CollabraTech SOLUTIONS

WHERE RELATIONSHIPS MATTER

Standard Systems

Citadel™ GC Systems

GAS CABINET DATA SHEET

Features & Benefits:

- Inert, toxic hazardous gases; semi-auto or fully automatic with a touch-screen interface
- Cabinet or rack mounted
- Single-, dual- and multiple-process panel configurations
- Optional purge panel with purge procedure proven in corrosive applications, such as F_2, HF, HCl, and WF_6
- Engineered to process requirements
- Life safety relay logic to override PLC for fire, leak, toxic and facility shutdowns with relay feedback
- Modular construction improves service and maintenance
- SEMI-S2 compliant

Gas Cabinet

A wide range of cabinets, controllers and panels can be configured into a system engineered to match your needs. In addition, an extensive list of options are available to meet the industry standards in nearly every gas system. Gas Distribution Systems have a proven record for semiconductor applications with 99.999% uptime. CollabraTech also provides custom systems and solutions in circumstances where standard configurations are not sufficient.

The Gas Distribution System is configured in either a rack for inert gases, or a cabinet for systems that require either containment or exhaust capabilities. The system controller varies depending on the need for automation and factory communications.

The family of controllers includes a manual switch for cylinder changeover, a semi-automatic changeover that monitors pressure or cylinder weight and fully automated changeover, complete with user-configurable alarms and operating parameters, such as timers and set points. Contact CollabraTech for assistance in developing a system that meets your needs.

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Sales and Service:
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Controller Options

- Manual switch for automatic cylinder changeovers
- Semi-auto systems with automatic switchover
- Fully automated systems with purge routines

Cabinet Options

- 1-,2-, and 3-cylinder gas rack
- 1-,2-, and 3-cylinder gas cabinet

Panel Options

- Purge panel
  - Regulator
  - Purifiers
  - Pressure switch
  - Transmitter
- Process panel
  - Manual panels, 3–8 valves
  - Automatic panels, 5–8 valves
  - Purifiers & filters
  - Pressure switches
  - Transmitters
  - Flow switches
  - Test valves
  - Manual isolation valves
  - Emergency shutoff valves

Gas Cabinet Enclosure

- 1 & 2 cylinder: 28″ W x 23″ D x 83.5″ H with 6″ exhaust
- 3 cylinder: 42″ W x 23″ D x 83.5″ H with 6″ exhaust

Safety Options

- UV/IR sensor
- Temperature switch
- Leak sensor
- Door interlocks
- Remote shutdown relays
- EMO
- Sprinklers
- Heat
- Cool (Chiller)

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