

# Low Internal Volume Regulators

## High-Purity for Noncorrosive/Corrosive Service

### Models 206 and 216

Designed for portable calibration and analyzer applications, these regulators are available in both stainless steel and brass. Low internal volumes allow for rapid purging – the Model 206 is a single-stage regulator with an internal volume of 3.03 cc, while the Model 216 is a two-stage regulator with an internal volume of only 8.6 cc. Use the Model 216 when constant delivery pressure is desired.



Model 206

### Benefits/Features

Compact and light weight for easy transportation.

Low internal dead volume minimizes purge time.

The diaphragm is convoluted to provide excellent accuracy.

### Specifications

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

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

**Flow Coefficient:** Cv = 0.06

**Supply Pressure Effect:**

Model 206: 2 psi per 100 psi (0.1 bar per 7 bar)

Model 216: 0.4 psi per 100 psi (0.1 bar per 7 bar)

**Inlet Connection:** Specify CGA

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

**Gauge Ports:** 1/8" NPT Female

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

**Gauge Size:** 1.5" (41 mm) face

**Weight:**

Model 206: 1.3 lbs. (0.6 kg)

Model 216: 2.6 lbs. (1.2 kg)

### Materials of Construction

**Body:** Brass or 316 Stainless Steel

**Diaphragm:**

Model 206: 316 Stainless Steel

Model 216: 1st stage: 316 Stainless Steel  
2nd stage: Elgiloy®

**Seats:** PCTFE

**Seals:** PTFE

**Bonnet:** Anodized black aluminum

**Gauges:** Brass or stainless steel

Model 206, 216		Delivery Pressure Range		Delivery Pressure Gauge		Cylinder Pressure Gauge	
		psig	bar	psig	bar	psig	bar
Brass	Stainless Steel						
<b>Single-Stage</b>							
Q1-206AB-(*)	Q1-206AS-(*)	1 – 30	0.1 – 2	0 – 60	0 – 4	0 – 3000	0 – 207
Q1-206BB-(*)	Q1-206BS-(*)	2 – 75	0.1 – 5	0 – 100	0 – 7	0 – 3000	0 – 207
Q1-206CB-(*)	Q1-206CS-(*)	4 – 150	0.3 – 10	0 – 200	0 – 14	0 – 3000	0 – 207
<b>Two-Stage</b>							
Q1-216AB-(*)	Q1-216AS-(*)	1 – 30	0.1 – 2	0 – 60	0 – 4	0 – 3000	0 – 207
Q1-216BB-(*)	Q1-216BS-(*)	2 – 75	0.1 – 5	0 – 100	0 – 7	0 – 3000	0 – 207
Q1-216CB-(*)	Q1-216CS-(*)	4 – 150	0.3 – 10	0 – 200	0 – 14	0 – 3000	0 – 207

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

Options: Model No. Q4-62B4MFL brass diaphragm valve

Model No. Q4-62S4MFL stainless steel diaphragm valve