

## Laboratory 2000 Series Gas Cabinets for Toxic and Corrosive Gases

GAS CABINETS



**Description:** The Lab 2000 Series gas cabinets are designed to meet the safe storage requirements for toxic and corrosive 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 toxic and corrosive gas cabinet includes a regulator with purge controls utilizing a vacuum venturi, gas detector and automatic flow shut-off valve.

The two-cylinder toxic and corrosive gas cabinet includes a changeover manifold with purge controls utilizing a vacuum venturi, gas detector and automatic flow shutoff valve.

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

<p><b>Laboratory 2000 Series Toxic &amp; Corrosive Gas Cabinet with Individual Process Panel</b> Part # V89 ES1453</p>	<p>24" wide steel cylinder cabinet with individual stainless steel pressure regulator to house one process cylinder and a purge gas cylinder mounted inside the cabinet. Cabinet also contains a purge gas regulator for vacuum motive supply. 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.</p>
<p><b>Laboratory 2000 Series Toxic &amp; Corrosive Gas Cabinet with Automatic Changeover Manifold</b> Part # V89 ES1451</p>	<p>36" wide steel cylinder cabinet with stainless steel changeover manifold to house two process gas cylinders and a purge gas cylinder mounted outside the cabinet. Cabinet also contains a purge gas regulator for vacuum motive supply. 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.</p>

### Facilities Requirements

Power	110 VAC	N/A
Pneumatic Supply (N <sub>2</sub> or clean, dry air)	adjustable to 90 psig	1 slm max.
Process Purge (N <sub>2</sub> cylinder)	adjustable to 80 psig	30 slm
Vacuum Drive (N <sub>2</sub> from cylinder or house line)	adjustable to 85 psig	85 slm max
Sprinkler	30 psig	31 gpm
Exhaust	>0.15" H2O	300scfm (2-cylinder)

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