Valve Manifold Box
VVMB Series

VIGOUR

Product Features

- Multi-point distribution of raw materials from the supply source to the usage points.
- 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.
- Touchscreen display for cylinder pressure and other relevant 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:	Valve and electrical control box
Material:	SS 316L for valves and piping components
Applicable gases:	Flammable/self-igniting gases, corrosive gases, toxic gases (e.g., SiH4, HCl)
Power Supply:	110~240V AC
Enclosure:	Corrosion-resistant welded steel
Glass Window:	Switchable, 1/4" wire-reinforced glass
Door:	Auto-closing
Exhaust Pipe:	Top-mounted exhaust pipe

Optional Features

VVMB - A 1 4 - 08 - 04 - SiH4 - Option - Option

Model
VMB: Valve Manifold Box
VMP: Valve Manifold Panel

Actuator
M: Manual
S: Semi Automatic
A: Fully Automatic

Inlet port
1: 1 port
2: 2 port

Outlet port
4: 4 port
6: 6 port
8: 8 port

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

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

Gas Type
SiH4: Silane
NH3: Ammonia
H2: Hydrogen
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Option
UV-IR: UV-IR flame detector
RC: Remote communication
TSV: Test port
GDS: Harmful gas leak test
DSM: Door switch monitor
LF: Line filter
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