

SPECIAL PURPOSE HIGH FLOW DUAL GAUGE CO2 REGULATOR FOR RUNNING AIR TOOLS, INFLATING TIRES, PLUMBING AND HVAC

Model Number: 3000-400A-320

This purpose-built performance regulator utilizes the Series 3000 high flow adjustable regulator adding gauges and a robust quick connect primarily for filling large offroad tires and running air tools. Compare this non-freezing regulator output of 45CFM **up to 400PSI** to a typical onboard compressor rated at 4-5CFM with a maximum pressure of 150PSI. PREECE PRECISION will get you back on the trail without electricity - airing up tires, reseating a bead, or running an impact.

Specifications:

- Designed for Carbon Dioxide (Co2)
- High flow capacity
- 45CFM (cubic feet per minute)
- Non-freezing under normal conditions
- Self venting
- Adjustable 0-400PSI
- CGA320 Tank Connection
- Soft seal washer included
- Light weight aluminum body anodized blue
- Brass tank connection
- 1/4" FNPT outlet - Be sure all accessories can meet 475PSI pressure
- Chrome cased gauges



Air Up Performance Chart for Tires - Based on a 10lb Co2 Tank

Air Up Performance Chart for Tires – Air Up Times and Quantity of Tires								
Tire Size	10 to 20PSI	Qty	10 to 25PSI	Qty	10 to 30PSI	Qty	10 to 35PSI	Qty
30x9.50x15	17 sec.	68	26 sec.	45	35 sec.	33	44 sec.	26
31x10.50x15	21 sec.	55	31 sec.	37	42 sec.	27	53 sec.	22
32x11.50x15	22 sec.	53	33 sec.	35	44 sec.	26	56 sec.	21
33x9.50x15	23 sec.	50	35 sec.	33	46 sec.	25	58 sec.	20
33x12.50x15	30 sec.	39	45 sec.	26	60 sec.	19	75 sec.	15
33x14.50x15	40 sec.	29	60 sec.	19	70 sec.	16	88 sec.	13
35x12.50x15	40 sec.	29	60 sec.	19	70 sec.	16	88 sec.	13
35x15.50x15	44 sec.	26	66 sec.	17	87 sec.	13	109 sec.	10

SETTING UP THE SERIES 3000 REGULATOR FOR USE

1. Secure the Co2 tank into a bracket. Tank 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 quick connect faces downward. Tighten the brass regulator nut clockwise (right) until you can no longer hand tight. Do not use any additional washers or seals supplied by the Carbon Dioxide supplier. Your SERIES 3000 regulator is supplied with a reusable tank seal inside the regulator nut. Use an adjustable wrench to tighten. Do not overtighten to assure longer life of the PERMA-SEAL regulator tank connection.
3. Connect your hose assembly accessory to the regulator quick connect. Pull back brass quick connect, insert hose end and release for secure lock. Final end of hose must have a quick connect coupler or a shut off device such as a tire chuck or blown gun.

VERY IMPORTANT! The SERIES 3000 regulator is a GAS ONLY Regulator. The SERIES 3000 regulator can ONLY be used when your Co2 tank is in a vertical UPRIGHT position. Your Co2 tank may be stored or transported in any position when not in use. Always Have The Co2 tank secured or safely upright when in use. **DO NOT LAY ON ITS SIDE IN USE.** Failure to adhere will allow liquid CO2 to with draw from your tank damaging the regulator and your supplied accessories down stream from the gas regulator.

Please be sure to read Manufacturers Safety Instructions on your Co2 tank before use.

4. Open the cylinder valve very slowly counter clockwise (left) to full open position. Be sure to inspect all the quick connects and hose for damage or leaks. Listen for any escaping gas.

5. Check the low pressure 400PSI gauge for the factory adjusted pressure. This is the static pressure in the hose assembly at this time. The SERIES 3000 regulator can be adjusted from 0-250PSI. The outlet pressure can easily be adjusted by turning the regulator knob in either direction.
6. Higher pressures are achieved by turning the regulator clockwise (right). You may use the regulator at the desired pressure. To lower the pressure, you must turn the adjustment knob counter clockwise (left) and release the trapped gas in the hose assembly to lower the pressure and read an accurate adjustment on the liquid filled 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 from the hose assembly. You may leave the SERIES 3000 regulator attached to your Co2 tank, but be sure the valve is closed tightly between use to assure service free long life of the entire system.

USAGE TIP

It is good practice to disconnect your hose assembly 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 CO2 TANKS. SEE PREECE PRECISIONS GENERAL SAFETY FACTS ON CO2 TANKS BEFORE USE.

WARNING: All accessories connected to the gas output quick connect **MUST** be designed for **400PSI 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 hose after use to avoid damage and failure.

