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FOR IMMEDIATE RELEASE
February 23, 2007

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Nitrogen Assisted Nitrous Oxide (NANO)
Perfects Nitrous Oxide Regulation for the Street or Strip

Lawrence, Ks. 2007 - NANO Nitrous LLC announces their new NANO nitrous oxide regulation system which bolts on to all domestic nitrous oxide systems to provide perfect nitrous oxide bottle pressure at all times. Based on “mass flow technology”, this system eliminates performance variations cause by changes in nitrous bottle temperature and pressure. It turns on instantly, utilizes the entire contents of the nitrous bottle, and provides 25% additional nitrous horsepower down track.

“To get true consistency from your nitrous system you must add NANO's Nitrous Oxide Regulation System! With NANO's regulation added, your nitrous system is instantly on and ready to race, you can utilize the entire contents of the nitrous bottle, and it provides you with 25% additional horsepower down track.”

Thomas A. Darnell, Automotive Engineer



Advantages of Nitrogen Assisted Nitrous Oxide Technology (NANO):

* **Consistent Performance:**

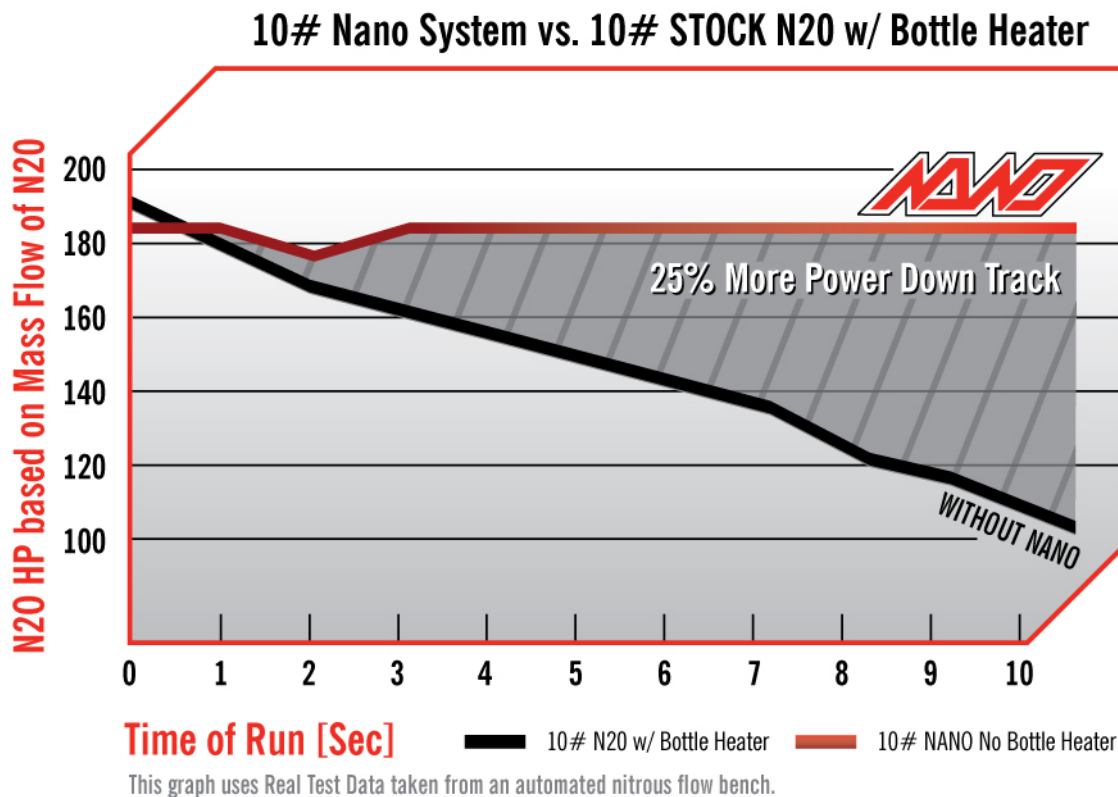
All traditional nitrous systems regulate nitrous pressures based on the vapor pressure in the dome of the nitrous oxide bottle. The pressure generated by nitrous vapor is dependent on temperature, nitrous oxide phase changes, and vapor recovery rates. In a traditional nitrous system all these forces are in constant change making these systems difficult to manage.

