



## ***Speedtech Safety Diffuser & Pipe Away***

All standard nitrous oxide cylinders are equipped with safety burst discs in the bottle valve assembly. If the bottle pressure is raised to approximately 3000 psi, the safety disc will burst, and empty the contents through the diffuser nozzle and cap.

All bottle valves come with a regular diffuser and burst disc, which will allow the bottle pressure to be vented out of the bottle. If the bottle is being mounted inside a vehicle with no bulkhead or firewall between it and the driver, it will need a #8 Bottle Safety Pipe Away fitting. The Pipe Away fitting and the burst disc should be torqued to 15-30 ft/lbs. With the #8 Pipe Away fitting installed, you will then need a blow down tube or #8 braided line to screw on to the bottle, when the bottle is installed in a vehicle. If the pressure is raised to above 3000 psi, the disc will rupture and release its pressure through the #8 tube or line, and exit the vehicle, without damaging anything inside the vehicle.

### ***Installation:***

**Warning!** *Do not allow nitrous oxide to come in contact with skin. Nitrous oxide can cause severe burns or frostbite. Do not breathe nitrous oxide. Inhalation of nitrous oxide can cause death via suffocation.*

1. Remove nitrous bottle from vehicle. Take it to a well-ventilated area. Make sure that all contents of cylinder are empty by slowly opening the bottle valve.
2. Once all pressure is released from the cylinder, remove the regular safety diffuser that comes pre-installed on the bottle valve.
3. Take the #8 Pipe Away fitting screw it into the port where you removed the regular diffuser fitting. Torque the #8 Pipe Away fitting to 15-30 ft/lbs.

**Note:** The Stainless Steel safety wire needs to be captured between the #8 Pipe Away fitting and the bottle valve.

**Important:** Whenever the bottle does not have a blow down tube or #8 braided line attached to the #8 Pipe Away fitting, install and finger tighten the Speedtech Bottle Safety Diffuser and Cap. Failure to do so can result in the nitrous bottle "becoming a projectile" and injuring someone, or causing property damage if the safety disc were to burst when the bottle was not secured in place.