

## Regulators



Series 40

Series 30

### Heavy-duty and medium-duty single-stage pressure regulators

Our Series 40™ and Series 30™ industrial-grade pressure regulators provide accurate pressure readings for welding, cutting, heating and other applications. Extremely durable construction and simplified design provide consistent gas flow and longer trouble-free operation. Covered by a three-year warranty. See page 94 for optional Hard Hat™ regulator guards designed to help prevent broken gauges.

**Also available**  
Series 30 single-stage regulator twin packs



Stock Number	Gas	Regulator	Max. Delivery Pressure or Flow	Inlet Connection
HTP2	Oxygen	30-100-540	100 psig (7 bar)	CGA 540
	LP  Acetylene	30-15-510	15 psig (1 bar)	CGA 510
HTP5	Oxygen	30-100-540	100 psig (7 bar)	CGA 540
	Acetylene	30-15-300	15 psig (1 bar)	CGA 300



### Heavy-duty single-stage station regulators

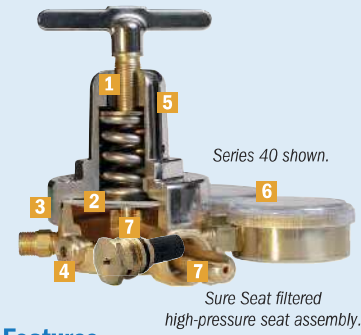
Our Series 46™ brass line regulators are rugged, accurate and corrosion-resistant. Station regulators are used to connect pipeline gas delivery systems to the welding stations. Because the pipeline pressure is regulated upstream, station regulators only require a single delivery pressure gauge. Covered by a three-year warranty.

\*In the chart below, oxygen "C" size inlet connection CGA 024 (7/8"-14 RH) fits station valve Rego. No. 7160. Fuel gases "C" size inlet connection CGA 025 (7/8"-14 LH) fits station valve Rego. No. 7161.  
Note: Body inlet is 1/4-inch (6 mm) NPT.



### Two-stage regulators

Series 30 two-stage regulators drop cylinder pressure to working pressure in two stages for consistent and accurate outlet pressure and flow regardless of inlet pressure. Recommended where outlet pressure and flow must be maintained without variation. Covered by a three-year warranty.



Series 40 shown.

Sure Seat filtered high-pressure seat assembly.

### Features

- 1 Resin bonnet insert (Series 40/46 only)**  
Allows smooth, easy adjustment even at high-pressure levels.
- 2 Stainless steel diaphragm**  
Resists corrosion, leaking and freeze-up if used with liquid (cryogenic) gases for extended service life.  
*Note: Series 30 has neoprene composite diaphragm.*
- 3 Color-coded labels**  
Supplies performance capabilities, easy gas service identification and technical information.
- 4 External relief valve**  
Protects regulator from damage due to inadvertent high-pressure surge. Relief valve will release excessive pressure and automatically reset.
- 5 Nickel-plated bonnet**  
Along with brass body protects regulator against corrosion.
- 6 Gauges and lenses**  
2.5-inch corrosion-resistant polished brass gauges with shatter-resistant polycarbonate lenses.  
*Note: Series 30 has 2-inch painted steel gauges.*
- 7 Sure Seat™ dual-filtered seat assembly**  
Protects high-pressure seat from debris for reliable operation and long service life.

Model	Stock Number	Gas	Max. Delivery Pressure	Max. Inlet Pressure	Outlet Connection	Inlet Connection
Heavy-Duty Series 40 Single-Stage Pressure Regulators	40-175-540 Single-stage	Oxygen	175 psig (12 bar)	3,000 psig (207 bar)	9/16"-18 RH	CGA 540
	40-275-540 Single-stage	Oxygen	275 psig (19 bar)	3,000 psig (207 bar)	9/16"-18 RH	CGA 540
	40-15-510 Single-stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH	CGA 510
	40-15-300 Single-stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH	CGA 300
	40-50-510 Single-stage	LP gas	50 psig (3 bar)	400 psig (28 bar)	9/16"-18 LH	CGA 510
	40-275-580 Single-stage	Inert gas	275 psig (19 bar)	3,000 psig (207 bar)	5/8"-18 RH internal	CGA 580
Medium-Duty Series 30 Single-Stage Pressure Regulators	30-100-540 Single-stage	Oxygen	100 psig (7 bar)	3,000 psig (207 bar)	9/16"-18 RH	CGA 540
	30-20-540 Single-stage	Oxygen	20 psig (1.4 bar)	3,000 psig (207 bar)	9/16"-18 RH	CGA 540
	30-15-510 Single-stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH	CGA 510
	30-15-300 Single-stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH	CGA 300
	30-15-520 Single-stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH	CGA 520
	30-15-200 Single-stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH	CGA 200
	30-50-510 Single-stage	LP gas	50 psig (3 bar)	400 psig (28 bar)	9/16"-18 LH	CGA 510
	30-150-580 Single-stage	Argon/nitrogen	150 psig (10 bar)	3,000 psig (207 bar)	5/8"-18 RH internal	CGA 580
	30-150-320 Single-stage	CO <sub>2</sub>	150 psig (10 bar)	3,000 psig (207 bar)	5/8"-18 RH internal	CGA 320
	30-100-350 Single-stage	Hydrogen/methane	100 psig (7 bar)	3,000 psig (207 bar)	9/16"-18 LH	CGA 350
	Heavy-Duty Series 46 Station Regulators	46-175 Single-stage	Oxygen	175 psig (12 bar)	200 psig (14 bar)	9/16"-18 RH "B"
46-15 Single-stage		Acetylene	15 psig (1 bar)	200 psig (14 bar)	9/16"-18 LH "B"	CGA 025*
46-50 Single-stage		LP gas	50 psig (3 bar)	200 psig (14 bar)	9/16"-18 LH "B"	CGA 025*
Series 30 Two-Stage Regulators	35-125-540 Two-stage	Oxygen	125 psig (9 bar)	3,000 psig (207 bar)	9/16"-18 RH "B"	CGA 540
	35-15-510 Two-stage	Acetylene	15 psig (1 bar)	400 psig (28 bar)	9/16"-18 LH "B"	CGA 510
	35-50-580 Two-stage	Inert gas	50 psig (3 bar)	3,000 psig (207 bar)	5/8"-18 RH internal	CGA 580