

Laboratory 1000 Series Gas Cabinet for Flammable Gases

GAS CABINETS



Description: The Lab 1000 Series gas cabinets are designed to meet the safe storage requirements for flammable gases while conforming to the guidelines provided in the applicable national codes, such as the International Fire Code (IFC), International Building Code (IBC), International Mechanical Code (IMC) and the National Fire Protection Agency (NFPA).

The single-cylinder flammable gas cabinet includes a regulator, gas detector, automatic flow shutoff valve, an excess flow valve and a flashback arrestor.

The two-cylinder flammable gas cabinet includes a changeover manifold, gas detector, automatic flow shutoff valve, an excess flow valve and a flashback arrestor.

A control box is provided as a standard with the cabinet to provide power to the gas detector as well as offer an emergency stop button and commands to the automatic shutoff valve.

Additional options such as pressure and flow monitoring, remote E-stop, remote gas monitoring or VCR connections with clean room assembly are available to meet your specific process requirement.

Design Features

Designed for code conformance

11-gauge steel cabinet construction with self-closing doors and windows and internal sprinkler head

Protects personnel

Safely exhausts hazardous gases

Gas detection with cabinet mounted display

View gas levels from outside the cabinet, automatic shutdown at alarm levels

Automatic Shutdown

Normally closed shutoff valve actuated by emergency stop button or high gas concentration

Standard Configurations

Laboratory 1000 Series Flammable Gas Cabinet with Individual Process Panel
Part # V89 ES1452

24" wide steel cylinder cabinet with individual brass pressure regulator to house one process cylinder and one spare cylinder. Cabinet also contains an excess flow valve and flashback arrestor mounted downstream of the regulator. A gas detector and control box mounted to the top of the cabinet provides a means of shutting down the system in the event of a leak. Constructed with NPT connections.

Laboratory 1000 Series Flammable Gas Cabinet with Automatic Changeover Manifold
Part # V89 ES1450

24" wide steel cylinder cabinet with brass automatic changeover manifold to house two process cylinders. The panel allows for automatic switching to second cylinder upon depletion of the first cylinder. Cabinet also contains an excess flow valve and flashback arrestor mounted downstream of the manifold. A gas detector and control box mounted to the top of the cabinet provides a means of shutting down the system in the event of a leak. Constructed with NPT connections.

Facilities Requirements

Power	110 VAC	N/A
Pneumatic Supply (N ₂ or clean, dry air)	adjustable to 90 psig	1 slm max.
Sprinkler	30 psig	31 gpm
Exhaust	>0.15" H ₂ O	300scfm (2-cylinder)

Please call 1-800-282-1524 for technical sales and support of this product.