



Model 18 Series Single-Stage General Purpose Brass Regulator

General purpose regulators with rugged construction for use with non-corrosive gases.

Applications:

- Use with gases that are 99.995% or lower purity
- Regulation of air supply to valves and actuators
- Inert gas supply for purging applications
- Calibration of pressure gauges, rotameters, and mass flowmeters
- Applications with high duty cycle/demanding operating conditions

Design Features/Components:

- Forged brass body
- Neoprene diaphragm
- 2" inlet and delivery pressure gauges
- Equipped with outlet needle valve
- 1/4" NPTM outlet connection with loose hose barb
- Porous metal filter to protect seat from contamination
- Model 18R uses Tee handle for pressure adjustment; all others use black knob shown

Materials of Construction:

Gauges: Brass, Painted steel covers
 Body: Forged brass
 Bonnet: Chrome plated brass
 Diaphragm: Neoprene
 Seat: PTFE Teflon
 Seals: Neoprene

Specifications:

Maximum Inlet Pressure: 3000 psig (20,700 kPa)
 Model 18A: 400 psig (2,760 kPa)
 Maximum Flow Rate: Model 18B: 900 CFH (425 LPM)
 (At 2000 psig, N₂) Model 18: 2000 CFH (944 LPM)
 Model 18L: 4000 CFH (1890 LPM)
 Model 18H: 5000 CFH (2360 LPM)
 Model 18R: 5000 CFH (2360 LPM)
 (At 400 psig, N₂) Model 18A: 500 SCFH (236 LPM)
 Flow Capacity (Cv): 0.17 without outlet valve
 Operating Temperature: -20°F to 140°F (-29°C to 60°C)
 Porting (Regulator Body): 1/4" NPT Female
 Porting Configuration: 2 High, 2 Low
 Shipping Weight: 4 lbs

Ordering Information

Part Number*	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
SEQ18A510**	0-15 psig	0-30 psig	0-400 psig
SEQ18BCGA	0-15 psig	0-30 psig	0-4000 psig
SEQ18CGA	2-50 psig	0-60 psig	0-4000 psig
SEQ18LCGA	4-100 psig	0-150 psig	0-4000 psig
SEQ18HCGA	10-200 psig	0-400 psig	0-4000 psig
SEQ18RCGA***	20-500 psig	0-1000 psig	0-4000 psig

*Note: For ordering, replace letters "CGA" with the valve outlet CGA number for the gas cylinder you are using.

Some CGA limitations may apply.

**For Acetylene Service Only

***Uses Tee handle. All other models use black knob as shown.

Options

Part Number	Description
SEQCON0208BO	1/4" Compression Tube Outlet Connection (Brass)
SEQ6103AF	Flash Arrestor for Flammable Gases

