

## Regulators



### HVAC/refrigeration purge/leak test regulator

Our single-stage nitrogen regulator is specially designed to meet the specifications of HVAC refrigerant purging applications. This regulator is used with nitrogen to test HVAC systems to locate leaks and to purge an area for installation and repair. It is economical, accurate and its compact size is useful where space is limited. Covered by a one-year warranty.

- 2-inch (51 mm) gauges with shatter-resistant lenses and solid brass body for durability
- Large durable nylon knob for easy pressure adjustment

Stock Number	Gas	Max. Delivery Pressure	Max. Inlet Pressure	Outlet Connection	Inlet Connection
30-450-580	Nitrogen	450 psig (31 bar)	3,000 psig (207 bar)	7/16"-20 external flair fitting	CGA 580



### Heavy-duty high-pressure regulator

820 Series regulators are for use on cylinders with a wide variety of non-corrosive inert gases. Typical applications include high-pressure testing, purging/charging, calibration kits, airline charging carts, chemical plants, manufacturing processes, research/development and laboratories. Covered by a two-year warranty.

- Piston-sensor design gives structural reliability in high-pressure use
- Low-torque-control adjusting screw for easy pressure adjustments in closed/dead end systems
- Due to specific configurations, we cannot accept returns of 820 Series regulators

Model Series	Max. Delivery Pressure	Max. Inlet Pressure	Option 1 - Outlet pressure	Model Configuration	Option 3 Inlet connection (additional inlet connections available)/Max. inlet pressure
823	500 psig	6,000 psig	823 0-500 psig	825 - 66 26	00 1/4" FNPT
824	1,000 psig		824 0-1,000 psig	Option 2 Outlet connection	08 CGA 540 (oxygen) 3,000 psig
825	2,000 psig		825 0-2,000 psig		00 1/4" FNPT
826	4,000 psig		826 0-4,000 psig	66 Stainless steel needle valve with 1/4" NPT	26 CGA 347 stainless steel 5,500 psig
827	6,000 psig		827 0-6,000 psig		27 CGA 677 stainless steel 7,500 psig
					28 CGA 680 stainless steel 5,500 psig



### Rear-entry liquid cylinder regulator

250 Series regulators are ideal for non-corrosive high-purity applications and have a rear-entry connection that provides clearance of the liquid cylinder ring for easier gauge reading. Covered by a two-year warranty.

- Easy-to-read single-scale 2.5-inch (64 mm) gauge with shatter-resistant lens
- Nickel-plated brass body for corrosion resistance
- Large 1-7/8-inch stainless steel diaphragm for precise control of pressure
- Large durable nylon knob for easy pressure adjustment
- Due to specific configurations, we cannot accept returns of 250 Series regulators

Note: Use Series 40™ heavy-duty regulators constructed with a stainless steel diaphragm for high-volume or liquid (cryogenic) cylinder applications.

Model Series	Max. Delivery Pressure	Max. Inlet Pressure	Option 1 - Outlet pressure	Model Configuration	Option 3 Inlet connection
252	100 psig	3,500 psig	252 0-100 psig	252 - 20 08	00 1/4" FNPT
254	200 psig		254 0-200 psig	Option 2 Outlet connection	02 CGA 320
255	350 psig		255 0-350 psig		00 1/4" FNPT
256	500 psig		256 0-500 psig	20 Chrome needle valve with 1/4" NPT	09 CGA 580
				82 9/16"-18 RH "B"	



### Three-stage nitrogen low-pressure regulator

These preset regulators are specially designed to deliver a highly accurate and consistent 0.50 psig supply of nitrogen to the head space of oil-filled power transformers. Available with or without electronic pressure switch. Covered by a one-year warranty.

- Built-in self-relieving valve set at 8 psig protects the system from over-pressurization due to temperature variation
- Rapid-fill bypass pressure valve allows rapid filling of the transformer with 6 psig of pressure

Note: Operation temperature: -40° to +180° Fahrenheit. Operation voltage (model 16347-3): 5 amps at 12/24 volts DC or 125 volts AC. 3 amps at 250 volts. Pressure switch setting: Adjustable from 70-300 psig (ships preset at 250 psig), 3/32-inch Allen head screw switch. Switch wiring: Normally open or normally closed (DPDT), three 18-inch flying leads.

Stock Number	Preset Outlet Pressure			Bypass Rapid Fill/Purge	Max. Inlet Pressure	Outlet Connection	Inlet Connection
	1st Stage	2nd Stage	3rd Stage (delivery pressure)				
16391 without pressure switch	150 psig	8 psig	0.4-0.6 psig (0.03-0.04 bar)	6 psig (0.4 bar)	3,000 psig (207 bar)	1/2" FNPT	CGA 580
16347-3 with pressure switch	(10 bar) into 2nd stage	(0.6 bar) into 3rd stage					

### Most popular accessories



#### Hard Hat™ Regulator Guards

HB190 For Series 40  
H195 For Series 30



#### Reverse-Flow Check Valve Set (oxy and fuel)

H697 Torch mount  
H698 Regulator mount



#### Flashback Arrestor Set (oxy and fuel)

H743 Torch mount  
H753 Regulator mount



#### GASAVER™

- WDW100 Propylene/oxygen
- WDW101 Acetylene/oxygen
- WDW104 Propane or natural gas/oxygen (4 psi and above)
- For repetitious brazing and soldering
- Hang torch to shut off
- Pilot light for relighting
- Eliminates flame readjustment



#### Fixed-Flow Adaptors and Surge Protectors

H1400 Series fixed-flow adaptors are for welding operations requiring fixed-flow gases. 15001 Series surge protectors are for MIG welding applications to eliminate sudden surges of shielding gas in the wire feeder. Visit MillerWelds.com for more information.

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