

Pressure Pro II Installation

The Pressure Pro must be placed in-line between the nitrous bottle and the nitrous solenoid. The orifice opposite the adjustment bolt is the inlet- the line from the nitrous bottle goes here. The two side orifices are outlets. The ¼ inch NPT orifice goes to the solenoid while the 1/8 inch NPT orifice can be used for a gauge to read regulated pressure. The Pressure Pro needs to be within 12 inches of the solenoid. It does not matter how long the line from the bottle to the Pressure Pro is.

Check your outlet fitting depth. Be sure not to screw it in so far that it contacts the center valve-pin. Shorten the fitting if necessary. We don't recommend Teflon to seal the fittings, blue Loctite works best- just let it set up for 4-5 hours before use.

Adjustment

Rotate the adjustment bolt clockwise to increase regulated pressure and counter-clockwise to decrease it. NEVER try to increase the regulated pressure with the nitrous bottle on. This will put too much pressure on the adjustment bolt threads and strip them. It's better to screw the adjustment bolt all the way in and "back" into the pressure you desire.

Regulated Pressure Correction

Since you are adjusting your regulated pressure without the nitrous flowing, there will be a correction when the nitrous solenoid opens. How much correction you get will depend on bottle size, jet size, and line size. Test your system once you've installed the regulator to see your correction and then adjust your regulated pressure accordingly. Example: If you have a correction of 50psi and you want 900psi at the solenoid, set your regulator for 950psi. Tip: -6 line from the bottle to the regulator will dramatically decrease the amount of correction for most systems.

Gauge Creep

You may notice that after the bottle has been opened for a while, your gauge may creep higher than your set regulated pressure. The regulator has not failed, this is the nitrous trapped in the line between the regulator and the solenoid reacting to atmospheric conditions. This is the "dead" nitrous that will be purged and will be the only purging required.

Maintenance

Your Pressure Pro requires very little maintenance.

- Keep the o-ring inside the bottom tube lubricated regularly with white lithium grease or the equivalent. To do this, remove the adjustment bolt and the end-cap it screws into. Remove the shim and spring and finally, the plunger, o-ring assembly. Lube the o-ring and re-install.
- Use a non-petroleum based pneumatic air tool oil for basic lubrication. Put 3 drops of oil in air input after each use.