FabStream™ BGDS
Bulk Gas Delivery System

FabStream™ BGDS is designed to provide end users with a continuous supply of gas from bulk sources: bundles, ton tank, truck trailers.

The full automatic BGDS is designed for all process gas applications. Switchover panels with in-house purge operation sequences allow to maintain the quality and the purity of the gas.

FabStream™ BGDS with Patented AVP (All Vapor Phase) is designed to sustain unsurpassed liquefied gas flow with high reliability.

Applications
Industries and processes requiring high purity high reliability gas delivery systems supplied by bulk container.

Operation
The FabStream™ BGDS delivers an uninterrupted supply of process gas via the auto-switchover of two sources. The controller performs an automatic purge cycle prior to a source change to enable a reliable, efficient and safe source change without contamination.

- Unsurpassed flow
- High reliability
- Patented AVP (All Vapor Phase) technology to handle high flow liquefied gas dispense
- PLC controlled system
- Redundancy of the process valves for augmented safety
- Joule-Thomson heater
# FabStream™ BGDS

## Product description

### Features
- Compatible with all type of bulk sources
- Autoswitch for continuous supply
- Maintain source gas purity
- Automatic purge sequences for source change and maintenance
- Double stage pressure regulation
- Modular panel design
- Pigtail design for purge efficiency and purge gas cost saving
- Dynamic real-time information: schematic, pressure, weight and alarms with user-friendly HMI
- TCP/IP Ethernet Communication on all controllers

### Options
- Dedicated purge panel
- Patented induction heating system
- Patented AVP (All Vapor Phase) regulation system
- Filters
- EFS (Excess Flow Switch)
- Weight scale for liquefied gas level controlling
- Double containment pipe pressure management
- Several communication protocol available
- Z-purge for the system controller
- Scrubber
- Pigtail box
- Start-up assistance and training

### Safety features
- Exhaust flow alarm
- Gas leak detection
- Several alarm settings and parameters
- High level of security with multi-level user passwords
- Automatic dispense and purge minimizing human errors
- Audible and visual warning and alarms
- Emergency gas shutdown

## Technical specifications

### Utility requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Venturi service nitrogen</td>
<td>6 bar, 50 slpm</td>
</tr>
<tr>
<td>UHP purge nitrogen</td>
<td>6 bar, 10 slpm</td>
</tr>
<tr>
<td>Clean Dry Air (pneumatic for valves)</td>
<td>6 bar, 10 slpm</td>
</tr>
<tr>
<td>Vent</td>
<td>Connected to scrubber</td>
</tr>
<tr>
<td>Electricity (power &amp; ground)</td>
<td>110-240 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>Electricity for heaters (power &amp; ground)</td>
<td>Single phase, 110VAC, 32A, 60Hz, 220VAC, 6A, 50Hz</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Cabinet BGDS</td>
<td>1,827 mm</td>
<td>740 mm</td>
<td>510 mm</td>
</tr>
<tr>
<td>Gas Cabinet BGDS extended (gas panel size)</td>
<td>2,087 mm with heating box</td>
<td>1,091 mm with heating box</td>
<td>710 mm with electrical box</td>
</tr>
<tr>
<td>Rack BGDS</td>
<td>1,803 mm</td>
<td>714 mm</td>
<td>475 mm</td>
</tr>
<tr>
<td>Rack BGDS extended (gas panel size)</td>
<td>2,065 mm with electrical box</td>
<td>1,241 mm with heating box</td>
<td>480 mm with electrical box</td>
</tr>
</tbody>
</table>

### Certifications
- CE Mark
- Other upon request

## Contacts

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