

Point-of-Use Panels

Model 7P

Model 7P Point-of-Use Panels provide a practical way to regulate and control specialty gases at the process point or location of GC equipment when gases are stored in a remote location. Panels can incorporate up to four high-purity regulators that protect the integrity of laboratory gases. Rear entry inlet ports allow for tubing to be installed safely behind the panel. Standard delivery pressure range is 0 – 100 psig (0 – 7 bar). Other delivery pressure ranges are available.

Model 7PS features stainless steel construction for durability when used with corrosive gases. Model 7PB features brass construction and is recommended for use with noncorrosive gases only.



Benefits/Features

- High-purity design protects gas from contamination.
- Rear entry regulator inlet ports allow for piping to be installed behind the panel.
- Protects lab instruments via precision control of gas delivery.
- Prevents confusion between gases at point-of-use.
- Stainless steel diaphragm eliminates off-gassing.
- High-purity diaphragm-sealed outlet valve provides gas flow control and positive shutoff.

Specifications

- Inlet Pressure:** 3000 psig (207 bar) maximum
- Operating Temperature Range:** -40°F to 140°F (-40°C to 60°C)
- Flow Coefficient:** Cv = 0.06
- Supply Pressure Effect:** 2 psi per 100 psi (0.1 bar per 7 bar)
- Regulator Inlet Port:** 1/4" NPT Female
- Inlet/Outlet Connection:** 1/4" NPT Female
- Gauge Size:** 2" (53 mm) face

Materials of Construction

- Body:** Brass or 316 Stainless Steel
- Diaphragm:** 316 Stainless Steel
- Seats:** PCTFE
- Seal:** PTFE
- Bonnet:** Brass or 300 Stainless Steel
- Gauges:** Brass or stainless steel
- Panel:** 14-gauge steel power-coated paint

Model 7P		Number of Outlets	Delivery Pressure Range		Delivery Pressure Gauge		
			psig	bar	psig	bar	
Brass	Stainless Steel						
Q7PB1	Q7PS1	1	0 – 100	0 – 7	0 – 200	0 – 14	
Q7PB2	Q7PS2	2	0 – 100	0 – 7	0 – 200	0 – 14	
Q7PB3	Q7PS3	3	0 – 100	0 – 7	0 – 200	0 – 14	
Q7PB4	Q7PS4	4	0 – 100	0 – 7	0 – 200	0 – 14	

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