

## 1400 Series High Pressure Regulator

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



### 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



**Contact a DCG**

**Technical Specialist for more  
information regarding this  
product.**

**Call Today!**

**281-648-1894, Option 1**

### Applications

- 1) Provide accurate pressure control pre-charge side on Constant Pressure Cylinders.
- 2) Pressure Testing: Precise Calibration at High Pressure.
- 3) Bomb Calorimetric Testing: Withstands High Pressure and Temperature.
- 4) Bubbling and Sparging Applications: Addition of air and nitrogen for processes.

### Materials of Construction:

Body: Brass barstock  
Bonnet: Brass barstock  
Seat: PTFE 3000 PSIG Inlet  
PCTFE with 4500 PSIG inlet option  
Arlon® with 6000 PSIG inlet  
Filter: 10 micron sintered bronze  
Pressure Sensor: Brass barstock,  
Viton® Internal seals: PTFE Teflon®

Capsule® is a registered trademark of Controls Corporation of America

Teflon® is a registered trademark of E.I. Du Pont de Nemours & Co.

Viton® is a registered trademark of E.I. Du Pont de Nemours & Co.

Arlon® is a registered trademark of Greene, Tweed & Co.

The above information was provided to DCG by the product manufacturer. DCG makes no additional warranties or representations

*DCG Spec-Brief™*

*Consult the following Spec's for related Applications:*

- SB-101 [Natural Gas Liquids](#)
- SB-102 [Constant Pressure Cylinders](#)
- SB-107 [Instructions for Attachment of CPC to a Gas Chromatograph](#)
- SB-121 [492 Series Ultra-High Pressure Regulator](#)
- SB-122 [493 Series Ultra-High Pressure Stainless Steel Cylinder Regulator](#)
- SB-132 [CGA Fittings](#)



**DCG Partnership 1, Ltd.**

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[www.dcgpartnership.com](http://www.dcgpartnership.com)

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
	806-142	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	