The NANO system eliminates dependence on nitrous vapor completely. Our regulator "pegs" the nitrous oxide pressure at a perfect 950 psi using a technology completely independent of vapor pressure. As a result, we are able to deliver perfect nitrous pressure at all times, whether the nitrous bottle is full, in use, or almost empty. With NANO maintaining perfect bottle pressure at all times, your nitrous systems will always perform consistently.

* **Increases Delivery of Nitrous Horsepower Down Track.**

Our regulation system eliminates the power drop-off experienced using traditional nitrous systems. A nitrous kit with our technology will deliver 25% more average horse power throughout a race. We refer to this gain as "horse power down track". Consistent gain in horse power down track results in significantly faster ET's.

The chart below compares a nitrous kit tuned to 180 nitrous horsepower in its standard configuration with the same kit using the NANO system. We see a 25% gain in overall nitrous power delivered to the engine during the race when the NANO System is added. As you see by this graph, by using NANO technology, we achieve a 25% power advantage without having to overpower the engine.



*** Instantly On and Ready to Race..**

Because our system does not depend on nitrous vapor, once you turn on our NANO Regulator you have perfect nitrous bottle pressure instantly and your nitrous system is ready to perform. There are no delays for nitrous vapor recovery, heating bottles, etc. In fact this system eliminates the need for bottle heaters. You can leave your propane torch at home.

*** Utilizes the full contents of the Nitrous Bottle.**

Our regulation system holds the nitrous bottle pressure at a consistent 1000 psi¹ which forces all nitrous vapor to change into a liquid. With 100% of the nitrous in a liquid state, NANO's regulator can reliably "push" the entire nitrous content out of the bottle at the same mass flow rate until the bottle is completely empty. The results -- users of our NANO System can use all the contents of the bottle without any loss of power. Compare this to the system without NANO, where the racer can only utilize 40% of the nitrous oxide purchased. A NANO user can get better than twice the race time from their nitrous kit on a single fill of nitrous oxide!²

*** Bolts On in Less Than 30 Minutes.**

This system simply bolts onto any existing nitrous oxide system. It is kit is engineered to be reliable, attractive and easy to install. All the parts needed for your installation are included with the kit.

¹ N2O bottle must not exceed 80F, cool bottle if bottle temperature exceeds 80F, N2O Bottle temperature sticker is provided with the kit.

² Unlike early attempts at push systems, NANO's system uses bottle pressure compensation (BPC) which does not override the standardized nitrous regulation pressures of 950psi to 1000psi. As a result racers can use their stock jetting.

*** Easy to Use:**

Simply fill the NANO bottle, attach it to your nitrous bottle, and turn it on. It's ready to perform immediately. No re-tuning is required if the original nitrous kit installation meets the manufacturer's specifications.

The NANO bottle is filled with high pressure air (HPA) and/or high pressure nitrogen (HPN). Normally these are filled at Paintball Stores, SCUBA Shops, fire equipment supply houses, or welding supply houses. In rural areas your local fire department may fill them for you. When it's time to refill your nitrous bottle or NANO bottle simply disconnect the two systems. An anti-reversion check valve automatically prevents any escape of gases. For manageability the NANO bottles are matched in size to your nitrous oxide bottle. Top off your NANO bottle when you refill your nitrous bottle.

Knowing how much nitrous oxide remains in your nitrous bottle has traditionally required removing and weighing your nitrous bottle. With NANO you can now estimate the per cent (%) of nitrous oxide remaining by looking at the NANO gage. Users say, "It's a nitrous system with a fuel gage!"

*** Safe**

NANO has been engineered for safe operations. It is DOT and Canadian Transport Certified (TC) and has both hi and low pressure relief valves as well as an anti-reversion check valve to restrict flow between the NANO Bottle and the nitrous bottle.

*** Pricing**

Two basic kits are available, the Universal Kit and the Competition Kit. Each kit is sized to fit the bottle size of the nitrous oxide kit it is being bolted onto. Currently we offer solutions for 10#, 15#, and 20# nitrous bottles.

The competition kit includes a modified NOS SuperHiFlo valve with a liquid filled NANO gage and two auxiliary ports. The auxiliary ports can be used with our soon to be released auto-on feature and/or a gage/sensor for reading liquid nitrous pressure. This valve has the ability to flow up to 500 horsepower of nitrous oxide.

The Universal kit utilizes the existing valve that comes with your nitrous system. Depending on the valve, this kit can flow up to 200 additional nitrous horsepower.

Prices start at \$569.

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For your convenience we have included additional information and materials on our Electronic Press Release.