

## AG3560 Series

### Clinical Blood Gas Mixture, Two-Stage Regulators

This two-stage regulator provides the precise control needed for calibration of blood gas analyzers.

#### Standard Features

- Two-Stage Regulator Design ensures constant delivery pressure over varying inlet pressures.
- Available Yoke Connection (CGA 973) allows regulator to be used on small cylinders with post type valves.
- Metering Valve allows for precise, low flow gas control to blood gas analyzer.
- Chrome-Plated Surfaces provide polished appearance and ease of cleaning.
- Filter in Each Seat Assembly traps foreign matter, extends regulator life and reduces maintenance.

#### Specifications

Maximum Inlet Pressure: 3000 psig  
 Inlet Pressure Gauge: 0–4000 psig  
 Delivery Pressure Range: 2–15 psig  
 Delivery Pressure Gauge: 0–30 psig  
 Gauge Size: 2" Dial

Operating Temperature Range:  
 -40°F to 140°F

Inlet Connection:  
 CGA 973 or 500 as ordered

Outlet Connection:  
 1/8" Hosebarb (on outlet valve)

Approximate Weight: 5 lbs

#### Materials of Construction

Body, Gauges and Outlet Valve:  
 Chrome-Plated Brass

Bonnet: Chrome-Plated Die Cast Zinc

Other Metal Parts Exposed to Gas:  
 Brass and Stainless Steel

Seats and Seals: Teflon®

Diaphragms: Type 316L Stainless Steel



AG3562 Series Regulator

Table I

Part No.	Inlet Connection
AG3561	CGA 500
AG3562	CGA 973

#### Optional Equipment

Equipment	Part No.
Nylon Washers for CGA 973 (package of 25)	SG6083

## AG3660 Series

### Medical Gas, Two-Stage Regulators

AG3660 Series regulators are designed specifically for use with medical gases and medical gas mixtures.

#### Standard Features

- Two-Stage Regulator Design ensures constant delivery pressure over varying inlet pressures.
- Chrome-Plated Surfaces provide polished appearance and ease of cleaning.
- Filter in Each Seat Assembly traps foreign matter, extends regulator life and reduces maintenance.
- Available Yoke Connections allow regulator to be used on small cylinders with post type valves.

#### Specifications

Maximum Inlet Pressure: See Tables I and II

Inlet Pressure Gauge: See Tables I and II

Delivery Pressure Range: 4–50 psig

Delivery Pressure Gauge: 0–100 psig

Gauge Size: 2" Dial

Flow Capacity (typical): 100 Lpm at  
 45 psig delivery pressure with 250 psig  
 inlet pressure

Inlet and Outlet Connections:  
 See Tables I and II

Approximate Weight: 5 lbs



AG3660 Regulator

#### Materials of Construction

Body and Gauges: Chrome-Plated Brass

Bonnet: Chrome-Plated Die Cast Zinc

Other Metal Parts Exposed to Gas:  
 Brass and Stainless Steel

Seats and Seals: Teflon®

Diaphragms: Type 316L Stainless Steel

Table I, Pure Gases

Service	Part No.	Inlet Connection (CGA)	Outlet Connection (DISS)*	Inlet Pressure (psig)	
				Max.	Gauge
Air	AG3660-(CGA)	346 or 950	1160	3000	0–4000
Carbon Dioxide	AG3665-(CGA)	320 or 940	1080	1000	0–1000
Helium	AG3660-(CGA)	580 or 930	1060	3000	0–4000
Nitrogen	AG3662-(CGA)	580 or 960	1120	3000	0–4000
Nitrous Oxide	AG3665-(CGA)	326 or 910	1040	1000	0–1000
Oxygen	AG3660-(CGA)	540 or 870	1240	3000	0–4000

Where “(CGA)” is indicated above, insert proper Compressed Gas Association connection number to complete the part number. Example: AG3660-870 is a regulator with a CGA 870 pin indexed connection (yoke) for Oxygen service. Order by complete part number.

\* Diameter Index Safety System (DISS) per Compressed Gas Association Pamphlet V-5.

Table II, Mixtures

Service	Part No.	Inlet Connection (CGA)	Outlet Connection (DISS)*	Inlet Pressure (psig)	
				Max.	Gauge
Carbon Dioxide/Air	AG3661-(CGA)	500 or 973	¼" NPT female**	3000	0–4000
Carbon Dioxide/Oxygen (CO <sub>2</sub> A 7.0%)	AG3660-(CGA)	280 or 880	1200	3000	0–4000
Carbon Dioxide/Oxygen (CO <sub>2</sub> > 7.0%)	AG3662-(CGA)	500 or 940	1080	3000	0–4000
Helium/Oxygen (He A 80.0%)	AG3661-(CGA)	280 or 890	1180	3000	0–4000
Helium/Oxygen (He > 80.0%)	AG3660-(CGA)	500 or 930	1060	3000	0–4000
Nitrogen/Oxygen (O <sub>2</sub> > 23.5%)	AG3662-(CGA)	280 or 890	¼" NPT female**	3000	0–4000
Xenon/Oxygen (O <sub>2</sub> > 20%)	AG3661-(CGA)	280 or 890	1180	3000	0–4000
Carbon Dioxide/ Oxygen/Nitrogen	AG3661-(CGA)	500 or 973	¼" NPT female**	3000	0–4000
Helium/Oxygen/Nitrogen	AG3661-(CGA)	500 or 973	¼" NPT female**	3000	0–4000
Lung Diffusion Mixtures	AG3661-(CGA)	500 or 973	¼" NPT female**	3000	0–4000

Where “(CGA)” is indicated above, insert proper Compressed Gas Association connection number to complete the part number. Example: AG3661-973 is a regulator with a CGA 973 pin indexed connection (yoke) for Carbon Dioxide/Air mixtures. Order by complete part number.

\* Diameter Index Safety System (DISS) per Compressed Gas Association Pamphlet V-5.

\*\* No outlet connection has been assigned under DISS per CGA Pamphlet V-5.

### Optional Equipment

Equipment	Part No.
Small Medical Cylinder Stand	SG6201
Medical E Cylinder Cart	SG6218
Medical E Double Cylinder Cart	SG6219
Nylon Washers for Yoke Connections (package of 25)	SG6083