



# Decaturion™ D1-M2

## Two Valve Manual Gas Panel



SEMI-GAS® supplies SEMI S2 certified, production-ready ultra high purity gas source systems, distribution systems and control technology to leaders in the Semiconductor industry and related high-tech fields. Built to address the most rigorous precision and purity demands of these specialized applications, SEMI-GAS® solutions are globally renowned for their premier levels of safety, quality, and performance.

### DESIGN STANDARDS

- ◆ Conforms to SEMI S2 Standards
- ◆ Conforms to Uniform Building and Fire Codes
- ◆ Upholds Sample Validation Testing Standards
- ◆ Helium Leak Tested to  $1 \times 10^{-9}$  atm-cm<sup>3</sup>/sec

### FEATURES

- ◆ Designed for Nitrogen and Other Self-Purging Gases
- ◆ Manual Pigtail Purge Capability
- ◆ Gauge Based Pressure Monitoring
- ◆ Assemblies Front-Mounted on Standoffs for Easy Access and Manifold Maintenance
- ◆ Ultra High Purity Orbitally Welded and VCR Construction
- ◆ Ultra High Purity Diaphragm Valves
- ◆ Single Stage Tied Diaphragm Regulator
- ◆ Conical Filter Gasket
- ◆ Includes Rigid Pigtail with Standard CGA Connection

### ENGINEERING DATA

- ◆ 1/4" Tube
- ◆ 3500/100 psi Max Inlet/Outlet Pressure
- ◆ Dimensions: 31" T X 14" W X 12" D

### OPTIONS

- ◆ Outlet Isolation Valve
- ◆ Retrofittable to Centurion™ Gas Cabinet Installation
- ◆ Purge Gas Purification



### ORDERING INFORMATION

Contact your SEMI-GAS® sales rep or visit [www.semi-gas.com](http://www.semi-gas.com)

### BY APPLIED ENERGY SYSTEMS

180 Quaker Lane  
Malvern, PA 19355

Phone: 610.647.8744

Fax: 610.640.4548

Email: [sales@semi-gas.com](mailto:sales@semi-gas.com)

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### SAFETY FEATURES

- ◆ **Purge Gas Bleed Valve** for manifolds and piping systems with large internal volumes or line lengths (optional)
- ◆ **Dual Cylinder Restraints** for applications that require additional cylinder security or are located in seismic zones (required for specific seismic areas)

### ORDERING INFORMATION

Example: Two-Valve Manual Gas Panel



#### Product

C = Decaturion™ Wall Mount System

#### Configuration

1 = 1 Cylinder  
2 = 2 Cylinder

#### Control

M = Manual  
S = Semi Automatic  
A = Fully Automatic

#### Process Manifold

2 = 2-Valve (for inert gases)  
3 = 3-Valve (for inert gases)  
5 = 5-Valve (for toxic, flammable, and reactive gases)

#### Operation

X = Autoswitchover  
N = Independent Processes

#### Purge

P = Purge  
O = No Purge

#### Option

R = Rack

\*All Centurion™ Gas Cabinets can be customized to meet unique specifications. Contact your SEMI-GAS® sales rep for details.

