Scott™ 8404 ChangeOver Systems combine diffusion-resistant regulators and diaphragm-sealed valves to create a compact gas delivery system in a panel mounted enclosure. It provides continuous gas flow from two separate sources (cylinders or banks) to your application. When one source empties, the changeover system automatically draws from the second source. The first source can then be changed without interruption to the outlet pressure.

The 8404 Series includes high-pressure inlet and vent valves, allowing for isolation and complete removal of entrapped air and moisture from startup, or after a cylinder changeout. Auxiliary access ports provide versatility to change location of high-pressure inlet ports or to add additional pigtails creating up to a four-cylinder changeover without the added cost of header manifolds.

### Benefits/Features
- Eliminates costly downtime by providing constant, uninterrupted flow of high-purity gases.
- Prevents gas outages and wasted gas due to premature cylinder changeout.
- Optimizes system purity by allowing line purging and cleaning before adding a new cylinder.
- Reduces operating costs by facilitating scheduled cylinder changeouts.
- Safe purge vent in rear protects operators.
- Cleaned for oxygen service.
- Optional pressure switch and annunciator alert operator when changeover has occurred.

### Specifications

- **Inlet Pressure**: 3000 psi (207 bar) maximum
- **Switchover Pressure**: 220 psig (15 bar)
- **Differential Pressure**: 50 psig (4 bar) per regulator maximum
- **Operating Temperature Range**: -40°F to 165°F (-40°C to 74°C)
- **Flow Capacity**: 240 SCFH (N2)
- **Flow Coefficient**: Cv = 0.06
- **Gauge**: 2.5” (67 mm) face
- **Weight**: 20 lbs. (9 kg)

### Materials of Construction
- **Body**: Brass or 316L Stainless Steel
- **Diaphragms**: 316 Stainless Steel
- **Gauges**: Brass or stainless steel
- **Seats**: PTFE
- **Nonwetted Panel**: Powder-coated steel
- **Bonnets**: Brass or stainless steel
- **Pigtails**: 36” flexible stainless steel with brass or 316L CGA fittings as appropriate

### Optional Equipment
- Annunciator
- Flash arrester
- Flow limit shutoff valves
- Pressure relief valves
- Pressure switches
- Check valves (2 required – one for each pigtail)

### Optional: Indicating pressure switch gauges with annunciator can be added to this system by placing an A at the end of the part number (i.e. Q8404-BR1-N2A)

### Gas Service

<table>
<thead>
<tr>
<th>Gas Service</th>
<th>CGA Connection**</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air</td>
<td>590</td>
<td>A5</td>
</tr>
<tr>
<td>Argon, helium or nitrogen</td>
<td>580</td>
<td>N2</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>320</td>
<td>CD</td>
</tr>
<tr>
<td>Hydrogen, methane or carbon monoxide</td>
<td>350†</td>
<td>H2</td>
</tr>
<tr>
<td>Oxygen</td>
<td>540†</td>
<td>O2</td>
</tr>
</tbody>
</table>

** Other cylinder connections are available – please contact your Air Liquide representative.

† If your system requires CGA 350 (flammable) or CGA 540 (oxygen), an explosion-proof switch should be used. Contact your Air Liquide representative for more information.

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