

EZ Manual Gas Panels

Description: Airgas EZ Series Manual Gas Panels are designed for laboratories, universities and low grade nanotech applications for inert, flammable, oxidizer, and low-part corrosive and toxic gas mixtures. The compact design reduces the pressure and keeps gas volumes to a minimum. The panels come with standard features to ensure operator safety. The quarter turn valves provide a visual indication of open/close.

The EZ 2000 series has brass components with 316 stainless steel spool pieces. The EZ 4000 series has 316 stainless steel components with 316 stainless steel spool pieces. Both series have compression fittings to connect the components to the spool pieces. A 36" flexible pigtail is standard and a rigid 1/4" electropolished stainless steel accordion bend design pigtail is available as an option.

These gas panels can be used as a standalone process panel mounted to a wall or rack, and can be configured into our Lab or Semi grade gas cabinets. These panels are available in multiple configurations to fit most process system requirements. The standard manual panel is configured with one to six quarter turn manual valves and a regulator specifically sized for the system requirements and process gas.

The available options include Gas Detection tied to an Automatic Shut Off and both local and remote E Stop. Also excess flow shut off valve and custom shut down device using our Series 278 controller.



Process Gas Panels

GAS CABINETS



Design Features

- Brass or 316 Stainless steel components
- 316 Stainless Steel spool pieces
- Compression fittings on components and orbitally welded spool pieces
- Quarter turn valves to provide visual indication of open/close
- 1 – 5 valve designs configuration
- CGA or DISS cylinder connection
- CGA will have check valve incorporated into the nipple
- Single or two-stage regulator

Standard Features	EZ1V	EZ2V	EZ3V	EZ4V	EZ5V	EZ6V
UHP Diaphragm Regulator	X	X	X	X	X	X
Process Outlet Shut Off Valve	X	X	X	X	X	X
Process Inlet Isolation Valve		X	X	X	X	X
High Pressure Vent Valve			X	X	X	X
High Pressure Purge Valve				X	X	X
Purge Inlet Check Valve				X	X	X
Low Pressure Vent Valve			X	X	X	X
Vacuum Generator and Valve Assembly						X
HP and LP Gauges	X	X	X	X	X	X
All Welded spool pieces	X	X	X	X	X	X

Available Options	EZ1V	EZ2V	EZ3V	EZ4V	EZ5V	EZ6V
All welded construct and compression fitting connections	x	X	X	X	X	X
Automatic Shut Off Valve	x	X	X	X	X	X
Inlet or Outlet Filters	X	X	X	X	X	X
Excess Flow Valve	x	X	X	X	X	X
Inlet or Outlet Indicating Pressure Switches	x	X	X	X	X	X
Alarm Systems	x	X	X	X	X	X
Gas Detection	x	X	X	X	X	X
E Stop Box(Local or Remote)	x	X	X	X	X	X
Dual Outlets	x	X	X	X	X	X

Ordering Information

Product Number	Component Material	Number of Valves	Single Stage Regulator	Two Stage Regulator
Y40-21EZ1V(CGA)	BRASS	1	Y	N
Y40-22EZ1V(CGA)	BRASS	1	N	Y
Y40-21EZ2V(CGA)	BRASS	2	Y	N
Y40-22EZ2V(CGA)	BRASS	2	N	Y
Y40-21EZ3V(CGA)	BRASS	3	Y	N
Y40-22EZ3V(CGA)	BRASS	3	N	Y
Y40-21EZ4V(CGA)	BRASS	4	Y	N
Y40-22EZ5V(CGA)	BRASS	4	N	Y
Y40-21EZ5V(CGA)	BRASS	5	Y	N
Y40-22EZ5V(CGA)	BRASS	5	N	Y
Y40-21EZ6V(CGA)	BRASS	6	Y	N
Y40-22EZ6V(CGA)	BRASS	6	N	Y
Y40-41EZ1V(CGA)	316 Stn Steel	1	Y	N
Y40-42EZ1V(CGA)	316 Stn Steel	1	N	Y
Y40-41EZ2V(CGA)	316 Stn Steel	2	Y	N
Y40-42EZ2V(CGA)	316 Stn Steel	2	N	Y
Y40-41EZ3V(CGA)	316 Stn Steel	3	Y	N
Y40-42EZ3V(CGA)	316 Stn Steel	3	N	Y
Y40-41EZ4V(CGA)	316 Stn Steel	4	Y	N
Y40-42EZ4V(CGA)	316 Stn Steel	4	N	Y
Y40-41EZ5V(CGA)	316 Stn Steel	5	Y	N
Y40-42EZ5V(CGA)	316 Stn Steel	5	N	Y
Y40-41EZ6V(CGA)	316 Stn Steel	6	Y	N
Y40-42EZ6V(CGA)	316 Stn Steel	6	N	Y

Airgas EZ manual gas panels can be easily mounted into either our Lab Series or Semi Grade line of gas storage cabinets

Please call 800-939-5711 for more information or to order