



High Flow Adjustable Pressure Regulator Installation Instructions

High Flow Adjustable Pressure Regulator - (0-475psi)

PART NUMBER: 60-30100, 60-30101, 60-30104

60-30100

- Regulator only
3.00 x 1.46 (3.18" Length Full Open)
0.46 lbs

60-30101

- Includes High Pressure Gauge
- Includes Low Pressure Gauge
- Includes CGA320 Tank Connector
3.00 x 4.50 x 3.65 (3.18" Length Full Open)
0.96 lbs

60-30104

- Regulator only
4.68 x 1.46 (5.03" Length Full Open)
0.70 lbs

FEATURES AND BENEFITS:

- Machined From Light Weight Billet Aluminum
- Black Anodized Finish
- High Flow Capacity (45CFM)
- 3000 psi Max Inlet pressure
- Adjustable 0-475 psi Outlet Pressure
- Self Venting
- (1) 1/4" NPT Female Inlet (High Pressure)
- (1) 1/4" NPT Female Outlet (Low Pressure)
- (1) 1/8" NPT Female High Pressure Gauge Port
- (1) 1/8" NPT Female Low Pressure Gauge Port
- Pressure Lock Screws Prevent Accidental Changes
- Compatible with Air, CO2, Nitrogen, or Nitrous Oxide

INSTALLATION:

The Flo Supply High Flow Adjustable Pressure Regulator is designed to be bottle mounted or installed remotely for easier access and adjustment.

COMPLETE SYSTEM:

Parts are available on the Flo Supply website to complete your plumbing needs.

APPLICATION:

Shifter, parachute, and turbo wastegate / blow-off valve.

NOTE:

If you need any assistance during installation or if you have questions about this High Flow Adjustable Pressure Regulator, call our Tech Help Line at (254) 848-4300.

IMPORTANT: All appropriate safety equipment (gloves, tools etc.) must be used during the installation of this product(s).

Nitro Dave's LLC accepts NO responsibility for injuries or damages resulting during and/or from the installation of any product(s). All products are intended for off-road use only.

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High Flow Adjustable Pressure Regulator

PART NUMBER: 60-30100

INSTALLATION INSTRUCTIONS

Tips for Hose End Installation:

- The Flo Supply Compressed Gas Regulators are for use with Air, CO₂, Nitrogen, or Nitrous Oxide.
- For CO₂ Use, Bottle needs to be mounted vertically, with bottle valve on top. Bottle needs to have no internal pick-up tube.
- On CO₂ Applications correct bottle mounting angle is important to prevent the liquid gas entering the system and damaging the regulator and other components.
- Disconnect the hose assembly from bottle valve when not in use.
- It is recommended to disconnect the regulator assembly during longer storage periods.
- Make sure all fittings, hoses, and accessories are rated to a minimum of 475 psi for safe use.
- Do not use oil or lubricant of any kind on the regulator as this can be dangerous and cause damage.
- It is recommended that the regulator be set to the required psi setting before installing in your system and pressurizing your components. This can be adjusted on a test bench connected to a feed source and gauge.
- Never pressurize the regulator before connecting your hose or accessory. Always purge/bleed the residual gas in the hose assembly before disconnection. Gas expands with increased temperature. Trapped CO₂ can expand and exceed the working pressure of the hose assembly, rapidly causing premature bursting of the hose assembly.

60-30101 Regulator to Bottle Installation:

- The Flo Supply High Flow Adjustable Pressure Regulator p/n:60-30101 is designed to be installed directly on your bottle.
- Attach the regulator to the tank outlet by turning the brass regulator nut onto the tank fitting, clockwise (right) until tight. Do not overtighten.

60-30100 & 60-30104 In Line Regulator Installation:

- The Flo Supply High Flow Adjustable Pressure Regulators p/n:60-30100 & 60-30104 are designed to be installed in-line between the CO₂ or nitrous bottle and your designated component.
- Connect the main supply line to the regulator inlet.
- Connect the component supply lines to the regulator outlets.

SETTING UP FLO SUPPLY HIGH FLOW ADJUSTABLE REGULATORS FOR USE:

- 2mm Allen Wrench
- Your hoses will need to adapt to the 1/8"NPT ports on the adjustable pressure regulator.
- The adjustable pressure regulator can be a direct line from your pressure tank or can be plumbed into a hose that also services other components.
- Once the adjustable pressure regulator is installed you will need to set the required psi for your component.
- Install a low pressure PSI gauge on the outlet of the pressure regulator.
- Using a 2mm Allen Wrench, loosen the PSI Lock set screw. You do not have to remove it from the regulator.
- Turn the adjustment knob(s) clockwise (right) until fully seated on the regulator. This will set the regulator to Opsi output for component safety.
- Slowly turn the adjuster knob until you achieve the desired pressure. Higher pressure is achieved by turning the regulator counter-clockwise (left). 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.
- Using a 2mm Allen Wrench, tighten the PSI Lock set screw.
- You can now uninstall the low pressure PSI gauge from the outlet of the pressure regulator. Your regulator may be installed in a location that allows the low pressure gauge to remain installed.
- When shutting down the regulator system, turn the tank valve clockwise (right) until fully tight. Bleed remaining gas from the hose assembly. You may leave the pressure regulator attached to your CO₂ tank, but be sure the valve is closed tightly between uses to insure an extended life of the entire system.

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