

# CYLINDER REGULATORS



## 6700 SERIES

### High-flow Heavy Duty Heating and Cutting

The 6700 Series High-flow Heavy Duty Heating and Cutting regulator provides steady and reliable pressure control in industrial gas cylinder applications requiring high-flow rates. The balanced stem seat designed mitigates fluctuations in outlet pressure caused by variable inlet pressures while the large orifice seat and 1/2" ports provide high-flow capacity. Combined with robust materials of construction and a wide range of delivery pressures, the 6700 is an ideal choice for rugged heating and cutting applications being supplied by gas cylinders.



806 6706 Shown

Features	Materials of Construction	Specifications
<b>1/2" Seat and Ports</b> Ultra high-flow  <b>Balance Stem Seat</b> Steady pressure control with decaying inlet conditions  <b>Heavy Forged Brass Bonnet</b> High durability	<b>Body</b> Brass barstock  <b>Bonnet</b> Forged brass  <b>Seat</b> Viton, Neoprene  <b>Diaphragm</b> Neoprene  <b>40-Micron Inlet Filter</b> 316L stainless steel	<b>Max Inlet Pressure</b> 3000 PSIG  <b>Temperature Range</b> -40 to 140° F (-40 to 66° C)  <b>Cv</b> 2.0  <b>Gauges</b> 2-1/2" manufactured to ANSI/ASME B40.1  <b>Conformances</b> CGA E-4

CRN 0F11806.2

### Ordering Information

Part Number	Gas Service	Inlet	Outlet Pressure	Outlet Fittings	Pressure Gauges
806 6706-01-1	Oxygen	CGA 540	0-120 PSIG	"C" RH Ext.	200 & 4000 PSIG
806 6716-01-1	Oxygen	CGA 540	0-200 PSIG	"C" RH Ext.	400 & 4000 PSIG
806 6717-01-1	Oxygen	CGA 540	0-200 PSIG	"B" RH Ext.	400 & 4000 PSIG
806 6702-01-1	Acetylene (max inlet 400 PSIG)	CGA 300	0-15* PSIG	"C" LH Ext.	30 & 400 PSIG
806 6709-01-1	Acetylene (max inlet 400 PSIG)	CGA 510	0-15* PSIG	"C" LH Ext.	30 & 400 PSIG
806 6710-01-1	Acetylene (max inlet 400 PSIG)	CGA 410	0-15* PSIG	"B" LH Ext.	30 & 400 PSIG
806 6732-01-1	Fuel Gas (max inlet 400 PSIG)	CGA 510	0-40 PSIG	"C" LH Ext.	60 & 400 PSIG
806 6733-01-1	Fuel Gas (max inlet 400 PSIG)	CGA 510	0-40 PSIG	"B" LH Ext.	60 & 400 PSIG
806 6703-01-1	Argon, Nitrogen, Helium & Carbon Dioxide Mixtures	CGA 580	0-200 PSIG	"C" RH Int.	400 & 4000 PSIG
806 6705-01-1	Argon, Nitrogen, Helium & Carbon Dioxide Mixtures	CGA 580	0-120 PSIG	"C" RH Int.	200 & 4000 PSIG
806 6707-01-1	Hydrogen/Methane	CGA 350	0-120 PSIG	"C" LH Ext.	200 & 4000 PSIG
806 6708-01-1	Compressed Air	CGA 346	0-120 PSIG	"C" RH Ext.	200 & 4000 PSIG
806 6718-01-1	Compressed Air	CGA 346	0-200 PSIG	"C" RH Ext.	400 & 4000 PSIG
806 6787-01-1	Carbon Dioxide	CGA 320	0-120 PSIG	"C" RH Int.	200 & 4000 PSIG
806 6788-01-1	Carbon Dioxide	CGA 320	0-200 PSIG	"C" RH Int.	400 & 4000 PSIG

\* Acetylene should not be used over 15 PSIG