

# Ultra-High-Purity Regulators

## For Corrosive Service

### Model 220

These single-stage regulators are designed specifically for lecture bottles. The Model 220 features stainless steel construction for applications involving high-purity corrosive gases.



#### Benefits/Features

Filter traps foreign matter, extends regulator life and reduces maintenance.

Stainless steel diaphragm minimizes diffusion of air into regulator and eliminates off-gassing.

Convolute stainless steel diaphragm provides excellent delivery pressure accuracy.

#### Specifications

**Inlet Pressure:** 3000 psig (207 bar) maximum

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

**Flow Coefficient:**  $C_v = 0.06$

**Regulator Inlet Port:** 1/4" NPT Female

**Inlet Connection:** CGA 110 or 180

**Outlet Connection:** 1/4" NPT Female  
and all other configurations

**Gauge Size:** 2" (53 mm) face

**Weight:** 2.9 lbs. (1.3 kg)

#### Materials of Construction

**Body:** 316 Stainless Steel

**Diaphragm:** 316 Stainless Steel

**Seat:** PCTFE

**Seal:** PTFE

**Bonnet:** 300 Stainless Steel

**Gauge:** Stainless steel

Model 220	Delivery Pressure Range		Delivery Pressure Gauge (dual scale)		Cylinder Pressure Gauge (dual scale)	
	psig	bar	psig	bar	psig	bar
Stainless Steel						
Q1-220AS-(*)	1 – 30	0.1 – 2	30" Vac – 0 – 60	-1 – 0 – 4	0 – 4000	0 – 276
Q1-220BS-(*)	2 – 75	0.1 – 5	30" Vac – 0 – 100	-1 – 0 – 7	0 – 4000	0 – 276

\* Specify CGA 110 or 180.

Option: Model No. Q4-62S4MFL diaphragm valve