The FlexGas™ Manual/Semi-Automated Valve Manifold Box is designed to meet the most demanding requirements for safe handling and Ultrahigh Purity (UHP) delivery of many process gases. A myriad of configurations are available to delivery to up to eight (8) points-of-use in this UHP and very compact package. Sister product to the popular FlexGas Gas Cabinet, it is also representative of SDC’s continuous drive and commitment to providing the industry’s safest and most reliable UHP specialty gas equipment available. Mass customization and modular design concepts of gas sticks and FlexPowr™ Controller architecture have combined to widen the product configuration spectrum and greatly increase user flexibility.

From the Fab to the Lab to the University, SDC sets itself apart as the clear choice for value in today’s budget conscious environment.
**Gas Stick Options**
- Pressure regulator
- Pressure gauge
- Coaxial pressure outlets
- Coax jacket monitor

**FlexPowr™ Controller**
- For automatic shutdown of VMB on individual sticks (4-valve only)
- User configuration Inputs/Outputs
- Process alarm output
- Exhaust pressure fail
- Hazard alarm output

**Other Control Options**
(w/FlexPowr™ Controller only)
- Gas leak detection
- UVIR detection

**Dimensions**
- 17”W x 31”H* x 12.38”D
*38”H w/FlexPowr™ Controller

**OEM discounts and private-labeling services available.**

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**FlexGas™ Manual/Semi-Automated Manifold Box**

The FlexGas™ VMB makes it easy to meet your exact gas delivery needs. Our modular design concept allows you to use a building-block method to configure a VMB to your specifications no more paying way too much for a system that far-and-away exceeds your requirements.

Start by choosing one of several base configurations. Begin customizing right at the gas panel level by selecting the number of gas sticks you require. Next, determine whether your systems needs only PURGE, only EVAC, or both PURGE & EVAC. Continue by configuring each individual gas stick to meet your process requirements. Stick options are listed on the front page.

Add safety and peace-of-mind by purchasing the optional FlexPowr™ Controller. A normally-closed ESO Valve is added as part of the FlexPowr Controller option for automatic shutdown of the INLET MANIFOLD. The FlexPowr Controller supports up to 4 dry-contact alarm inputs. Exhaust pressure switch, gas leak detection, & UVIR are just some of the optional controls components available for shutdown.

Please note that manual and/or semi-automated systems like the FlexGas Mini™ VMB are not recommended for use in ALL applications. SDC recommends that FULLY AUTOMATED SYSTEMS be used for toxics, corrosives, pyrophorics, and other highly hazardous gases/liquified gases.

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**FACILITIES REQUIREMENTS**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pneumatic Supply</td>
<td>adjustable to 90 psig</td>
</tr>
<tr>
<td>Process Purge</td>
<td>adjustable to 80 psig</td>
</tr>
<tr>
<td>Vacuum Drive</td>
<td>adjustable to 85 psig</td>
</tr>
<tr>
<td>Process Vent</td>
<td>&gt;1.0” WC</td>
</tr>
<tr>
<td>Power</td>
<td>115V, 3A</td>
</tr>
<tr>
<td>Sprinkler [if used]</td>
<td>30 psig</td>
</tr>
<tr>
<td>Exhaust</td>
<td>0.15” H₂O 150 scfm (2-cyl)</td>
</tr>
<tr>
<td></td>
<td>0.15” H₂O 250 scfm (3-cyl)</td>
</tr>
</tbody>
</table>

1. Needed only with optional FlexPowr™ Controller
2. Needed only with optional PURGE CIRCUIT
3. Needed only with optional EVAC CIRCUIT