Specialty Gas Cabinet
VGC Series

VIGOUR

Product Features

- Continuous and uninterrupted safe supply of electronic-grade specialty gases.
- Optional evacuation and purging functions, with safety pressure relief.
- Class 100 cleanroom welded assembly.
- Optional PLC control with communication interface, which can be accessed by the intelligent monitoring platform system.
- High pressure / Low pressure alarm with audible and visual signals, capable of emergency shutoff.
- 10" display screen showing cylinder pressure and other data.

Product Applications

- University/Research Laboratories
- Industrial Manufacturing
- Photovoltaic Solar Energy
- Pharmaceuticals and Biotechnology
- Semiconductor Integrated Circuit Manufacturing

Design Standards

- Complies with SEMI S2 standards.
- Complies with international building fire safety codes.
- Maximum working pressure: 110% of proof test pressure.
- Helium leak detection rate: 1×10^{-9} mbar l/s He.

Technical Specifications

Type:	Specialty Gas Cabinet
Material:	SS 316L for valves and piping components
Applicable gases:	Flammable/self-igniting gases, corrosive gases, toxic gases (e.g., SiH4, HCl)
Gas Supply Method:	Gas cylinder
Power Supply:	110~240V AC
Configurations:	Single-cylinder, dual-cylinder
Enclosure:	Corrosion-resistant welded steel
Glass Window:	Switchable, 1/4" wire-reinforced glass
Door:	Auto-closing
Exhaust Pipe:	Top-mounted exhaust pipe

Optional Features

VGC - A 2 - 04 - SiH4 - Option - Option

Model

GC: Gas Cabinet
GR: Gas Rack
BSGS: Bulk Specialty Gas System

Actuator

M: Manual
S: Semi Automatic
A: Fully Automatic

Cylinder

1: one cylinder
2: two cylinder
3: three cylinder

Gas Type

SiH4: Silane
NH3: Ammonia
H2: Hydrogen
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Inlet Connection

04: 1/4"
06: 3/8"
08: 1/2"

Option

CH: Cylinder heating
PH: Panel heating
UV-IR: UV-IR flame detector
EFS: Excess flow switch
RC: Remote communication
WS: Weight scale
GDS: Harmful gas leak test
CGA/DISS: CGA/DISS torque wrench
DSM: Door switch monitor
LF: Line filter
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