

Nano Semi 3000 Series Gas Cabinet for Highly Toxic & Pyrophoric Gases

GAS CABINETS



Description: The Nano Semi 3000 Series gas cabinets are designed to meet the safe storage requirements for highly toxic and pyrophoric 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 highly toxic and pyrophoric fully automatic group of cabinets includes a process panel with purge controls utilizing a vacuum venturi, gas detector and automatic flow shutoff valve.

A touch-screen PLC is provided as a standard with the cabinet to provide automated control of all critical functions such as purge sequence, emergency shut-off, alarm outputs and exhaust pressure monitor. Additional options such as automatic switchover, integrated scales, purgeable splitters, RFO, filtration and purification are available to meet your specific process requirements.

Standard Configurations

Nano Semi 3000 Series Highly Toxic & Pyrophoric Gas Cabinet

24" wide steel cylinder cabinet with individual process panel 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, gas detector and automatic flow shut-off valve. A touch-screen PLC mounted to the top of the cabinet provides automated control of critical functions. Clean room assembly with VCR connections.

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

PLC Controls

Color touch screen interface, auto-sequenced routings of operation and maintenance

Facilities Requirements

Power	115	N/A
Pneumatic Supply (N ₂ or clean, dry air)	adjustable to 90 psig	1 slm max.
Process Purge (N ₂ cylinder)	adjustable to 80 psig	30 slm
Vacuum Drive (N ₂ from cylinder or house line)	adjustable to 85 psig	85 slm max
Process Vent	>1.0" WC	100 slm
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.