

# 6700 SERIES CYLINDER REGULATORS



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 Series industrial regulator is an ideal choice for rugged heating and cutting applications supplied by gas cylinders.

## Typical Applications

- Rugged Heating, Brazing, and Cutting
- High Flow Blanketing or Annealing
- Welding/Shielding Pipeline Supply Source
- Acetylene and Other Fuel Gas Applications



806 6706 Shown

## Features

**1/2" Seat and Ports** support ultra-high flow capacity

**Balance Stem Seat** provides steady pressure control with decaying inlet conditions

**Heavy Forged Brass Bonnet** ensures exceptional durability and long service life

**0-15 PSIG to 0-200 PSIG Pressure Range** permits a broad range of applications

## Materials and Specifications

**Max Inlet Pressure (without peripherals):** 3000 PSIG (210 BAR)

**Body:** Brass barstock

**Bonnet:** Forged brass

**Diaphragm:** Chloroprene

**Filter:** 40-micron 316L stainless steel

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

**Cv:** 2.0

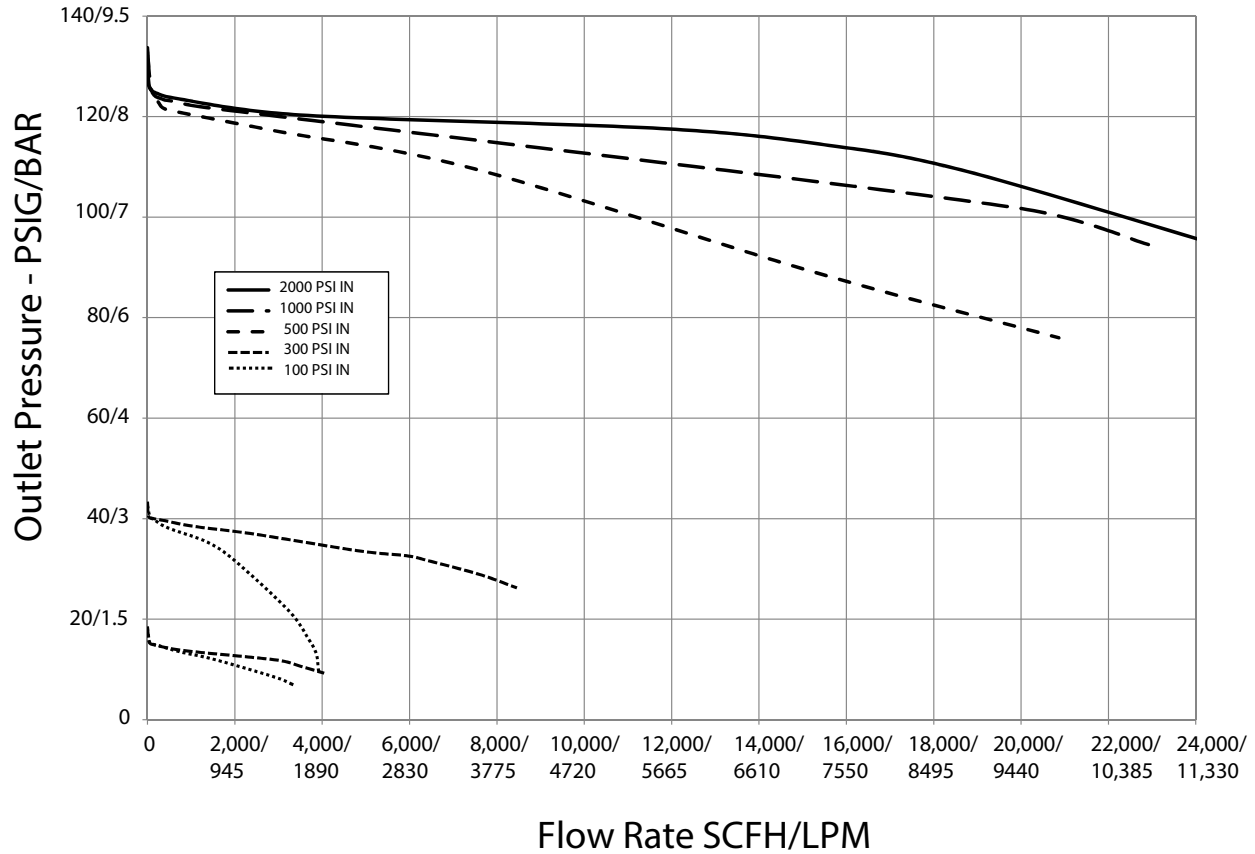
**Gauges:** 2 1/2" (62mm) diameter brass

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

# 6700 SERIES CYLINDER REGULATORS



## Flow Curves



## Ordering Information

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

\* Acetylene should not be used over 15 PSIG