Shield
- UL Approved Fire Sprinkler
- 1/4" Thick Safety Glass Window

ORDERING INFORMATION
Contact your SEMI-GAS® sales rep or visit www.semi-gas.com

BY APPLIED ENERGY SYSTEMS
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MEGATURION-MT-A-082016-V1
SAFETY FEATURES

- Coaxial Tubing for toxic and hazardous gas applications (optional)
- Door Switch Monitor for applications that require extra security and/or limited access (optional)
- UV/IR Detector for pyrophoric gas applications including silane and silane mixtures greater than 1.37% (required for silane)
- Rate of Rise Heat Detector for flammable gas applications (optional)
- Hazardous Gas Detector for all hazardous, toxic, and/or flammable gas applications (required for silane, consult local codes for all other gases)
- Purge Gas Bleed Valve for manifolds and piping systems with large internal volumes or line lengths (optional)
- Controller Z-Purge Kit for systems installed in Class 1 Division 2 hazardous locations, as well as applications for silane and silane mixtures greater than 1.37% (required for silane)
- Dual Cylinder Restraints for applications that require additional cylinder security or are located in seismic zones (required for specific seismic areas)
- Auto-Guard™ Cylinder Connection Cover for preventing accidental disconnection of a hazardous gas cylinder from a gas source manifold (optional)
- Shutboy Software Upgrade to accommodate Shutboy valve shutters for automatically closing the gas cylinder valve during emergency situations (optional)

ORDERING INFORMATION

Example: Fully Automatic Autoswitchover Bulk Specialty Gas System for Tonner Cylinders

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M  T  A  5  X  O
Product Configuration Control Process Manifold Operation Purge
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Product

M = Megaturion™ Bulk Specialty Gas System

Configuration

T = Tonner Cylinders
M = Multicylinder MegaCyl™

Control

A = Fully Automatic

Process Manifold

5 = 5-Valve (for all gas types)

Operation

X = Autoswitchover

Purge

P = Purge
O = No Purge

*All Megaturion™ Bulk Specialty Gas Systems can be customized to meet unique specifications. Contact your SEMI-GAS® sales rep for details.*