

## 1400 Series High Pressure Regulator



The 1400 Series High Pressure cylinder regulator is designed for inlet pressures up to 5500 psi. The Capsule<sup>®</sup> seat design incorporates a positive seat stop that maintains seat integrity and extends regulator life.

### Applications

Pressure Testing: Precise calibration at high pressure

Bomb Calorimetric Testing: Withstands high pressure and temperature

Bubbling and Sparging Applications: Addition of air or nitrogen for processes

### Materials of construction:

Body: Brass barstock

Bonnet: Brass barstock

Seat: PTFE Teflon<sup>®</sup>

PCTFE with 4500 PSIG inlet option

Arlon<sup>®</sup> with 6000 PSIG inlet

Filter: 10 micron sintered bronze

Pressure Sensor: Brass barstock, Viton<sup>®</sup>

Internal seals: PTFE Teflon<sup>®</sup>

### Specifications:

Maximum inlet pressure: 6000 PSIG (420 BAR)

Temperature range: -40°F to 140°F (-40°C to 60°C)

Gauges: 2 ½" diameter brass

Ports: ¼" FPT

Outlet Fitting: ¼" stainless steel compression tube

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**Chromatographic Reference Materials**

### 1400 Series High Pressure Regulator (continued)

Series	Part #	Gas Service	Delivery Pressure/Gauge	Max Inlet Pressure/Gauge	Inlet
1400	806-1416	Oxygen	0-1500 PSIG (0-105 BAR)/4000 PSIG	3000 PSIG (210 BAR)/4000 PSIG	CGA 540
	806-1436	Oxygen	0-2500 PSIG (0-175 BAR)/4000 PSIG	3000 PSIG (210 BAR)/4000 PSIG	CGA 540
	806-1426	Oxygen	0-1500 PSIG (0-105 BAR)/4000 PSIG	4000 PSIG (285 BAR)/6000 PSIG	CGA 577
	806-1446	Oxygen	0-2500 PSIG (0-175 BAR)/4000 PSIG	4000 PSIG (285 BAR)/6000 PSIG	CGA 577
	806-1415	Inerts	0-1500 PSIG (0-105 BAR)/4000 PSIG	3000 PSIG (210 BAR)/4000 PSIG	CGA 580
	806-1435	Inerts	0-2500 PSIG (0-175 BAR)/4000 PSIG	3000 PSIG (210 BAR)/4000 PSIG	CGA 580
	806-1425	Inerts	0-1500 PSIG (0-105 BAR)/4000 PSIG	5500 PSIG (390 BAR)/4000 PSIG	CGA 680
	806-1445	Inerts	0-4500 PSIG (0-300 BAR)/6000 PSIG	5500 PSIG (390 BAR)/4000 PSIG	CGA 680
	806-1455	Inerts	0-2500 PSIG (0-175 BAR)/4000 PSIG	5500 PSIG (390 BAR)/4000 PSIG	CGA 680
	806-1461	Inerts	0-1500 PSIG (0-105 BAR)/4000 PSIG	6000 PSIG (430 BAR)/ 10000 PSIG	CGA 677
	806-1462	Inerts	0-2500 PSIG (0-175 BAR)/4000 PSIG	6000 PSIG (430 BAR)/ 10000 PSIG	CGA 677
	806-1465	Inerts	0-4500 PSIG (0-300 BAR)/6000 PSIG	6000 PSIG (430 BAR)/ 10000 PSIG	CGA 677
	806-1466	Inerts	0-6000 PSIG (0-420 BAR)/10000 PSIG	6000 PSIG (430 BAR)/ 10000 PSIG	CGA 677
	806-1418	Air	0-1500 PSIG (0-105 BAR)/4000 PSIG	3000 PSIG (210 BAR)/4000 PSIG	CGA 346
	806-1438	Air	0-2500 PSIG (0-175 BAR)/4000 PSIG	3000 PSIG (210 BAR)/4000 PSIG	CGA 346
	806-1419	Air	0-1500 PSIG (0-105 BAR)/4000 PSIG	3000 PSIG (210 BAR)/4000 PSIG	CGA 590
	806-1439	Air	0-2500 PSIG (0-175 BAR)/4000 PSIG	3000 PSIG (210 BAR)/4000 PSIG	CGA 590
	806-1428	Air	0-1500 PSIG (0-105 BAR)/4000 PSIG	5500 PSIG (390 BAR)/4000 PSIG	CGA 347
	806-1448	Air	0-4500 PSIG (0-300 BAR)/6000 PSIG	5500 PSIG (390 BAR)/4000 PSIG	CGA 347
	806-1458	Air	0-2500 PSIG (0-175 BAR)/4000 PSIG	5500 PSIG (390 BAR)/4000 PSIG	CGA 347
	806-1411	Hydrogen or Methane	0-1500 PSIG (0-105 BAR)/4000 PSIG	3000 PSIG (210 BAR)/4000 PSIG	CGA 350
	806-1431	Hydrogen or Methane	0-2500 PSIG (0-175 BAR)/4000 PSIG	3000 PSIG (210 BAR)/4000 PSIG	CGA 350
	806-1421	Hydrogen or Methane	0-1500 PSIG (0-105 BAR)/4000 PSIG	5500 PSIG (390 BAR)/4000 PSIG	CGA 695
	806-1441	Hydrogen or Methane	0-4500 PSIG (0-300 BAR)/6000 PSIG	5500 PSIG (390 BAR)/4000 PSIG	CGA 695
	806-1451	Hydrogen or Methane	0-2500 PSIG (0-175 BAR)/4000 PSIG	5500 PSIG (390 BAR)/4000 PSIG	CGA 695

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