



Xturion™ MGE-XM™

Custom Mini Gas Enclosure



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 Random Validation Testing Standards
- ◆ Helium Leak Tested to 1×10^{-9} atm-cm³/sec
- ◆ Equipped with GigaGuard™ GSM Controller

FEATURES

- ◆ Specifically Designed for Small Process and Purge Gas Cylinders
- ◆ Safely Dispenses Hazardous Process Gases
- ◆ Automatic Shutdown in the Event of an Alarm Trip
- ◆ Performs Purging Automatically
- ◆ Includes Ergonomically Positioned Color Touch Screen
- ◆ Intuitive Operating Interface
- ◆ Continuously Monitors System Conditions for Alarms
- ◆ Multiple Communications Protocol Available
- ◆ Magnehelic and Pressure Switch Exhaust Detection
- ◆ Adjustable Exhaust Ducts
- ◆ Optional Single Source Design for Future Expansion
- ◆ Optional Auto-Switchover Capabilities

ENGINEERING DATA

- ◆ Dimensions: 69" T X 32" W X 27" D
- ◆ Exhaust Ducts (2): 6" Diameter
- ◆ Window Open Duct Flows (2): 60-70 SCFM

MATERIALS OF CONSTRUCTION

- ◆ Welded 11 Ga Steel Enclosure
- ◆ Self-Closing and Self-Latching Double Doors with Divider Plate
- ◆ Self-Closing and Lockable Windows
- ◆ 13 Ga Adjustable Steel Shelves with Cylinder Straps
- ◆ Reinforced Mounting Holes
- ◆ UL Approved Fire Sprinklers
- ◆ 1/4" Thick Safety Glass Windows



ORDERING INFORMATION

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

BY APPLIED ENERGY SYSTEMS

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Malvern, PA 19355

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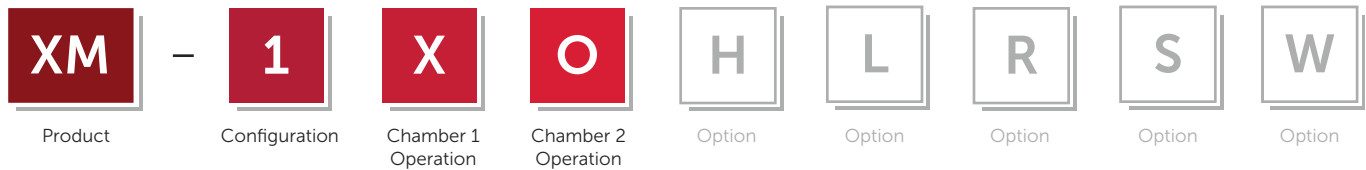
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SAFETY FEATURES

- ◆ **Coaxial Tubing** for toxic and hazardous gas applications (optional)
- ◆ **Door Switch Monitor** for applications that require extra security and/or limited access (optional)
- ◆ **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)
- ◆ **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: Mini Gas Enclosure with One Chamber Populated



Product

XM = Xtursion™ MGE-X™ Mini Gas Enclosure

Configuration

- 1** = 1 Chamber Populated
- 2** = 2 Chambers Populated

Chamber 1 Operation (Left side facing)

- X** = Autoswitchover
- N** = Independent Processes
- P** = Process/Purge
- O** = Empty

Chamber 2 Operation (Right side facing)

- X** = Autoswitchover
- N** = Independent Processes
- P** = Process/Purge
- O** = Empty

Options

- H** = Heat Upgrade
- L** = Liquid Containment
- R** = Rack Mounted
- S** = Sub-Atmospheric Delivery
- W** = Weight Scales



*All Xtursion™ Custom Gas Systems can be engineered to meet unique specifications. Contact your SEMI-GAS® sales rep for details.