

# Pressure Pro Instructions

The Pressure Pro must be placed in-line between the nitrous bottle and the nitrous solenoid. The Pressure Pro needs to be no further than 12 inches from your solenoid. The Pressure Pro has a top and two side orifices. The top is the **inlet (opposite end of the adjustment bolt)**, the line from the nitrous bottle goes here. If you ordered your Pressure Pro without fittings, there will be a plug in the inlet orifice to hold a spring/seat assembly in place during shipping. Remove the plug and replace with your inlet fitting. **DO NOT** over tighten this fitting or the spring will coil-bind and the Pressure Pro will not work properly. Use Teflon tape on this fitting and only tighten enough to prevent leakage. The two side orifices are **outlets**. You may keep the one orifice blocked or use it for a pressure gauge outlet. The other outlet is connected to the nitrous solenoid. When installing the outlet fitting, be sure you don't screw the fitting in too far and contact the pushrod in the center of the regulator. Shorten your fitting if necessary. The Pressure Pro is adjustable from 500psi to 1100 psi using the 3/16" allen bolt on the bottom end. To increase pressure, tighten the bolt. To decrease, loosen the bolt. **NEVER** try to increase the outlet pressure with the nitrous bottle on! This will put too much pressure on the adjustment bolt and strip its threads. If you have 600psi and need 800, turn the nitrous bottle off and purge the pressure. Turn the adjustment screw 2 complete revolutions, turn the nitrous bottle back on and check your gauge- repeat as necessary. Each complete turn on the Pressure Pros' adjustment screw equals approximately 100psi. The Pressure Pro can take as much as 1400psi on the inlet. It's always a good idea to open the nitrous bottle slowly, but especially with higher inlet pressures.

You may notice on hotter days that your gauge is showing higher pressure than you have set the Pressure Pro. The Pressure Pro has not failed; this is just the nitrous trapped in the line between the Pressure Pro and the solenoid reacting to the heat. This is the "dead" nitrous that is purged away and will be the only purging required. Once the "dead" nitrous is relieved, your gauge will read the correctly adjusted pressure.

The Pressure Pro cannot give more pressure than the bottle has. Example, if your nitrous bottle is at 800psi, that's the most pressure you will get at the solenoids. Normally, it takes about 90° Fahrenheit to reach 900psi of bottle pressure. If you need that much pressure on a cooler day, the Pressure Pro allows you to warm the bottle without worry of overheating and going to the starting line with 1100psi at the solenoids.

## 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.

## 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.