

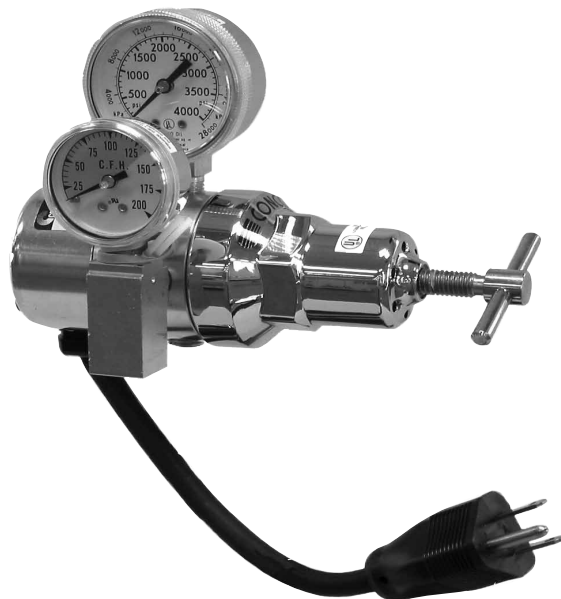
SPECIAL PURPOSE REGULATOR



8000 SERIES

Medium Duty MIG and TIG Welding and Blanketing

The 8000 Series Medium Duty welding and blanketing regulator provides primary control of condensable industrial gases like Carbon Dioxide and Nitrous Oxide requiring outlet pressures up to 135 PSIG. The thermostatically controlled heater provides steady and reliable heat to maintain vapor phase of the gas stream while the neoprene diaphragm provides accurate pressure control. Combined with rugged materials of construction and a wide range of flow and pressure regulation configurations, the 8000 series is an ideal choice for MIG and TIG welding and blanketing applications.



REGULATORS

Features	Materials of Construction	Specifications
Thermostatically Controlled 95-120°F Prevents regulator freeze up Pressure and Flow Gauge Models Process flexibility 2" (50mm) Diaphragm with Integral Self Seating Relief Valve Tamper proof safety	Body Brass barstock Bonnet Brass barstock Seat PTFE, PCTFE Diaphragm Neoprene 35-Micron Inlet Filter Bronze	Max Inlet Pressure PTFE 3000 PSIG PCTFE 5500 PSIG Temperature Range PTFE -40 to 140° F (-40 to 66° C) PCTFE -40 to 150° F (-40 to 66° C) Cv .15 Gauges 1-1/2", 2-1/2" manufactured to ANSI/ASME B40.1 Conformances CGA E-4

CRN 0H5216.5R1

Ordering Information					
Part Number	Gas Service	Inlet	Outlet Pressure/Flowrate	Outlet Fittings	Gauges
806 8005-01-1 (110V)	Carbon Dioxide	CGA 320	0-135 SCFH	5/8"-18 RH Int.	200 SCFH & 4000 PSIG
806 8008-01-1 (220V)	Carbon Dioxide	CGA 320	0-135 SCFH	5/8"-18 RH Int.	200 SCFH & 4000 PSIG
806 8010-01-1 (110V)	Argon, Nitrogen, Helium, AG-25	CGA 580	0-125 PSIG	5/8"-18 RH Int.	200 PSIG & 4000 PSIG
806 8020-01-1 (220V)	Argon, Nitrogen, Helium, AG-25	CGA 580	0-125 PSIG	5/8"-18 RH Int.	200 PSIG & 4000 PSIG
806 8039-01-1 (110V)	Nitrous Oxide	CGA 326	0-125 PSIG	1/4" FNPT	200 PSIG & 4000 PSIG
806 8040-01-1 (220V)	Nitrous Oxide	CGA 326	0-125 PSIG	1/4" FNPT	200 PSIG & 4000 PSIG
806 8075-01-1 (110V)	Argon/Carbon Dioxide	CGA 580	10-55 SCFH Argon 10-55 SCFH Carbon Dioxide	5/8"-18 RH Int.	55 SCFH & 4000 PSIG
High-pressure Regulators					
806 8061-01-1 (110V)	Argon, Nitrogen, Helium (Inert Gas)	680 (5500 PSIG Max)	0-125 PSIG	1/4" FNPT	200 PSIG & 6000 PSIG
806 8062-01-1 (220V)	Argon, Nitrogen, Helium (Inert Gas)	680 (5500 PSIG Max)	0-125 PSIG	1/4" FNPT	200 PSIG & 6000 PSIG
806 8077-01-1 (110V)	Argon, Nitrogen, Helium (Inert Gas)	580	0-135 SCFH	5/8"-18 RH Int.	200 SCFH & 6000 PSIG