Bulk Specialty Gas Systems
Bulk Gas Supply

Product Datasheet

Features & Benefits:

- Power Purge V, PLC-based controller
- Single- or double-process panels with optional purge panel
- Supply from cylinder bundles, y-cylinders, tube trailer or tank truck
- Automatic crossover with configurable auto-purge and optional deep pigtail purge
- High-flow and ultra-high-flow design
- Optional double isolation for all process valves
- Optional communication protocols
- Semi S2-0200 compliant

BSGS

The Bulk Specialty Gas System (BSGS) is a state-of-the-art distribution system designed for safe, automatic delivery of bulk specialty gases. The Power Purge V controller provides the operator with intuitive, easy-to-use touch-screens and on-screen prompts to simplify operator interaction with the machine. The graphical interface allows an operator to quickly determine the status of the tool with a glance at the screen. The panel buttons and on-screen menus offer easy access to any of the controller screens.

The BSGS is designed to distribute gas to a distribution line from one or two bulk supplies, such as various configuration of cylinder bundles, y-size cylinders or tube trailers. The system can be configured for high-flow or ultra-high-flow applications with dual-stage pressure regulators, block heaters and source environmental controls. Norcimbus designs the systems to ensure the best uptime in the industry with the most stable supply record. The system software is designed to improve efficiency and extend the lifetime of the tool. Contact Norcimbus for more information about a system that matches your needs.
BSGS Enclosure Features

- Superior Construction – 11-gauge cold-rolled steel, all-welded construction, polyester powder coating for superior corrosion resistance
- Large windows – Self-closing, self-latching with 1/4” safety glass
- Doors – Self-closing, self-latching with enclosure gasket with full-length hinge for years of trouble-free service
- Cabinet louvers – Air intake on door bottom and bottom rear of the enclosure evacuates gases through the read plenum and eliminates dead areas
- Exhaust sensor – Alarm can initiate chemical shutdown, audible alarm or remote alarm as needed
- Sprinkler head – U.L. approved
- Optional rack or stainless steel cabinet designs
- Semi F14 compliant
- Semi S2000 compliant

BSGS Max Flow Rate (SLPM)

<table>
<thead>
<tr>
<th>Gas</th>
<th>Normal</th>
<th>High</th>
<th>Ultra High</th>
</tr>
</thead>
<tbody>
<tr>
<td>SiH4</td>
<td>60</td>
<td>100</td>
<td>500</td>
</tr>
<tr>
<td>NH3</td>
<td>50</td>
<td>200</td>
<td>1000</td>
</tr>
<tr>
<td>CL2</td>
<td>50</td>
<td>75</td>
<td>200</td>
</tr>
<tr>
<td>HCL</td>
<td>150</td>
<td>600</td>
<td>2000</td>
</tr>
<tr>
<td>SF6</td>
<td>60</td>
<td>150</td>
<td>500</td>
</tr>
<tr>
<td>CO2</td>
<td>150</td>
<td>500</td>
<td>1000</td>
</tr>
<tr>
<td>H2</td>
<td>200</td>
<td>800</td>
<td>1500*</td>
</tr>
<tr>
<td>N2O</td>
<td>150</td>
<td>500</td>
<td>1000</td>
</tr>
<tr>
<td>C2F6</td>
<td>75</td>
<td>125</td>
<td>400</td>
</tr>
<tr>
<td>H2/N2</td>
<td>100</td>
<td>250</td>
<td>1000</td>
</tr>
<tr>
<td>NF3</td>
<td>60</td>
<td>150</td>
<td>600**</td>
</tr>
</tbody>
</table>

*Custom 3000  **Custom 1000
Max flow may vary depending on environmental conditions and component requirements. Contact Norcimbus for specifications.

BSGS Enclosure Specifications

- Three-cylinder enclosure – 42” W x 23” D x 89” H, Dual 6” Exhaust
- Three-cylinder gas rack – 42” W x 23” D x 89” H

Optional BSGS Accessories

- Door/window sensors – Provide programmable alarm if door or window is opened
- Toxin monitor – Monitors enclosure continuously for any sign of toxic leak
- Fire sensors – Standard rate of rise or optional UV/IR or dual IR sensors
- Scale platforms for y-cylinders in single- or multiple-cylinder configurations, tube trailer or tank-truck scale system.
- Single- or dual-loop heaters to prevent condensation
- Source gas environmental control to eliminate freezing
- VMBs for efficient freezing
- Flow meters for total flow and usage tracking