

PIPELINE REGULATORS



6790 SERIES

High-flow Heavy Duty Rugged Heating and Cutting

The 6790 Series High-flow Heavy Duty Rugged Heating and Cutting regulator provides steady and reliable pressure control in industrial gas pipeline 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 6790 is an ideal choice for rugged heating and cutting applications.



806 6791 Shown

DISTRIBUTION SYSTEMS

Features	Materials of Construction	Specifications
<p>1/2" Seat and Ports Ultra high-flow</p> <p>Heavy Forged Brass Bonnet High durability</p>	<p>Body Brass barstock</p> <p>Bonnet Forged brass</p> <p>Seat Viton® or Neoprene</p> <p>Diaphragm Neoprene</p> <p>40-Micron Inlet Filter 316L stainless steel</p>	<p>Max Inlet Pressure 3000 PSIG 400 PSIG (with Acetylene)</p> <p>Temperature Range -40 to 140° F (-40 to 66° C)</p> <p>Cv 2.0</p> <p>Gauges 2-1/2" manufactured to ANSI/ASME B40.1</p> <p>Conformances CGA E-4</p>

CRN 0F11806.2

Ordering Information			
Part Number	Outlet Pressure	Outlet Gauge	Maximum Flow
806 6790-01-1 (400 PSIG Max Inlet)	0-15 PSIG	0-30 PSIG (Red-Line Gauge)	900 SCFH
806 6791-01-1	0-15 PSIG	0-30 PSIG	900 SCFH
806 6792-01-1 (400 PSIG Max Inlet)	0-40 PSIG	0-60 PSIG	1500 SCFH
806 6793-01-1	0-120 PSIG	0-200 PSIG	9000 SCFH
806 6794-01-1	0-200 PSIG	0-400 PSIG	9000 SCFH
806 6797-01-1 (For Nitrous Oxide and Carbon Dioxide)	0-120 PSIG	0-200 PSIG	4000 SCFH
806 6798-01-1 (For Nitrous Oxide and Carbon Dioxide)	0-200 PSIG	0-400 PSIG	4000 SCFH

Part Number	Description
830 6479	Panel Mount Kit (includes bonnet with panel-mount threads)
835 0205	Wall Mount Kit (includes wall bracket)