

5600 SERIES CYLINDER REGULATORS



The 5600 Series Medium-Heavy Duty welding, heating, and cutting regulator provides primary pressure control of industrial gas cylinders in applications requiring outlet pressures up to 250 PSIG. The rugged forged brass construction provides high durability while the encapsulated seat design provides accurate pressure control and extended component lifecycle. Combined with heavy-duty internals to enable high delivery pressure and a wide range of delivery options, the 5600 is an ideal choice for high-pressure welding, heating, and cutting applications.

Typical Applications

- Oxy-fuel Heating, Cutting, and Welding
- Plasma Welding
- Heat Treatment
- Thermal Spray
- Modified Atmosphere Packaging (MAP)
- Industrial Additive Manufacturing (Laser Printing)



Features

Heavy Brass Bonnet and Machined Brass Body ensures high durability in harsh environments

Medium-large Seat Displacement supports high flow capacity

Capsule® Seat Assembly provides high cycle life

Materials and Specifications

Body: Forged brass

Bonnet: Brass barstock

Seat: PTFE

Diaphragm: Chloroprene

Filter: 25-micron sintered bronze

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

Cv: 0.15

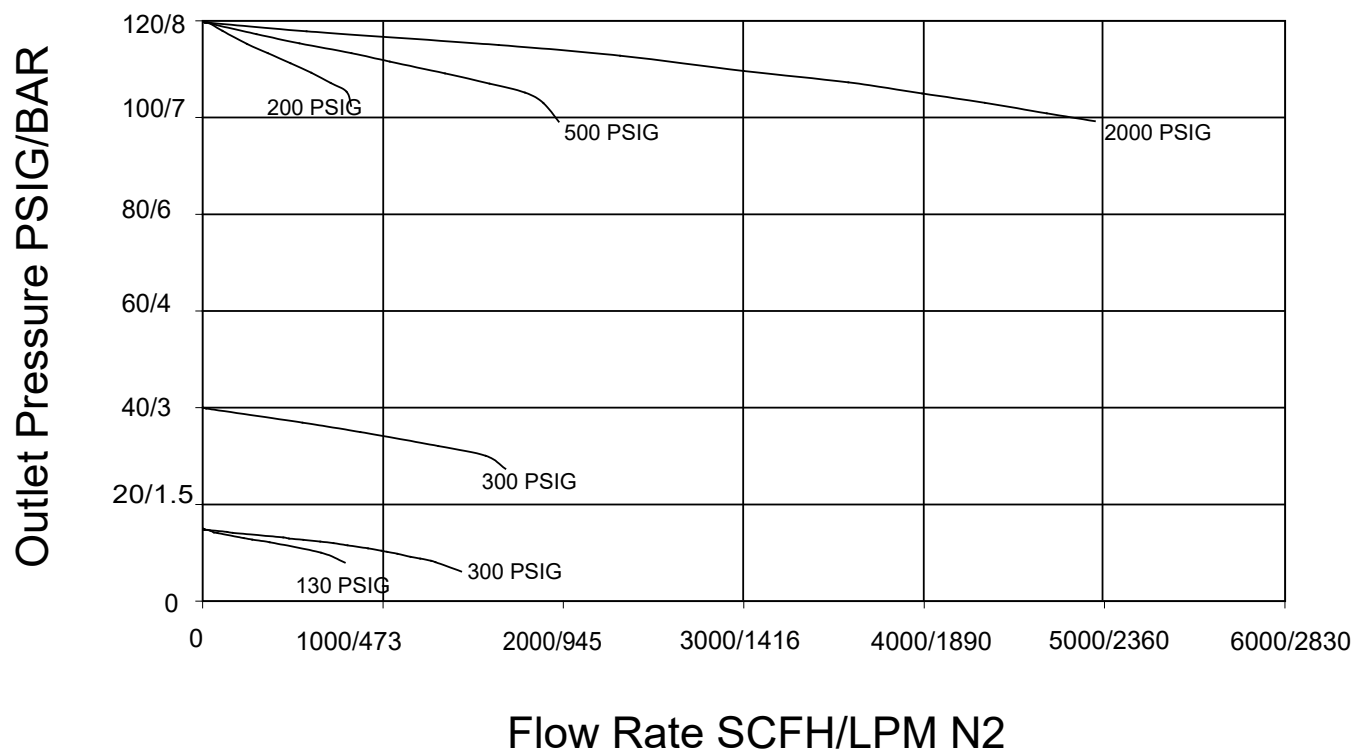
Gauges: 2" (50 mm) diameter brass

Conformances: Cleanliness meets or exceeds CGA G-4.1; CGA E-4; ANSI/ASME B40.1; CRN OH5216.5R2

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Flow Curves



Ordering Information

Part Number	Gas Service	Inlet Connection	Max Inlet Pressure	Outlet Connection	Outlet Pressure	Pressure Gauges
806 5601-01-1	Argon, Nitrogen, Helium (inert gas)	CGA 580	3000 PSIG (210 BAR)	5/8"-18 "B" RH Int.	0-120 PSIG (0-8 BAR)	200 & 4000 PSIG
806 5602-01-1	Acetylene	CGA 300	300 PSIG (20 BAR)	9/16"-18 "B" LH Ext.	0-15* PSIG (0-1 BAR)	30 & 400 PSIG
806 5603-01-1	Industrial Air	CGA 590	3000 PSIG (210 BAR)	1/4" MNPT	0-120 PSIG (0-8 BAR)	200 & 4000 PSIG
806 5606-01-1	Oxygen	CGA 540	3000 PSIG (210 BAR)	9/16"-18 "B" RH Ext.	0-120 PSIG (0-8 BAR)	200 & 4000 PSIG
806 5608-01-1	Breathing Air	CGA 346	3000 PSIG (210 BAR)	1/4" MNPT	0-120 PSIG (0-8 BAR)	200 & 4000 PSIG
806 5609-01-1	Acetylene	CGA 510	300 PSIG (20 BAR)	9/16"-18 "B" LH Ext.	0-15* PSIG (0-1 BAR)	30 & 400 PSIG
806 5611-01-1	Argon, Nitrogen, Helium (inert gas)	CGA 580	3000 PSIG (210 BAR)	1/4" MNPT	0-250 PSIG (0-17 BAR)	400 & 4000 PSIG
806 5613-01-1	Industrial Air	CGA 590	3000 PSIG (210 BAR)	1/4" MNPT	0-250 PSIG (0-17 BAR)	400 & 4000 PSIG
806 5616-01-1	Oxygen	CGA 540	3000 PSIG (210 BAR)	1/4" MNPT	0-250 PSIG (0-17 BAR)	400 & 4000 PSIG
806 5618-01-1	Breathing Air	CGA 346	3000 PSIG (210 BAR)	1/4" MNPT	0-250 PSIG (0-17 BAR)	400 & 4000 PSIG
806 5632-01-1	Fuel Gas	CGA 510	300 PSIG (20 BAR)	9/16"-18 "B" LH Ext.	0-40 PSIG (0-3 BAR)	60 & 400 PSIG
806 5681-01-1	Hydrogen, Methane	CGA 350	3000 PSIG (210 BAR)	9/16"-18 "B" LH Ext.	0-40 PSIG (0-3 BAR)	60 & 4000 PSIG

**Acetylene should not be used over 15 PSIG.*