High-Flow Primary ChangeOvers

Model 8AS

SCOTT™ High-Flow Automatic ChangeOver Manifolds provide the ideal solution for gas delivery applications that require an uninterrupted high-flow of gas. Designed to provide 50 SCFM of nitrogen, this system allows depletion of gas from one source without concerns of gas outages or gas waste due to premature changeouts. This unique design can be used in applications such as blanketing or filling other vessels that require high-flow of gas.

Benefits/Features
- Eliminates costly downtime by providing constant, uninterrupted gas flow.
- Automatic cylinder bank changeover reduces operating and labor cost.
- Check valves prevent backflow of gas.

Specifications
- **Inlet Pressure:**
  - Maximum: 3000 psig (200 bar)
  - Minimum: 300 psig (14 bar)
- **Operating Temperature Range:**
  - -40°F to 140°F (-40°C to 60°C)
- **Flow Coefficient:** Cv = 1.2
- **Flow Capacity:** Up to 50 SCFM of nitrogen
- **Inlet Connection:** Specify CGA, 1/2" NPT Female ports
- **Outlet Connection:** 1/2" NPT Male with a flow restrictor
- **Gauge Size:** 2" (53 mm) face
- **Weight:** 10.5 lbs. (4.8 kg)

Materials of Construction
- **Changeover Bodies:** Brass or stainless steel
- **Diaphragms:** 316 Stainless Steel
- **Seats:** PTFE
- **Seals:** EPR
- **Bonnet:** Brass or stainless steel
- **Gauges:** Brass or stainless steel
- **Pigtails:** 36" stainless steel flexible pigtails with brass or 316L Stainless Steel CGA connections as appropriate

### Model 8AS

<table>
<thead>
<tr>
<th>Brass</th>
<th>Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q8-AS-B-HF-(*)-3</td>
<td>Q8-AS-S-HF-(*)-3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inlet Pressure Gauge</th>
<th>Delivery Pressure Range (Nonadjustable)</th>
<th>Delivery Pressure Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>psig</td>
<td>bar</td>
<td>psig</td>
</tr>
<tr>
<td>0 – 4000</td>
<td>0 – 276</td>
<td>160 – 200</td>
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</tbody>
</table>

* Replace with CGA from table below.

** Gas Service | CGA Connection** | Code **
---|---|---
Air | 590 | A5
Argon, helium or nitrogen | 580 | N2
Carbon dioxide | 320 | CD
Hydrogen, methane or carbon monoxide | 350† | H2
Oxygen | 540† | O2

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

** 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.

Option: 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. Q8-AS-B-HF-N2-3A)