Centurion™ C3-S
Three Cylinder Semi Automatic Gas Cabinet

**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 $1 \times 10^{-9}$ atm-cm$^3$/sec
- Equipped with GigaGuard™ ESS Controller

**FEATURES**
- Safely Dispenses Hazardous Process Gases
- Automatic Shutdown in the Event of an Alarm Trip
- Utilizes Manual Purge Process
- Monitors Flow, Pressure, Exhaust and Fire Sensors
- Intuitive Operating Interface and Control
- LED Lights Provide Constant Systems Status
- Continuously Monitors System Conditions for Alarms
- Remote Outputs for System Status and/or Shutdown

**ENGINEERING DATA**
- Dimensions: 86” H X 40” W X 23” D
- Exhaust Duct: 8” Diameter
- Window Open Duct Flow: 550 SCFM
- Voltage: 110 To 240 VAC, 1 Phase
- Frequency: 50 To 60 Hz

**MATERIALS OF CONSTRUCTION**
- Welded 11 Ga Steel Enclosure
- Self-Closing and Self-Latching Door and Window
- Heavy Cast Aluminum Cylinder Brackets
- Polycarbonate Face Shield
- Durable, Corrosion Proof, Non-Skid Floor Mat
- UL Approved Fire Sprinkler
- 1/4” Thick Safety Glass Window

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

CENTURION-C3-S-082016-V1
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SAFETY FEATURES

- 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)
- Dual Cylinder Restraints for applications that require additional cylinder security or are located in seismic zones (required for specific seismic areas)
- Shutboy Software Upgrade to accommodate Shutboy valve shutters for automatically closing the gas cylinder valve during emergency situations (optional)

ORDERING INFORMATION

Example: Three Cylinder Semi Automatic Autoswitchover Gas Cabinet with Purge

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<th>Operation</th>
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Product

C = Centurion™ Gas Cabinet

Configuration

1 = 1 Cylinder  
2 = 2 Cylinder  
3 = 3 Cylinder

Control

M = Manual  
S = Semi Automatic  
A = Fully Automatic

Process Manifold

2 = 2-Valve (for inert gases)  
3 = 3-Valve (for inert gases)  
5 = 5-Valve (for toxic, flammable, and reactive gases)

Operation

X = Autoswitchover  
N = Independent Processes

Purge

P = Purge  
O = No Purge

Option

I = Individual Process Cabinets  
S = System Upgrades for Silane

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