

# Modular Gas Panels

## Model 7MGP

Model 7 Modular Gas Panels make it easier than ever to control specialty gases at point-of-use when the gas source is located remotely. Gas pressure, purity, filtration and distribution can all be controlled conveniently in a single unit with preassembled, snap-in panels. Available in stainless steel and brass, any combination of pressure regulators, purifiers, moisture traps and outlet valves can be configured to meet virtually any laboratory requirement.

Modular design provides unlimited flexibility to meet existing and future laboratory requirements. Units can be wall or bench mounted, or suspended from a ceiling. Panels snap into a prefabricated metal frame and are connected to the primary gas supply via flexible, stainless steel tubing.

All panels are tested and cleaned before shipping to assure purity. Pressure control panels feature a high-purity regulator with gauge and purifier bypass valve. Purification panels provide protection against contaminants in the gas supply. Moisture and hydrocarbon traps are available. Delivery panels feature up to five outlets, with a separate shutoff valve for each outlet.



### Benefits/Features

**Easy to Install** – individual panels mount on a prefabricated, expandable, metal mounting frame.

**Flexible Design** – complete modular unit can be mounted on a wall, lab bench or suspended from a ceiling.

**High-Purity Construction** – leak-free system components are designed, cleaned and built to maintain gas purity.

**Convenience** – provides control of gas pressure, purity and distribution at point-of-use, with up to five outlets with shutoff valves.

**Cost Savings** – panels are shipped completely assembled, tested and ready for service. Installation is quick and easy.

### Specifications

**Inlet Pressure:** 250 psig (17 bar) maximum

**Operating Temperature Range:**  
-40°F to 140°F (-40°C to 60°C)

**Purifier Module:**  
Indicating moisture/hydrocarbon (other purifier module options are also available)

**Flow Coefficient:** Cv = 0.06

**Filter:** 40 micron

**Panel Inlet Connection:** 1/4" compression

**Panel Outlet Connection(s):** 1/4" compression

**Gauge Size:** 2.5" (67 mm) face

### Materials of Construction

**Regulator/Valve Body:**  
Brass or 316 Stainless Steel

**Diaphragm:** 316 Stainless Steel

**Seats:** PCTFE

**Seal:** Teflon®

**Bonnet:** Brass or 300 Stainless Steel

**Gauges:** Brass or stainless steel

**Panel:** 14-gauge steel

**Finish:** Textured epoxy paint

Model 7MGP (3 Modules)		Number of Outlets	Delivery Pressure Range		Delivery Pressure Gauge	
Brass	Stainless Steel		psig	bar	psig	bar
Q7MGPBMIH2	Q7MGPSMIH2	2	0 – 100	0 – 7	0 – 160	0 – 11
Q7MGPBMIH3	Q7MGPSMIH3	3	0 – 100	0 – 7	0 – 160	0 – 11
Q7MGPBMIH4	Q7MGPSMIH4	4	0 – 100	0 – 7	0 – 160	0 – 11
Q7MGPBMIH5	Q7MGPSMIH5	5	0 – 100	0 – 7	0 – 160	0 – 11

Custom modifications are available for other regulator, purifier and valve outlet module configurations. Please contact your Air Liquide representative for more information.