

6700 SERIES MANIFOLD REGULATORS



The 6700 Series high-flow, heavy duty heating and cutting regulator provides steady and reliable pressure control in industrial gas manifold applications requiring high-flow rates. The balanced stem seat design 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 is an ideal choice for rugged heating and cutting manifold applications.



806 6725 Shown

Typical Applications

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

Features

Balanced Stem Seat Design provides constant delivery pressure regardless of inlet pressure fluctuations

Pressure Ranges 0-15 to 0-200 PSIG supports a broad range of applications

Large Flat Seat Design delivers maximum instantaneous high-flow capacity

Machined Brass Barstock Body resists corrosion and withstands high pressure applications

Materials and Specifications

Body: Brass barstock

Bonnet: Forged brass

Diaphragm: Chloroprene

40-micron Inlet Filter: 316L Stainless steel

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

Cv: 2.0

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

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

Ports: 1/2" FNPT (inlet and outlet); 1/2" FNPT (gauge and relief ports)

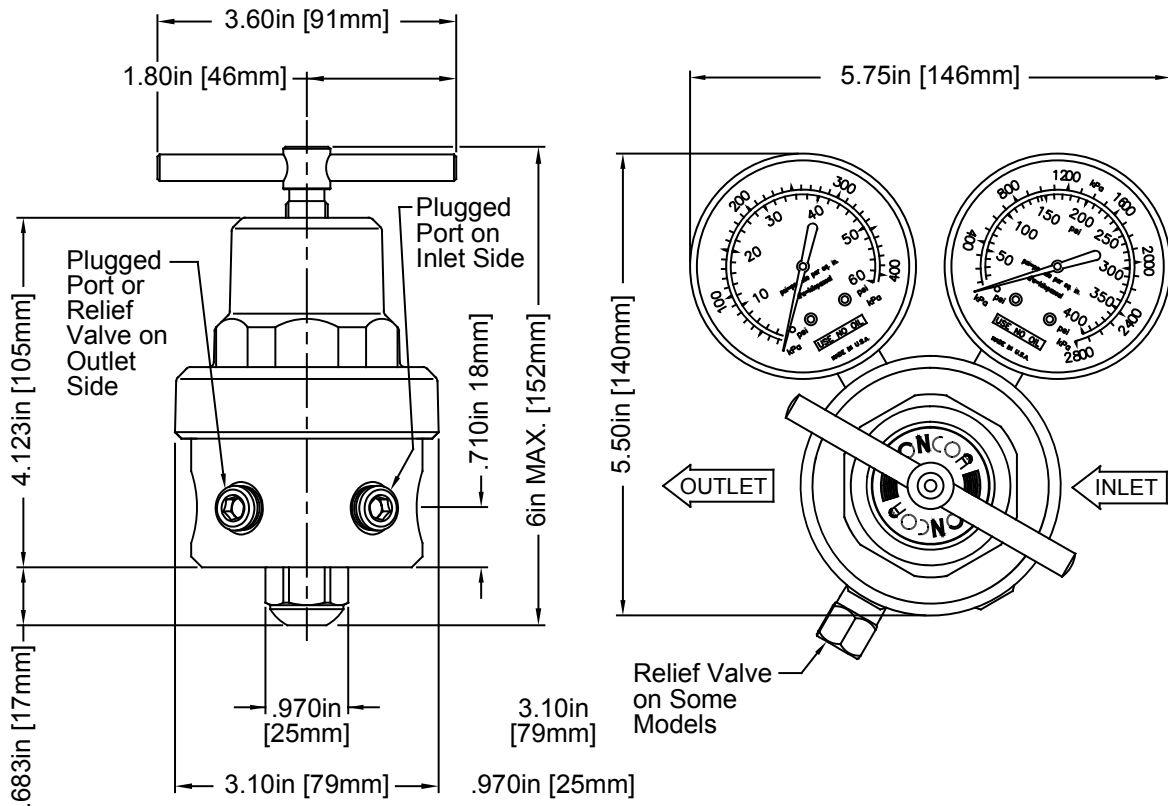
Weight: 5.9 lbs. (2.7 kgs)

Conformances: Cleanliness meets or exceeds CGA G-4.1; CGA E-4; ANSI/ASME B40.1; CRN OF118098.2

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Installation Dimensions



Ordering Information

Part Number	Gas Service	Seat	Outlet Pressure	Inlet Position	Inlet Gauge	Outlet Gauge
806 6700-01-1	Acetylene	Chloroprene	0-15 PSIG (0-100 kPa)	RH	0-400 PSIG (0-2800 kPa)	0-30 PSIG (0-200 kPa)
806 6715-01-1	Inerts/Carbon Dioxide	EPDM	0-15 PSIG (0-100 kPa)	RH	0-400 PSIG (0-2800 kPa)	0-30 PSIG (0-200 kPa)
806 6725-01-1	Inerts	FKM	0-120 PSIG (0-830 kPa)	RH	0-4000 PSIG (0-28000 kPa)	0-200 PSIG (0-1400 kPa)
806 6740-01-1	Fuel Gas	Chloroprene	0-40 PSIG (0-280 kPa)	RH	0-400 PSIG (0-2800 kPa)	0-60 PSIG (0-400 kPa)
806 6745-01-1	Inerts	FKM	0-200 PSIG (0-1400 kPa)	RH	0-4000 PSIG (0-28000 kPa)	0-400 PSIG (0-2800 kPa)
806 6753-01-1	Inerts/Carbon Dioxide	EPDM	0-125 PSIG (0-830 kPa)	RH	0-4000 PSIG (0-28000 kPa)	0-200 PSIG (0-1400 kPa)
806 6754-01-1	Inerts/Carbon Dioxide	EPDM	0-200 PSIG (0-1400 kPa)	RH	0-4000 PSIG (0-28000 kPa)	0-400 PSIG (0-2800 kPa)
806 6770-01-1	Acetylene	Chloroprene	0-15 PSIG (0-100 kPa)	LH	0-400 PSIG (0-2800 kPa)	0-30 PSIG (0-200 kPa)
806 6771-01-1	Inerts/Carbon Dioxide	EPDM	0-15 PSIG (0-100 kPa)	LH	0-400 PSIG (0-2800 kPa)	0-30 PSIG (0-200 kPa)
806 6772-01-1	Fuel Gas	Chloroprene	0-40 PSIG (0-280 kPa)	LH	0-400 PSIG (0-2800 kPa)	0-60 PSIG (0-400 kPa)
806 6773-01-1	Inerts	FKM	0-125 PSIG (0-830 kPa)	LH	0-4000 PSIG (0-28000 kPa)	0-200 PSIG (0-1400 kPa)
806 6774-01-1	Inerts	FKM	0-200 PSIG (0-1400 kPa)	LH	0-4000 PSIG (0-28000 kPa)	0-400 PSIG (0-2800 kPa)
806 6775-01-1	Inerts/Carbon Dioxide	EPDM	0-125 PSIG (0-830 kPa)	LH	0-4000 PSIG (0-28000 kPa)	0-200 PSIG (0-1400 kPa)
806 6776-01-1	Inerts/Carbon Dioxide	EPDM	0-200 PSIG (0-1400 kPa)	LH	0-4000 PSIG (0-28000 kPa)	0-400 PSIG (0-2800 kPa)

Related Options

Part Number	Description
830 6479	Front Panel Mount Kit
835 0205	Rear Panel Mount Kit

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Flow Curves

