GigaGuard™ GG-PLC
Programmable Logic Controller

DESIGN STANDARDS
- Conforms to SEMI S2 Standards
- UL Labeled
- Intuitive Operator Control
- Programmable Inputs

FEATURES
- Safely Controls Ultra High Purity Process Gases
- For Use with Fully Automatic Centurion™, Decaturion™, Megaturion™, and Xturion™ Gas Systems
- Monitors Process Sensors, Both Analog and Digital
- Meets S8 HMI Requirements
- Performs Purging Automatically
- Performs Cylinder Switchover Automatically
- Includes Ergonomically Positioned Color Touch Screen
- Maintains Detailed Alarm Logs
- Continuously Monitors System Conditions for Alarms
- Multiple Communications Protocols Available
- Gas and Fire Detection Integration Available
- Z-Purge Class 1, Div 2 Upgrades Available

MATERIALS OF CONSTRUCTION
- Welded 11 Ga Steel Enclosure
- Flip-Up Door with Air Shocks
- Magnehelic Gauges with Low Differential Pressure Switch
- 8” Siemens TFT Color LCD Touch Screen (Larger 12” Touch Screen Available)
- Multi-Color Panel Status Lights
- Retractable Tilt Screen Housing
- S7-300 Series PLC CPU

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.

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

BY APPLIED ENERGY SYSTEMS
180 Quaker Lane
Malvern, PA 19355

Phone: 610.647.8744
Fax: 610.640.4548
Email: sales@semi-gas.com

GIGAGUARD-GG-PLC-082016-V1
**SAFETY FEATURES**

- **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)
- **Shutboy Software Upgrade** to accommodate Shutboy valve shutters for automatically closing the gas cylinder valve during emergency situations (optional)

**ORDERING INFORMATION**

Example: Programmable Logic Controller with 9’ Color Touchscreen

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**Product**
- GG = GigaGuard™ Controller

**Series**
- PLC = Programmable Logic Controller

**Control**
- A = Fully Automatic

**Interface**
- 09 = 9’ Color Touchscreen
- 12 = 12’ Color Touchscreen

**Exhaust**
- O = No Exhaust
- 1 = 1 Exhaust Outlet
- 2 = 2 Exhaust Outlet

**Z-Purge**
- Z = Z-Purge
- O = No Z-Purge

**Option**
- E = Ethernet

*All GigaGuard™ Controllers can be customized to meet unique specifications. Contact your SEMI-GAS® sales rep for details.*

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