

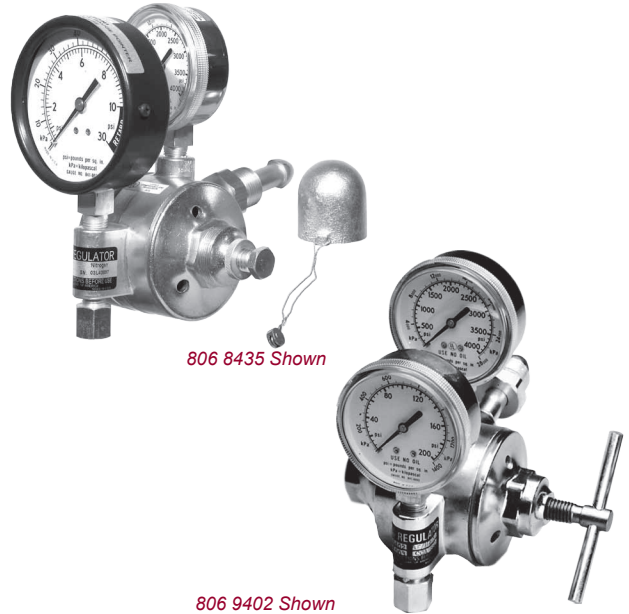
# CYLINDER REGULATORS



## 8400/9400 SERIES

Heavy Duty Rugged Welding, Heating and Cutting

The 8400/9400 Series Heavy Duty welding, heating, and cutting regulator provides primary pressure control of industrial gas cylinders in applications requiring inlet pressures up to 3000 PSIG and outlet pressures up to 100 PSIG. The direct seat design enables high precision operation while the rugged materials of construction enable high durability to extend the lifecycle of system components. Combined with a wide range of delivery pressures and gas compatibility, the 8400/9400 Series is an ideal choice for high precision, high durability welding, heating, and cutting applications.



806 8435 Shown

806 9402 Shown

Features	Materials of Construction	Specifications
<b>Direct First Stage Seat</b> Allows complete use of cylinder	<b>Body</b> Forged brass	<b>Max Inlet Pressure</b> 3000 PSIG
<b>Dead End Flow Passage</b> Eliminates seat ignition	<b>Bonnet</b> Forged brass	<b>Temperature Range</b> -40 to 140° F (-40 to 66° C)
<b>Heavy Forged Brass Bonnet</b> High durability	<b>Seat</b> PCTFE, Neoprene	<b>Cv</b> .2 (40 PSIG Max Outlet) .1 (250 PSIG Max Outlet)
	<b>Diaphragm</b> Brass, Neoprene	<b>Gauges</b> 2-1/2" manufactured to ANSI/ASME B40.1
	<b>25-Micron Inlet Filter</b> Glass wool with sintered Monel® screens	<b>Conformances</b> CGA E-4

### Ordering Information

Part Number	Gas Service	Inlet	Outlet Pressure	Outlet Fittings	Pressure Gauges
806 8401-01-1	Oxygen	CGA 540	0-40 PSIG (0-3 BAR)	9/16"-18 "B" RH Ext.	60 & 4000 PSIG
806 8456-01-1	Oxygen	CGA 540	0-100 PSIG (0-7 BAR)	9/16"-18 "B" RH Ext.	200 & 4000 PSIG
806 8402-01-1	Acetylene	CGA 300	0-15* PSIG (0-1 BAR)	9/16"-18 "B" LH Ext.	30 & 400 PSIG
806 8409-01-1	Acetylene	CGA 510	0-15* PSIG (0-1 BAR)	9/16"-18 "B" LH Ext.	30 & 400 PSIG
806 8462-01-1	Fuel Gas	CGA 510	0-40 PSIG (0-3 BAR)	9/16"-18 "B" LH Ext.	60 & 400 PSIG
806 8403-01-1	Hydrogen Methane	CGA 350	0-40 PSIG (0-3 BAR)	9/16"-18 "B" LH Ext.	60 & 4000 PSIG
806 9453-01-1	Hydrogen Methane	CGA 350	0-100 PSIG (0-7 BAR)	9/16"-18 "B" LH Ext.	200 & 4000 PSIG
806 9402-01-1	Argon, Nitrogen, Helium (Inert Gas)	CGA 580	0-100 PSIG (0-7 BAR)	5/8"-18 "B" RH Int.	200 & 4000 PSIG
806 9403-01-1	Argon, Nitrogen, Helium (Inert Gas)	CGA 580	0-40 PSIG (0-3 BAR)	5/8"-18 "B" RH Int.	60 & 4000 PSIG
806 8435-01-1*	Argon, Nitrogen, Helium (Inert Gas)	CGA 580	0-6 PSIG (0-1 BAR)	5/8"-18 "B" RH Int.	10 & 4000 PSIG
806 9451-01-1	Carbon Dioxide	CGA 320	0-15 PSIG (0-1 BAR)	5/8"-18 "B" RH Int.	30 & 4000 PSIG
806 9489-01-1	Industrial Air	CGA 590	0-40 PSIG (0-3 BAR)	1/4" MNPT	60 & 4000 PSIG
806 9490-01-1	Industrial Air	CGA 590	0-100 PSIG (0-7 BAR)	1/4" MNPT	200 & 4000 PSIG
806 9491-01-1	Breathing Air	CGA 346	0-40 PSIG (0-3 BAR)	1/4" MNPT	60 & 4000 PSIG
806 9492-01-1	Breathing Air	CGA 346	0-100 PSIG (0-7 BAR)	1/4" MNPT	200 & 4000 PSIG

\* Tamper proof model with 3 1/2" 0-10 PSIG Retard Gauge

\* Acetylene should not be used over 15 PSIG

# 8400 SERIES



8400 Series Flow Regulation Curves

