FabStream™ III Gas Cabinet

FabStream™ III is designed to provide end users with a continuous supply of gas.

The full automatic gas cabinet 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. Patented AVP (All Vapor Phase) for high flow liquefied gas delivery with unsurpassed reliability.

Applications
Industries and processes requiring high purity, high reliability gas delivery systems.

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

• High Reliability
• Patented AVP (All Vapor Phase) technology to handle high flow liquefied gas dispense
• PLC controlled system
• More than 4,000 units running on fields
FabStream™ III Gas Cabinet

Features

- Compatible with all cylinder types
- Auto switch for continuous supply
- Maintain quality and purity specifications using process gas on site
- Automatic purge sequences validated with live ESG
- PLC and 10” color touch screen
- Dynamic real-time information: schematic, pressure, weight and alarms with user-friendly HMI
- All controllers include TCP/IP Ethernet Communication
- Weight scale for liquefied gas level controlling

Options

- Dedicated purge panel
- Cylinder heating system [AVP]
- UHP filters
- EFS [Excess Flow Switch]
- Pressure management of External double containment pipe
- RPV [Reduced Purge Volume]
- Several communication protocol available
- Z-purge for the system controller
- Detoxal Cartridge

Safety features

- Exhaust flow alarm
- Gas leak detection
- Precise alarm messages
- Multilevel password protection to restrict access to critical functions
- Increase safety and eliminate human hazards during cylinder changes
- Audible and visual warning and alarms
- Emergency gas shutdown

Technical specifications

Utilities requirements

- Venturi Service Nitrogen: 6 bar, 50 slpm
- UHP Purge Nitrogen: 6 bar, 10 slpm
- Clean Dry Air: 6 bar, 10 slpm
- Vent: Connected to scrubber
- Electricity: 110-240 VAC, 50/60 Hz

Dimensions

<table>
<thead>
<tr>
<th></th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>For 2 cylinders</td>
<td>2,109mm</td>
<td>635mm</td>
<td>776mm</td>
</tr>
<tr>
<td>For 3 cylinders</td>
<td>2,109mm</td>
<td>1,065mm</td>
<td>776mm</td>
</tr>
</tbody>
</table>

Certifications

- CE Mark
- Other on request

Reliability

- MTBF*: 4.5 years
- MTTR**: <2 hours
- Uptime: 99.9993%

*Mean Time Between Failure  ** Mean Time To Repair

Contacts

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The world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with approximately 68,000 employees and serves more than 3 million customers and patients*. Oxygen, nitrogen and hydrogen are essential small molecules for life, matter and energy. They embody Air Liquide’s scientific territory and have been at the core of the company’s activities since its creation in 1902.

* Following the acquisition of Airgas on 23 May 2016