



PARIC CORPORATION
77 Westport Plaza Suite 250
St. Louis, MO 63146
TEL: 636-561-9500
FAX: 636-561-9501

REQUEST FOR INFORMATION **DATE:** December 08, 2016 **NO.:** RFI-374

To: Cannon Design

Attn: Kelvin Patel

From: Paric Corporation

Requested By: Devin Gates

Project Name: 15051-Webster University Interdisciplinary Science Building Project No.: 15051

Subject: Fire sprinkler at gas cabinet in room 137

Response Required By: December 15, 2016

Drawing / Spec Reference:

Information Requested:

The submitted gas cabinets for the west wall in room 137 come with a fire sprinkler head. This is not currently shown on the FP drawings. Please advise if this needs to be added.

Response:

Provide fire suppression to gas cylinder cabinets as required. Extend sprinkler piping to factory installed sprinkler head. Sprinkler piping is to be run above the ceiling, to the rear (west) stud wall and down within the stud space. Piping to exit the stud space and extended to the point of connection to the cabinet sprinkler head. Piping is to be held tight to the top of the cabinet to limit exposure and visibility. Exposed / visible piping to be painted as directed by the Architect.

ARCHITECT'S RESPONSE:

This information is provided as an interpretation of the Contract Documents for implementation. It is not an authorization for change to the Contract Sum or Contract Time. If this information results in a claim for a change to the Contract, the Contractor shall notify the [Construction Manager][Architect] of a change through the change process.

Answered By: Mike Whitworth - WES

Date: January 06, 2017



The Safety Equipment 7000-Series Compressed Gas Cabinets hold from one to four gas cylinders. They are constructed with high quality materials for long life and ease of use. Our compressed cabinets meet or exceed all existing code requirements worldwide. Custom features and cabinet configurations are available upon request. Safety Equipment has been supplying industries with compressed gas cabinets since 1979.

- Low cost
- In stock
- Custom cabinets a specialty.
- Extra heavy duty steel construction 11 gauge steel (0.119 inches), thicker than code requirement.
- One piece body construction for safety.
- All welded construction including hinges.
- Cabinet is ground smooth for clean room capability.
- Louver panel acts as pressure relief vent.
- Protective enclosure prevents accidentally hitting regulators, valves, and purge assemblies.
- Allows for toxic gas monitoring
- Access window
- Our gas cabinets meet standard S2-93 safety guidelines for semiconductor manufacturing equipment
- Meets international fire code

Gas Cabinets

7000-Series Compressed gas cabinets

Construction

All cabinets are constructed using 11-gauge (.119-inches) thick steel. Sub-flooring is provided to eliminate rusting of the cabinets bottom. Adjustable cylinder brackets allow for precise fitting to pigtail. The cabinet door and clear fire-rated window will close and latch automatically. Welding is used whenever possible in order to achieve maximum strength and to aid in easy removal of components for repair and/or replacement. All fasteners used to mount components such as windows, door handles, purge assembly mounting panels and cylinder brackets are of stainless steel. Inside cabinet finish is smooth to maintain a clean environment and outside surface is slightly textured to maintain appearance.

Exhausting

The exhaust vent is located on top of cabinet. Louvers allow air to enter cabinet for exhausting. They are located on the lower part of the door, which provides maximum coverage of airflow through cabinet. Back panel, which mounts valves, regulators, and purge assemblies

is mounted to facilitate air flow behind panel for complete internal cabinet exhausting. Where cylinder shelves are employed, shelves are perforated in order to allow maximum air flow through cabinet.

