

5500 SERIES CYLINDER REGULATORS



The 5500 Series Medium-Heavy Duty welding, heating, and cutting regulator provides primary pressure control of industrial gas cylinders in applications requiring inlet pressures up to 4500 PSIG and outlet pressures up to 125 PSIG. The rugged brass barstock construction provides high durability while the encapsulated seat design provides accurate pressure control and extended component lifecycle. Combined with a wide range of delivery options, the 5500 is an ideal choice for medium duty welding, heating, and cutting applications.

Typical Applications

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



806 5506 Shown



Features

2" Diaphragm with Integral Self-seating Relief Valve ensures tamper-proof safety

Chloroprene Diaphragm maintains steady pressure control

Medium-large Seat Displacement supports high flow capacity

CAPSULE® Seat Assembly provides maximum reliability and easy maintenance

Materials and Specifications

Body: Forged brass

Bonnet: Chrome plated, die-cast zinc

Gauges: 2 in (50 mm) diameter brass

Filter: 25-micron sintered bronze

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

Diaphragm: Chloroprene

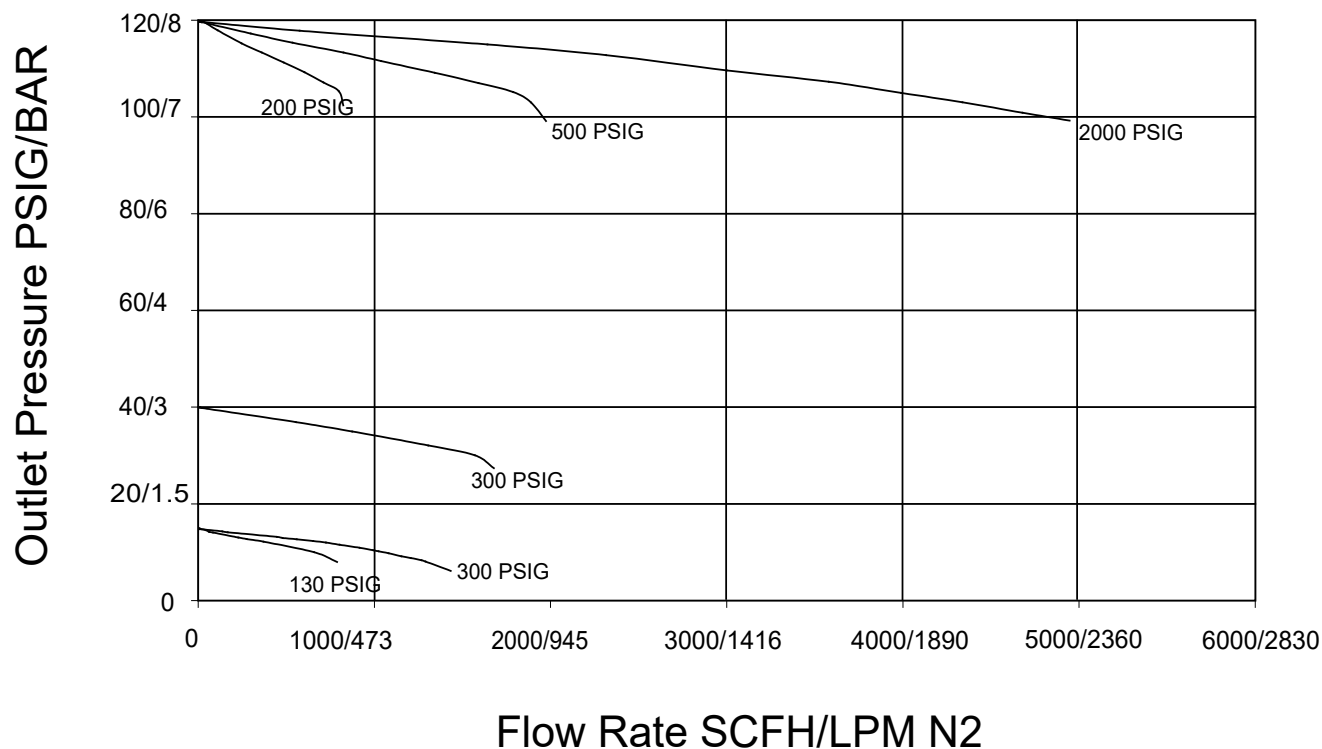
Cv: 0.15

Conformances: Cleanliness meets or exceeds CGA G-4.1; ANSI/ASME B40.1; CRN OF11809.24

5500 SERIES CYLINDER REGULATORS



Flow Curves



Ordering Information

Part Number	Gas Service	Seat	Inlet Connection	Max Inlet Pressure	Outlet Connection	Outlet Pressure	Pressure Gauges
806 5502-01-1	Acetylene	PTFE	CGA 300	300 PSIG (21 BAR)	9/16"-18 "B" LH Ext.	0-15* PSIG (0-1 BAR)	30 & 400 PSIG
806 5506-01-1	Oxygen	PTFE	CGA 540	3000 PSIG (210 BAR)	9/16"-18 "B" RH Ext.	0-125 PSIG (0-9 BAR)	200 & 4000 PSIG
806 5509-01-1	Acetylene	PTFE	CGA 510	300 PSIG (21 BAR)	9/16"-18 "B" LH Ext.	0-15* PSIG (0-1 BAR)	30 & 400 PSIG
806 5521-01-1	Argon, Nitrogen, Helium (inerts)	PTFE	CGA 580	3000 PSIG (210 BAR)	5/8"-18 "B" RH Int.	0-125 PSIG (0-9 BAR)	200 & 4000 PSIG
806 5522-01-1	Nitrogen	PTFE	CGA 555	3000 PSIG (210 BAR)	9/16"-18 "B" LH Ext.	0-125 PSIG (0-9 BAR)	200 & 4000 PSIG
806 5532-01-1	Fuel Gas	PTFE	CGA 510	300 PSIG (21 BAR)	9/16"-18 "B" LH Ext.	0-40* PSIG (0-2 BAR)	60 & 400 PSIG
806 5587-01-1	Carbon Dioxide	PTFE	CGA 320	3000 PSIG (210 BAR)	5/8"-18 "B" RH Int.	0-125 PSIG (0-9 BAR)	200 & 4000 PSIG
Special Purpose 5500 Series Regulator							
806 5546-01-1	Oxygen	PCTFE	CGA 577	3500 PSIG (240 BAR)	9/16"-18 "B" RH Ext.	0-125 PSIG (0-9 BAR)	200 & 6000 PSIG

** Acetylene should not be used over 15 PSIG*