

SPECIAL PURPOSE REGULATOR



1400 SERIES Ultra High-pressure Delivery

The 1400 Series Ultra-High-pressure regulator provides primary control of high-pressure gas sources requiring outlet pressures up to 6000 PSIG with inlet pressures up to 6000 PSIG. The heavy duty internals enable high delivery pressures while the brass piston design provides steady and reliable pressure control. Combined with robust materials of construction and a wide range of compatible gases, the 1400 series is an ideal choice for industrial gas applications requiring ultra-high delivery pressures.



Features	Materials of Construction	Specifications
Positive Seat Stop Prevents seat deformation High Cycle Life Installation flexibility Viton Piston O-Ring Seals Accurate pressure control	Body Brass barstock Seat PTFE, PCTFE, PEEK Piston Brass 25-Micron Inlet Filter Bronze ¼" Outlet Tube Fitting 316L Stainless Steel	Temperature Range PTFE -40 to 140° F (-40 to 66° C) PCTFE -40 to 150° F (-40 to 66° C) PEEK -40 to 275° F (-40 to 135° C) Cv .15 Gauges 2-½" manufactured to ANSI/ASME B40.1 Conformances CGA E-4 CRN 0H5216.5R1

Ordering Information

Part Number (Seat)	Gas Service	Outlet Pressure/Gauge	Max Inlet Pressure/Gauge	Inlet
806 1413-01-1 PTFE	Oxygen	0-750 PSIG/1500 PSIG	3000 PSIG/4000 PSIG	CGA 540
806 1416-01-1 PTFE	Oxygen	0-1500 PSIG/4000 PSIG	3000 PSIG/4000 PSIG	CGA 540
806 1436-01-1 PTFE	Oxygen	0-2500 PSIG/4000 PSIG	3000 PSIG/4000 PSIG	CGA 540
806 1426-01-1 PCTFE	Oxygen	0-1500 PSIG/4000 PSIG	4000 PSIG/6000 PSIG	CGA 577
806 1446-01-1 PCTFE	Oxygen	0-2500 PSIG/4000 PSIG	4000 PSIG/6000 PSIG	CGA 577
806 1414-01-1 PTFE	Inert	0-750 PSIG/1500 PSIG	3000 PSIG/4000 PSIG	CGA 580
806 1415-01-1 PTFE	Inert	0-1500 PSIG/4000 PSIG	3000 PSIG/4000 PSIG	CGA 580
806 1435-01-1 PTFE	Inert	0-2500 PSIG/4000 PSIG	3000 PSIG/4000 PSIG	CGA 580
806 1424-01-1 PCTFE	Inert	0-750 PSIG/1500 PSIG	5500 PSIG/6000 PSIG	CGA 680
806 1425-01-1 PCTFE	Inert	0-1500 PSIG/4000 PSIG	5500 PSIG/6000 PSIG	CGA 680
806 1445-01-1 PCTFE	Inert	0-4500 PSIG/6000 PSIG	5500 PSIG/6000 PSIG	CGA 680
806 1455-01-1 PCTFE	Inert	0-2500 PSIG/4000 PSIG	5500 PSIG/6000 PSIG	CGA 680
806 1461-01-1 PEEK	Inert	0-1500 PSIG/4000 PSIG	6000 PSIG/10000 PSIG	CGA 677
806 1462-01-1 PEEK	Inert	0-2500 PSIG/4000 PSIG	6000 PSIG/10000 PSIG	CGA 677
806 1465-01-1 PEEK	Inert	0-4500 PSIG/6000 PSIG	6000 PSIG/10000 PSIG	CGA 677
806 1466-01-1 PEEK	Inert	0-6000 PSIG/10000 PSIG	6000 PSIG/10000 PSIG	CGA 677
806 1418-01-1 PTFE	Air	0-1500 PSIG/4000 PSIG	3000 PSIG/4000 PSIG	CGA 346
806 1438-01-1 PTFE	Air	0-2500 PSIG/4000 PSIG	3000 PSIG/4000 PSIG	CGA 346
806 1419-01-1 PTFE	Air	0-1500 PSIG/4000 PSIG	3000 PSIG/4000 PSIG	CGA 590
806 1439-01-1 PTFE	Air	0-2500 PSIG/4000 PSIG	3000 PSIG/4000 PSIG	CGA 590
806 1428-01-1 PCTFE	Air	0-1500 PSIG/4000 PSIG	5500 PSIG/6000 PSIG	CGA 347
806 1448-01-1 PCTFE	Air	0-4500 PSIG/6000 PSIG	5500 PSIG/6000 PSIG	CGA 347
806 1458-01-1 PCTFE	Air	0-2500 PSIG/4000 PSIG	5500 PSIG/6000 PSIG	CGA 347
806 1411-01-1 PTFE	Hydrogen or Methane	0-1500 PSIG/4000 PSIG	3000 PSIG/4000 PSIG	CGA 350
806 1431-01-1 PTFE	Hydrogen or Methane	0-2500 PSIG/4000 PSIG	3000 PSIG/4000 PSIG	CGA 350
806 1421-01-1 PCTFE	Hydrogen or Methane	0-1500 PSIG/4000 PSIG	5500 PSIG/6000 PSIG	CGA 695
806 1441-01-1 PCTFE	Hydrogen or Methane	0-4500 PSIG/6000 PSIG	5500 PSIG/6000 PSIG	CGA 695
806 1451-01-1 PCTFE	Hydrogen or Methane	0-2500 PSIG/4000 PSIG	5500 PSIG/6000 PSIG	CGA 695

Related Options

Part Number	Description
830 6483	Panel Mount Kit