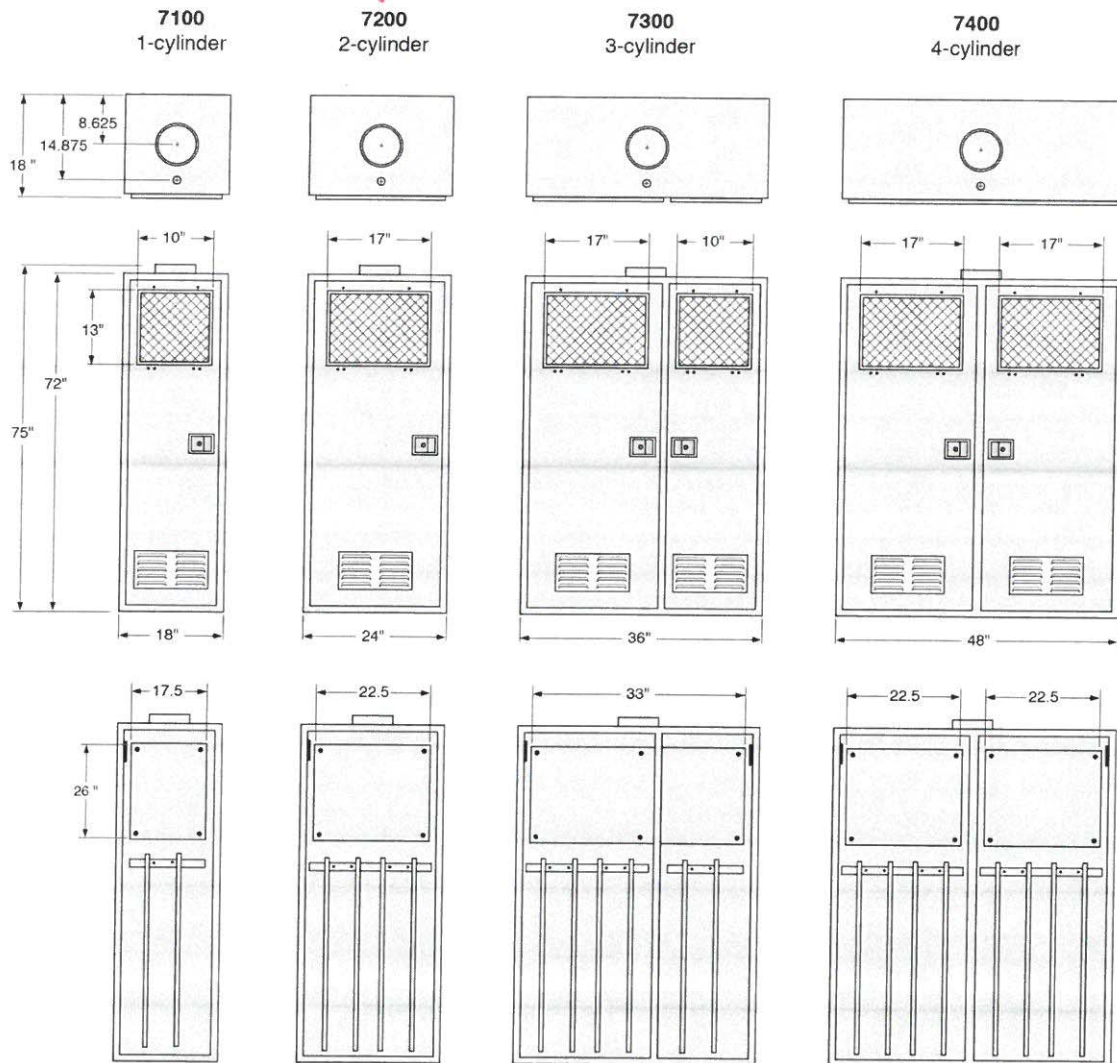
Safety and Monitoring

Cylinders, valves and purge assemblies are isolated from accidental contact, vandals, and other assemblies, thus avoiding leaks. Cylinder brackets will hold cylinders in the event of a fire or earthquake. A filter can be mounted on the inside of the cabinet door behind the louvers, allowing for process protection by minimizing contamination from ambient air impurities.

Windows permit visual inspection and/or access into cabinet for adjustments while minimizing operators exposure to potential toxic leaks. Water sprinkler heads on ceiling of cabinet activate between 160°F and 165°F and are coated for protection from corrosive environments.



Gas Cabinet Models
(all dimensions in inches)



Features:

- All welded construction using 11-gauge steel, epoxy painted. Texture finish on outside, smooth finish on inside of cabinet.
- Exhaust vent located on top of cabinet is 6" diameter x 3" high.
- 165°F sprinkler head on top of cabinet is coated with bees wax.

- Removable white back panel mounts to inside rear cabinet.
- Cylinder bracket accommodates 7" to 10" diameter cylinders. The brackets are adjustable for precise pig-tail alignment.
- Door and window will close and latch automatically.
- Window is 1/4" thick clear wire glass.

- Louvers at bottom of door.
- Flush mounted stainless steel paddle latch.
- All stainless steel fasteners.

Options:

- Adjustable shelves
- Dome roof configurations
- Keyed door latch
- Air intake filter
- Custom colors
- Rubber floor mat



Safety Equipment Corporation
1141 Old County Road
Belmont, CA 94002

(650) 595-5422
Fax (650) 595-0143

Email: Info@SafetyEquipmentCorp.com

Web: SafetyEquipmentCorp.com