

# CYLINDER REGULATORS



## 6500 SERIES

### Heavy Duty Welding, Heating and Cutting

The 6500 Series Medium-Heavy Duty welding, heating, and cutting regulator provides primary control of industrial gas cylinders in applications requiring outlet pressures up to 200 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 6500 is an ideal choice for high-pressure welding, heating, and cutting applications.



806 6506 Shown

Features	Materials of Construction	Specifications
<b>2.5" (63mm) Neoprene Diaphragm</b> Steady pressure control <b>Medium-Large Seat Displacement</b> High-flow capacity <b>Capsule® Seat Assembly</b> High cycle life	<b>Body</b> Brass barstock <b>Bonnet</b> Chrome-plated brass <b>Seat</b> PTFE, PCTFE <b>Diaphragm</b> Neoprene <b>25-Micron Inlet Filter</b> Bronze	<b>Max Inlet Pressure</b> PTFE 3000 PSIG PCTFE 5500 PSIG <b>Temperature Range</b> PTFE -40 to 140° F (-40 to 66° C) PCTFE -40 to 150° F (-40 to 66° C) <b>Cv</b> .2 <b>Gauges</b> 2-1/2" manufactured to ANSI/ASME B40.1 <b>Conformances</b> CGA E-4 CRN 0H5216.5R1

### Ordering Information

Part Number	Gas Service	Inlet	Outlet Pressure	Outlet Fittings	Pressure Gauges
806 6506-01-1	Oxygen	CGA 540	0-125 PSIG (0-9 BAR)	9/16" -18 "B" RH Ext.	200 & 4000 PSIG
806 6586-01-1	Oxygen	CGA 540	0-40 PSIG (0-2 BAR)	9/16" -18 "B" RH Ext.	60 & 4000 PSIG
806 6564-01-1	Oxygen	CGA 540	0-200 PSIG (0-14 BAR)	9/16" -18 "B" RH Ext.	400 & 4000 PSIG
806 6502-01-1	Acetylene (max inlet 400 PSIG)	CGA 300	0-15* PSIG (0-1 BAR)	9/16" -18 "B" LH Ext.	30 & 400 PSIG
806 6509-01-1	Acetylene (max inlet 400 PSIG)	CGA 510	0-15* PSIG (0-1 BAR)	9/16" -18 "B" LH Ext.	30 & 400 PSIG
806 6532-01-1	Fuel Gas (max inlet 400 PSIG)	CGA 510	0-40* PSIG (0-2 BAR)	9/16" -18 "B" LH Ext.	60 & 400 PSIG
806 6505-01-1	Argon, Nitrogen, Helium	CGA 580	0-125 PSIG (0-9 BAR)	5/8" -18 "B" RH Int.	200 & 4000 PSIG
806 6585-01-1	Argon, Nitrogen, Helium	CGA 580	0-40 PSIG (0-2 BAR)	5/8" -18 "B" RH Int.	60 & 4000 PSIG
806 6568-01-1	Argon, Nitrogen, Helium	CGA 580	0-200 PSIG (0-14 BAR)	5/8" -18 "B" RH Int.	400 & 4000 PSIG
806 6581-01-1	Hydrogen Methane	CGA 350	0-40 PSIG (0-2 BAR)	9/16" -18 "B" LH Ext.	60 & 4000 PSIG
806 6587-01-1	Carbon Dioxide	CGA 320	0-40 PSIG (0-2 BAR)	5/8" -18 "B" RH Int.	60 & 4000 PSIG
806 6503-01-1	Industrial Air	CGA 590	0-125 PSIG (0-9 BAR)	1/4" MNPT	200 & 4000 PSIG
806 6583-01-1	Industrial Air	CGA 590	0-40 PSIG (0-2 BAR)	1/4" MNPT	60 & 4000 PSIG
806 6508-01-1	Breathing Air	CGA 346	0-125 PSIG (0-8 BAR)	1/4" MNPT	200 & 4000 PSIG
806 6588-01-1	Breathing Air	CGA 346	0-40 PSIG (0-2 BAR)	1/4" MNPT	60 & 4000 PSIG
High-pressure Regulators					
806 6546-01-1	Oxygen (max inlet 4000 PSIG)	CGA 577	0-125 PSIG (0-9 BAR)	9/16" -18 "B" RH Ext.	200 & 6000 PSIG
806 6543-01-1	Compressed Air (max inlet 5500 PSIG)	CGA 347	0-125 PSIG (0-9 BAR)	5/8" -18 "B" RH Int.	200 & 6000 PSIG
806 6544-01-1	Inert (max inlet 5500 PSIG)	CGA 680	0-125 PSIG (0-9 BAR)	5/8" -18 "B" RH Int.	200 & 6000 PSIG

\* Acetylene should not be used over 15 PSIG

# 6500-6600 SERIES



6500 & 6600 Series Flow Regulation Curves

