

Gas Analyzers



Compact and robust fluid control solutions that enhance the reliability and performance of your industrial gas analyzer

Challenges

Compact Size

Fluid paths must be compact and have modular designs, enabling the detection of different gases simultaneously within a compact gas analyzer design.

**COMPACT
CONSTRUCTION**
WITH EASY MOUNTING
OPTIONS TO SAVE
VALUABLE SPACE



Reliable Performance

To ensure reliability and measurement accuracy, fluid control devices must minimize leakages and be constructed of inert materials and ensure cleanliness to prevent contamination.

**TESTED
RELIABILITY**
TO ENSURE
DEPENDABLE
PERFORMANCE



Lower Maintenance

Fluid control technology must be durable and provide long-term consistent performance to enhance the gas analyzer reliability.

**EXTENDED
LIFECYCLES**
REDUCE
MAINTENANCE
CONCERNS AND COSTS



OUR SOLUTIONS - Optimize performance and increase speed-to-market

Emerson's broad portfolio of general service valves are designed for use with air and inert gases in analytical instruments and gas analyzers. The valves are very compact and have low power consumption, while their vacuum capability and an extensive choice of orifice size options make them extremely versatile across multiple disciplines.

Versatile general service valve solutions with design flexibility

Emerson's general service valves for gas analyzers include the ASCO™ Series 094, Series 065, Series RB and the even smaller Series 076 and Series 088 miniature valves. Reliable construction, with easy manifold mounting options and quick customization capability help to optimize your gas flow control design and speed up the launch of your new analyzers.

The Series 094 general service valves feature a 19mm stainless steel valve body, two-way or three-way functions and a variety of different port configurations for manifold and in-line mounting. The valves are tested to ensure a very low leakage rate and provide in excess of 100 million cycles.



ASCO Series 094 Miniature Solenoid Valves



ASCO Series 094 Product Specifications

Materials	Body: Stainless Steel
	Seal: FKM, EPDM and NBR
Temperature	-23°C to +66°C (-10°F to 150°F)
Standard voltages	12 VDC, 24 VDC
Power consumption	0.65W, 1.5W or 1.9W holding (high flow version)
Pressure range	Vacuum to 6.9 bar (100 psi)
Vacuum rating	-0.9 bar (-13 psi)
Response time	< 10 ms
Air flow rate	Cv: 0.016 ~ 0.057 or 0.325 (high flow version)

ASCO Series 065 Miniature Solenoid Valves



ASCO Series RB Miniature Valves



ASCO Series 076 Miniature Valves



ASCO Series 088 Miniature Valves



Scan QR code to consult with an expert.

