**Centurion™ C2-A**

Two Cylinder Fully Automatic Gas Cabinet with 1 x 1 Enclosure

**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™ PLC Controller

**FEATURES**
- Safely Dispenses Hazardous Process Gases
- Separate Enclosures for Individual Cylinders
- Performs Purging Automatically
- Automatic Shutdown in the Event of an Alarm Trip
- Includes Ergonomically Positioned Color Touch Screen
- Intuitive Operating Interface and Control
- Continuously Monitors System Conditions for Alarms
- Maintains Detailed Alarm Logs
- Multiple Communications Protocols Available
- Optional Z-Purge
- Optional 1CE200 Enclosures Specifically Designed for Silane Delivery

**ENGINEERING DATA**
- Dimensions: 86" T X 31" W X 23" D
- Exhaust Duct- 1CE200: 8" Diameter
- Exhaust Duct- 1CE: 6" Diameter
- Window Open Duct Flow- 1CE200: 850 SCFM
- Window Open Duct Flow- 1CE: 350 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
- Self-Closing and Lockable 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](http://www.semi-gas.com)

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CENTURION-C2-A-1x1-082016-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)

**ORDERING INFORMATION**

Example: Two Cylinder Fully Automatic Autoswitchover Gas Cabinet with Individual Process Cabinets

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C 2 - A 5 X O I S
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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.*