Connected Gas Cabinet

The new generation Gas Cabinet is designed for all process gas applications ensuring both continuous fully automatic dispense to process and incoming gas purity integrity.

This innovative and fully connected Gas Cabinet ensures safety and prevents any risk for personnel, equipment and installation.

**Applications**
- Delivery of most flammable, toxic, corrosive & oxidizing gases
- High flow delivery for pressurized and liquefied gases
- From semiconductor to other industrial markets

- All time status with smartphone wireless communication
- Maintenance & parameters settings through wireless or wired connection
- Easy & quick day-to-day operation with a rotation HMI
- High flow liquefied gas dispense thanks to patented AVP (All Vapor Phase) technology
- Best maintenance due to an innovative components integration design
Connected Gas Cabinet

**Features**
- Status monitored through touch screen or wireless communications with smartphone, tablet or computer,
- Choice of wireless and wired connection for parameters settings
- Ethernet modbus connection for supervision,
- Dynamic IP address modification through the HMI,
- Real-time information: simple schematic, pressure, weight & alarms,
- User-friendly screen interface,
- Automatic purge modes: cylinder change and maintenance,
- Compatible with all cylinder types,
- Increased uptime to the point of use,
- Maintained source gas purity.

**Safety features**
- Exhaust flow alarm,
- External shutdown management,
- Several alarm settings for best operation,
- High level of security with multi-level user passwords,
- Automatic dispense and purge minimizing human errors.

**Options**
- Touch tablet for maintenance,
- Dedicated purge panel,
- Cylinder heating system & AVP,
- Weight scale control,
- UHP (Ultra High Purity) filters,
- Flow switch,
- Double containment pipe pressure management,
- Start-up assistance and training,
- Wifi communication module.

**Technical specifications**

**Utilities requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Pressure</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Venturi service nitrogen</td>
<td>6 bar (84 psi)</td>
<td>50 slpm</td>
</tr>
<tr>
<td>UHP purge nitrogen</td>
<td>6 bar (87 psi)</td>
<td>10 slpm</td>
</tr>
<tr>
<td>Clean dry air</td>
<td>6 bar (87 psi)</td>
<td>10 slpm</td>
</tr>
<tr>
<td>Extraction minimum flow</td>
<td>380 m³/h</td>
<td></td>
</tr>
<tr>
<td>Electricity (power &amp; ground)</td>
<td>110-240 VAC, 50/60 Hz</td>
<td></td>
</tr>
</tbody>
</table>

**Dimensions**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure</td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>2,000mm (79&quot;)</td>
</tr>
<tr>
<td>Width</td>
<td>680mm (27&quot;)</td>
</tr>
<tr>
<td>Depth</td>
<td>533mm (21&quot;)</td>
</tr>
</tbody>
</table>

**Certifications**

- CE Mark
- Other on request

**Reliability**

- MTBF*: 8,760 hours
- MTTR**: <2 hours
- Uptime: 99.9993%

*Mean Time Between Failure ** Mean Time To Repair

**Contacts**

Air Liquide Electronics Systems
8, rue Méridiens – Sud Galaxie
38130 Echirolles – France
Phone: +33 (0)4 38 49 88 00
E-mail: frales-contact@airliquide.com

**Creative Oxygen**

www.airliquide.com

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