

WET NOZZLE TECHNOLOGY



FRONT VIEW

Most nozzle designs are all alike. Other manufacturers may change a hole location here or a tip angle there, but in reality, there really hasn't been a breakthrough in nozzle technology in the past 20 years....until now. The most important function of a nozzle is to properly mix and atomize the correct amounts of nitrous and fuel. Current designs spray a solid stream of fuel at the nitrous stream and hope that it will atomize properly. Other designs are forced to be run excessively rich, so when nitrous bottle pressure and flow go up, their systems won't run dangerously lean. ZEX™ has developed two new nozzle technologies that not only give our design the ability to atomize the fuel to levels never achieved before, but also adjust fuel delivery on its own. The result is a nozzle that atomizes fuel and nitrous better than any previous design and provides the optimized tune-up at all bottle pressures. These groundbreaking technologies give you a significant Power Advantage over conventional nozzles.

Power Advantage #1 Fuel Shear™ Technology

ZEX™'s Fuel Shear™ technology injects enrichment fuel using a fuel transfer tube. This tube allows the ZEX™ nozzle to directly inject fuel into the highest velocity area of the nitrous plume. This high-speed nitrous gas shears the fuel away from the tube, atomizing it to levels other nozzle designs have never achieved. This high level of atomization ensures perfect fuel distribution from cylinder to cylinder; ensuring one cylinder is not dangerously rich or lean, like competitor's nozzles. The finely atomized mixture the ZEX™ nozzle achieves also burns more powerfully and maximizes the horsepower you get from your nitrous system.

FUEL
TRANSFER
TUBE



SIDE VIEW



#82025

Power Advantage #2 Active Fuel Control™ Technology

Active Fuel Control™ is the tuning and safety feature that has revolutionized the nitrous industry. A vacuum is created as nitrous gas is sprayed across the open end of the fuel transfer tube. As bottle pressure rises or lowers due to bottle temperature changes, the speed of the nitrous discharge varies to the same degree. This causes the level of vacuum draw in the fuel transfer tube to vary as well. This variable vacuum draw causes the ZEX™ nozzle to actually "pull" more or less enrichment fuel into the engine. This means your engine never runs dangerously lean or overly rich. The nitrous tune-up stays dead-on for maximum engine safety and power at all times.

NITROUS
OUTLET



TOP VIEW

Get the ultimate technology: Whether you're looking to purchase a complete nitrous system or just want to swap out your old-tech nozzles for ZEX™'s latest, groundbreaking technology, ZEX™ has you covered.