

High Pressure - 820 Series Patented

Heavy Duty High Pressure Regulators

820 Series high pressure regulator series for use on cylinders with a wide variety of non-corrosive inert gases. Piston sensor design gives structural reliability in high pressure use. Low torque control adjusting screw permits easy adjustment of pressures in closed or dead end systems.

TYPICAL APPLICATIONS

- High pressure testing
- Purging and charging
- Calibration kits
- Airline charging carts
- Chemical plants
- Manufacturing processes
- Research and development
- Laboratories

Regulators May Be Configured To Your Specifications



820 Series

Due to order specific configurations, Smith Equipment can not accept returns of 800 Series regulators.

3 Year Limited Warranty

Product Number	Max. Inlet Press. (PSIG)	Delivery Pressure	Inlet Gauge		Delivery Gauge	
			Range (PSIG)	Graduations (PSIG)	Range (PSIG)	Graduations (PSIG)
823	6,000	0-500	0-10,000	200	0-1,000	100
824	6,000	0-1,000	0-10,000	200	0-4,000	100
825	6,000	0-2,000	0-10,000	200	0-4,000	100
826	6,000	0-4,000	0-10,000	200	0-6,000	100
827	6,000	0-6,000	0-10,000	200	0-6,000	100

Regulators Flowmeters

CONFIGURATOR EXAMPLE:

825 - 66 - 26

OPTION 1: MODEL SERIES AND OUTLET PRESSURE

823	0-500 PSIG
824	0-1000 PSIG
825	0-2000 PSIG
826	0-4000 PSIG
827	0-6000 PSIG

OPTION 2: OUTLET FITTINGS

00	None
66	1/4" (6mm) MPT Stainless Steel needle valve

OPTION 3: CGA INLET FITTINGS

	Max. CGA Pressure - PSIG
00	None
09	CGA 580 (Brass)
26	CGA SS 347
27	CGA SS 677
28	CGA SS 680

NOTE: SS - Stainless Steel

NOTE: Self relieves through bonnet

Special Purpose - 3-Stage Nitrogen - Low Pressure

TO SUPPLY CONSTANT PRESSURE NITROGEN TO OIL-FILLED SUB-STATION POWER TRANSFORMERS

This special purpose regulator is designed to supply constant pressure nitrogen to oil filled sub-station power transformers. This regulator will maintain oil-filled transformer atmospheres at approximately .5 PSIG. This design is constructed with a two stage preset regulator connected to a highly sensitive single stage regulator that maintains a .5 PSIG outlet pressure. A built in self relieving valve set at 8 PSIG protects the system from over-pressurization due to temperature variations. This unit is also designed with a purge valve that has a preset pressure of 8 PSIG which is connected to the second stage allowing quick gas filling of transformers. This highly reliable design provides constant outlet pressure and flow. Adjusting screws are concealed to prevent tampering.



237-142958C



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For version with electronic gauge, contact customer service for availability and quantity requirements.
(15 amp, 125 or 250V AC)

Pre-set Outlet Pressures:
 Stage 1 @ 150 PSIG into 2nd Stage
 Stage 2 @ 8 PSIG into 3rd Stage
 Stage 3 @ .4 to .6 PSIG outlet pressure
 Purge Pressure: @ 8 PSIG
 Maximum Input Pressure 3000 PSIG
 Delivery (Outlet) Pressure Range .4 to .6 PSIG
 Outlet Fitting 3/8" FNPT
 Purge Valve Outlet 1/4" MNPT
 580 CGA inlet cylinder connection
 Operating temperature range is -40°F to +160°F

