

#### SPECIAL PURPOSE HIGH FLOW DUAL GAUGE CO2 REGULATOR FOR HIGH FLOW NITROGEN APPLICATIONS

**Model Number:** 3000-600A-580

This purpose-built performance regulator utilizes the Series 3000 high flow adjustable regulator with adjustable outlet flow up to 600PSI with output of 45CFM. The outlet is supplied with a 1.4" Female NPT allowing the end user the flexibility of utilizing the regulator in many applications as per their requirements.

#### Specifications:

- Designed for Inert Gas service such as Nitrogen, Argon or Helium
- High flow capacity
- 45CFM (cubic feet per minute)
- Non-freezing under normal conditions
- Self venting
- Adjustable 0-600PSI
- CGA580 Tank Connection
- Light weight aluminum body, Anodized Gold
- Brass tank connection
- 1/4" Female NPT
- Chrome cased gauges

**NOTE: BE SURE ALL FITTINGS, HOSES AND ACCESSORIES ARE RATED AT A MINIMUM OF 400PSI ALLOWABLE WORKING PRESSURE FOR SAFE USE.**



#### SETTING UP THE SERIES 3000 REGULATOR FOR USE

1. Secure the cylinder into a bracket or stand. Cylinder should be secure and not allow movement. If tank is easily moved, then adjust tank restraints until tank is secure.
2. Attach the SERIES 3000 regulator to the tank outlet being sure the outlet faces downward. Tighten the brass regulator nut clockwise (right) until you can no longer hand tight. Do not use any tape or pipe dope. Use an adjustable wrench to tighten. Do not overtighten regulator tank connection.
4. Open the cylinder valve very slowly counter clockwise (left) to full open position. You will see the cylinder contents gauge rise to indicate remaining tank pressure. Be sure to inspect all the connections, quick connects and hose for damage or leaks. Listen for any escaping gas. Shut down system immediately and troubleshoot if you hear escaping gas.
5. Check the low pressure 1000PSI gauge for the factory adjusted pressure. This is the static pressure in downstream at this time. The SERIES 3000 regulator can be adjusted from 0-600PSI. The outlet pressure can easily be adjusted by turning the regulator knob in either direction.
6. Higher pressure is achieved by turning the regulator counter-clockwise (left). You may use the regulator at the desired pressure. To lower the pressure, turn the adjustment knob clockwise (right) and release the trapped gas in the hose assembly to lower the pressure and read an accurate adjustment on the gauge. It is normal to hear gas escape when lowering pressure downwards.
7. When shutting the regulator system down, turn the tank valve clockwise (right) until fully tight. Bleed remaining gas downstream.

#### USAGE TIP

It is good practice to disconnect your accessories between use and store safely. It is also recommended to disconnect regulator assembly during longer storage periods.

**SEE TANK MANUFACTURERS SAFETY INSTRUCTIONS FOR SAFE USE OF GAS CYLINDERS.**

**WARNING:** All accessories connected to the gas output quick connect **MUST** be designed for **600PSI WORKING PRESSURE**. FAILURE to use correct components can result in product failure and personal injury. Gas expands with increased temperature. **Bleed all residual gas from accessories after use to avoid damage and failure.**

