

# CYLINDER REGULATORS



## 6800 SERIES

### High-flow Heavy Duty Heating and Cutting

The 6800 Series High-flow Heavy Duty heating and cutting regulator provides primary pressure control of industrial gas cylinders in applications requiring high-flow rates with delivery pressures up to 250 PSIG. The stainless steel diaphragm provides sensitive pressure control and reliable performance in cold climates while the large orifice seat and 1/2" process ports enable ultra-high-flow rates. Combined with robust materials of construction and a wide range of delivery pressures, the 6800 series is an ideal choice for heavy duty, high-flow heating and cutting applications.



806 6800 Shown

REGULATORS

Features	Materials of Construction	Specifications
<p><b>1/2" Seat and Outlet Port</b> Ultra high-flow</p> <p><b>Stainless Diaphragm Model</b> Cold climate performance</p> <p><b>2 1/2" PSIG/kPa Pressure Gauges</b> Excellent visibility</p>	<p><b>Body</b> Forged brass</p> <p><b>Bonnet</b> Chrome-plated die-cast zinc</p> <p><b>Seat</b> PTFE, PCTFE</p> <p><b>Diaphragm</b> Stainless steel</p> <p><b>25-Micron Inlet Filter</b> Bronze</p>	<p><b>Max Inlet Pressure</b> PTFE 3000 PSIG PCTFE 5500 PSIG</p> <p><b>Temperature Range</b> PTFE -40 to 140° F (-40 to 66° C) PCTFE -40 to 150° F (-40 to 66° C)</p> <p><b>Cv</b> .28</p> <p><b>Gauges</b> 2-1/2" manufactured to ANSI/ASME B40.1</p> <p><b>Conformances</b> CGA E-4</p>

### Ordering Information

Part Number	Gas Service	Inlet	Outlet Pressure	Outlet Fittings	Pressure Gauges
806 6800-01-1	Oxygen	CGA 540	0-250 PSIG (0-17 BAR)	7/8" -14 "C" RH Ext.	400 & 4000 PSIG
806 6866-01-1*	Oxygen	CGA 540	0-250 PSIG (0-17 BAR)	1/2" stainless tube	400 & 4000 PSIG
806 6806-01-1	Oxygen	CGA 540	0-125 PSIG (0-9 BAR)	7/8" -14 "C" RH Ext.	200 & 4000 PSIG
806 6802-01-1	Acetylene	CGA 300	0-15* PSIG (0-1 BAR)	7/8" -14 "C" LH Ext.	30 & 400 PSIG
806 6809-01-1	Acetylene	CGA 510	0-15* PSIG (0-1 BAR)	7/8" -14 "C" LH Ext.	30 & 400 PSIG
806 6832-01-1	Fuel Gas	CGA 510	0-40* PSIG (0-3 BAR)	7/8" -14 "C" LH Ext.	60 & 400 PSIG
806 6807-01-1	Hydrogen, Methane	CGA 350	0-250 PSIG (0-17 BAR)	7/8" -14 "C" LH Ext.	400 & 4000 PSIG
806 6813-01-1	Hydrogen, Methane	CGA 350	0-125 PSIG (0-9 BAR)	7/8" -14 "C" RH Ext.	200 & 4000 PSIG
806 6805-01-1	Argon, Nitrogen, Helium	CGA 580	0-250 PSIG (0-17 BAR)	7/8" -14 "C" RH Int.	400 & 4000 PSIG
806 6803-01-1	Argon, Nitrogen, Helium	CGA 580	0-125 PSIG (0-9 BAR)	7/8" -14 "C" RH Int.	200 & 4000 PSIG
806 6865-01-1*	Argon, Nitrogen, Helium	CGA 580	0-250 PSIG (0-17 BAR)	1/2" stainless tube	400 & 6000 PSIG
806 6808-01-1	Air	CGA 346	0-250 PSIG (0-17 BAR)	7/8" -14 "C" RH Ext.	400 & 4000 PSIG
806 6818-01-1	Air	CGA 346	0-125 PSIG (0-9 BAR)	7/8" -14 "C" RH Ext.	200 & 4000 PSIG
806 6868-01-1*	Argon, Nitrogen, Helium	CGA 680	0-250 PSIG (0-17 BAR)	1/2" stainless tube	400 & 6000 PSIG
806 6867-01-1	Air	CGA 347	0-250 PSIG (0-17 BAR)	1/2" FNPT	400 & 6000 PSIG

\* Stainless steel diaphragm

\* Acetylene should not be used over 15 PSIG

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