

Process Gas Equipment

AK



Diaphragm Valve for General Applications AK. Rc , R and NPT connections are added to series. For wide variety of applications from semiconductor to general. Cleaned for O₂ service. Compact and lightweight by making the actuator shorter (AK3542/4542). M5 actuation port (AK3542/4542).

Compact and lightweight by modifying the knob design (AK3652/4652). The knob is a unique design that combines a scalloped round knob with a raised rectangular section to provide two choices of gripping. (AK3652/4652).

AP



Check Valve/Vacuum Generator/Flow Switch AP. Fluid back-flow is prevented by back pressure. Unique design with only one moving part in the gas stream, an O-ring. Springless structure suppresses particle generation by vibration or chattering or pressure fluctuation on downstream side.

Vacuum generation equipment. Applicable to emission of unnecessary gas remaining inside the piping during gas cylinder replacement. Detects excess flow above a given flow rate, caused by pipe breakage, etc.

AP1000



Series AP is an ultra-high purity (UHP) regulator for gas delivery in semiconductor and other clean industries. The series is available in low to high flow capacities, with some models offering a tied-diaphragm design. Available options include Hastelloy® internals for corrosion resistance, a tube stub weld fitting connection type, and various surface finishes. For UHP gas delivery. Flow capacity: standard to 15 slpm; HF (option) to 30 slpm. Body material: 316L SS secondary remelt. Hastelloy® internals available for corrosion resistance. Sub-atmospheric pressure delivery option.

AP3500



AP3500, Diaphragm Valve, Air Operated (Low Pressure). Series AP is an ultra-high purity (UHP) diaphragm valve for gas delivery in semiconductor and other clean industries. The series is available in air operated and manually operated valves with low and high pressures. Available options include Hastelloy® C22, 316L SS secondary remelt, and the choice of normally closed or normally open indicator switch. Suitable for UHP gas line supply line. Body material: 316L SS secondary remelt. Pneumatically actuated normally closed or normally open. LOTO option available as an option (AP3540). Indicator switch available as an option (AP3550).