

**GAS CABINETS**

## Nano Semi 7000 Series Valve Manifold Box



**Description:** The Nano Semi 7000 Series Valve Manifold Box (VMB), is also representative of Airgas® continuous drive and commitment to providing the industry’s safest and most reliable UHP specialty gas equipment available. Mass customization and modular design of the gas sticks and controls architecture have combined to widen the product configuration spectrum and greatly increase user flexibility.

The NS 7000 Series VMB makes it easy to meet your exact needs while allowing for ease of service and upgradeability. Start by choosing one of several *core* VMB configurations. Begin customizing by selecting the number of sticks, then optionalize each stick with any number of options including: regulation, transducers, filtration, excess flow sensors, RFO’s and more! Airgas will walk you through this process in a simple step by step manner. Airgas Sales Engineers are always available to walk you through the customization process, either by phone or in person.

### Standard Configurations

<b>4-stick</b>	0-4 sticks populated
<b>8-stick</b>	0-8 sticks populated
<b>8-stick Dual Gas</b>	0-4 sticks for Gas A, 0-4 sticks for Gas B

### Process Panel Features

**Ultra High Purity (UHP) 316L SS / VAR construction**

Surface finish 10 Ra avg. or better

**Vacuum assisted purging**

UHP orbitally welded w/ strategic VCR® placement

**Helium leak tested to 1.0 X 10<sup>-9</sup> atm\*cc/s**

CLASS 100 / CLASS 10 clean room assembly & test

### Stick Options

**Regulation**

Transducer (Gauge Standard)

**Excess Flow Sensor**

Filtration

### Controls Features

**PLC Control of all critical functions**

10.4" color touch screen interface

**Proven auto-sequenced routines of operation & maintenance**

User settable limits for all process & alarm parameters

**Exhaust pressure monitor**

On-screen warnings, alarms, prompting and instructions

**Emergency Off (EMO)**

EMO and EGO Inputs

**Alarm Outputs**

Multi-level password protection

**Diagnostics screen**

Valve cycle count screen

**Z-Purge ready for Class I Div II compliance**

### VMB Options

**Gas Leak Sensor**

UVIR

### Facilities Requirements

<b>Vacuum Drive</b>	adjustable to 85 psig	85 slm max.
<b>Pneumatic Supply</b>	adjustable to 90 psig	1 slm max.
<b>Process Purge</b>	adjustable to 80 psig	30 slm
<b>Process Vent</b>	>1.0" WC	100 slm
<b>Power</b>	110V, 3A	N/A
<b>Sprinkler (if required)</b>	30 psig	31 gpm
<b>Exhaust</b>	>0.15" H2O	250scfm

**For technical support and or ordering information, please call 1-800-539-5711 8 AM - 7 PM EST.**