

High-Flow SwitchOver Manifold

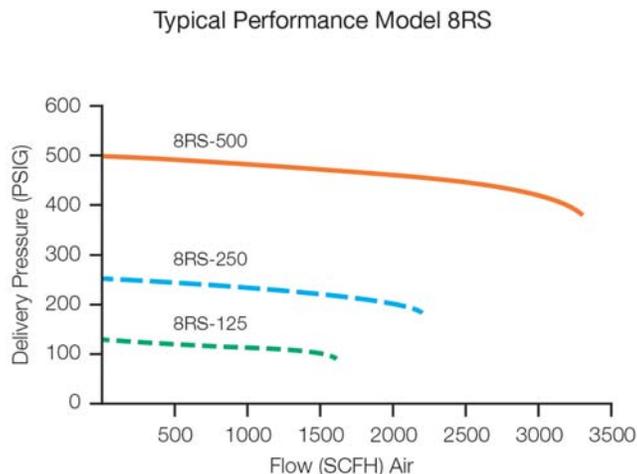
MODEL 8RS

This automatic switchover manifold handles flow rates up to 3000 SCFH, at delivery pressures up to 500 psig. The Model 8RS is ideal for providing continuous flow of gas between a primary and secondary or backup supply. When the primary gas supply has been depleted, this unit automatically switches to the secondary supply—thus enabling the user to entirely deplete the gas contained in a single or multi-cylinder source without creating a gas outage. This also eliminates the possibility of wasting valuable gas due to premature cylinder changeout.

The Model 8RS manifold is highly recommended for use with all industrial or high-purity noncorrosive gases to provide constant delivery pressure control to instrumentation by incorporating a secondary outlet line regulator. Downstream line or station regulation is not necessary unless various distribution point pressures are required. The 8RS unit is equipped with a heavy-duty, stainless steel bracket for convenient wall-mount installations.



Model 8RS Flow Data



Benefits and Features

- Maximum inlet pressure is 3000 psig
- Outlet line regulator: 125, 250 and 500 psig available
- 2.75" stainless steel diaphragms
- One piece encapsulated seat design with internal filter and PTFE seat
- Brass construction with 1/2" NPT inlet and outlet ports
- Tamper-proof and self-resealing high-pressure relief valve
- Stainless steel front panel
- 72" stainless steel flexible pigtails with integral CGA check valves
- 2.5" dual-scale gauges (psi/bar)

Specifications

- Inlet Pressure:** 3000 psig (207 bar) max.
- Maximum Flow Capacity (SCFH):**
 - 8RS-125: 1600
 - 8RS-250: 2200
 - 8RS-500: 3000
- Weight:** 22 lbs. (10 kg)

Typical Applications

- Laser assist gas
- Bulk gas back-up
- High-flow blanketing processes

Model Number	Delivery Pressure Range in psig (XXX)	Inlet CGA Code (YYY)	Gas Service
IG8RS-XXX-YYY (Add the appropriate delivery pressure and inlet CGA code shown at right to complete model number.)	125	346	Air
	250	590	Air (Industrial)
	500	580	Argon, Nitrogen, Helium
		350	Hydrogen, Methane
		540	Oxygen

Please note: manifold accessories are available—contact your Air Liquide representative for more information.