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
- Laboratory 2000 Series Toxic & Corrosive Gas Cabinet with Individual Process Panel
  Part # V89 ES1453
  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.

- Laboratory 2000 Series Toxic & Corrosive Gas Cabinet with Automatic Changeover Manifold
  Part # V89 ES1451
  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.

Facilities Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>110 VAC</td>
</tr>
<tr>
<td>Pneumatic Supply (N₂ or clean, dry air)</td>
<td>adjustable to 90 psig</td>
</tr>
<tr>
<td>Process Purge (N₂ cylinder)</td>
<td>adjustable to 80 psig</td>
</tr>
<tr>
<td>Vacuum Drive (N₂ from cylinder or house line)</td>
<td>adjustable to 85 psig</td>
</tr>
<tr>
<td>Sprinkler</td>
<td>30 psig</td>
</tr>
<tr>
<td>Exhaust</td>
<td>&gt;0.15” H2O</td>
</tr>
</tbody>
</table>

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