

# Low Delivery Pressure Regulators

## For Noncorrosive Service

### Model 720

With extremely accurate control of delivery pressures below 10 psig (0.7 bar), these regulators are recommended for inline use with noncorrosive, low-pressure gases. Options include CGA connections for direct cylinder connection and assembly for attachment to primary regulator outlet.

Do not use these regulators with hydrogen or helium. Although these gases are compatible with the materials of construction, Air Liquide experience has shown that the seals are not sufficient to prevent leakage of those particular gases. These regulators are also not recommended for oxygen service.



### Benefits/Features

- Economical and reliable zinc die cast construction.
- Large diaphragm for precise control of low delivery pressures.
- Protective screw cap prevents accidental change to pressure adjusting screw setting.
- Large easy-to-read gauge.

### Specifications

- Inlet Pressure: 250 psig (17 bar) maximum
- Operating Temperature Range: -40°F to 165°F (-40°C to 73°C)
- Inlet Connection: 1/4" NPT Female
- Outlet Connection: 1/4" NPT Male
- Gauge Size: 2.5" (67 mm) face
- Weight: 4 lbs. (1.8 kg)

### Materials of Construction

- Body: Zinc die cast
- Diaphragm: Buna-N
- Seat: Buna-N
- Seal: Buna-N, PTFE
- Gauge: Phosphor bronze
- Bonnet: Zinc die cast

Model 720	Delivery Pressure Range		Delivery Pressure Gauge	
	psig	bar	psig	bar
Zinc Die Cast				
Q1-720-(*)	4" – 8" WC**	—	0 – 35" WC	—
Q1-720B-(*)	0.5 – 1**	0 – 0.1	0 – 32 oz	0 – 0.1
Q1-721-(*)	1 – 5	0.1 – 0.3	0 – 15	0 – 1
Q1-722-(*)	5 – 10	0.3 – 0.7	0 – 15	0 – 1
Q1-723-(*)	10 – 15	0.7 – 1	0 – 30	0 – 2

\* Specify CGA. Other cylinder connections are available – please contact your Air Liquide representative.

\*\* These models require inlet pressures below 50 psig to be able to provide the full delivery pressure range. Use a Model 202 regulator to reduce higher inlet pressures down to approximately 50 psig (4 bar).