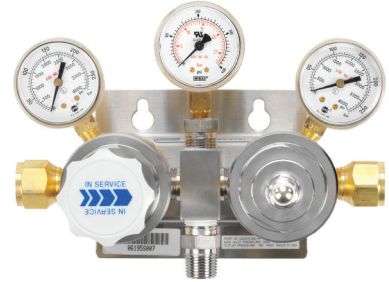


High-Flow Primary ChangeOvers

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:**
3000 psig (200 bar) maximum
300 psig (14 bar) minimum
- 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:** PCTFE
- Seals:** EPR
- Bonnet:** Brass or stainless steel
- Gauges:** Brass or stainless steel
- Pigtails:** 3/6" stainless steel flexible pigtail with brass or 316L Stainless Steel CGA connections as appropriate

Model 8AS		Inlet Pressure Gauge		Delivery Pressure Range (Nonadjustable)		Delivery Pressure Gauge	
		psig	bar	psig	bar	psig	bar
Brass	Stainless Steel						
Q8-AS-B-HF-(*)-3	Q8-AS-S-HF-(*)-3	0 – 4000	0 – 276	160 – 200	11 – 14	0 – 400	0 – 28

* 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

** 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)

Optional Equipment

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