

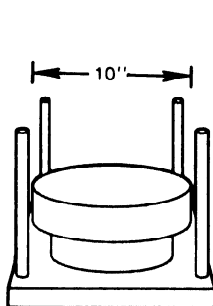


SUPER NITRO-DYNE Works!

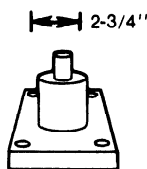
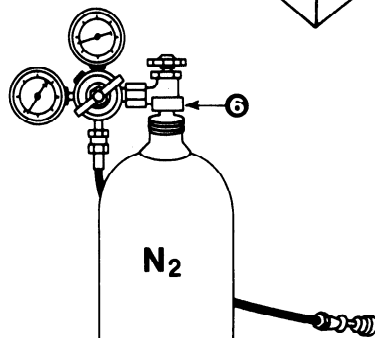
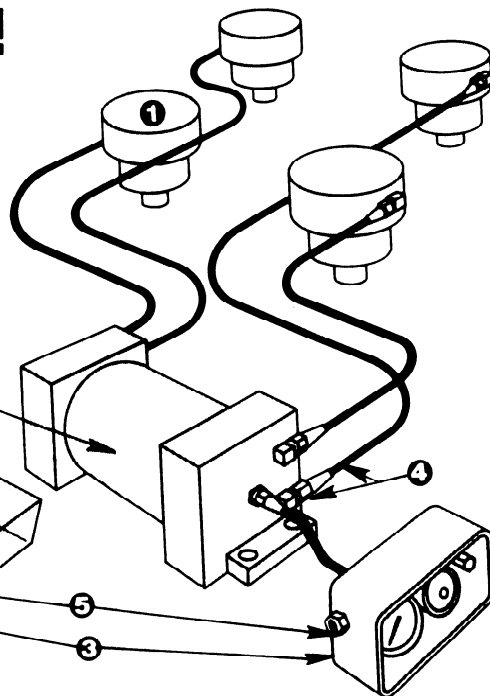
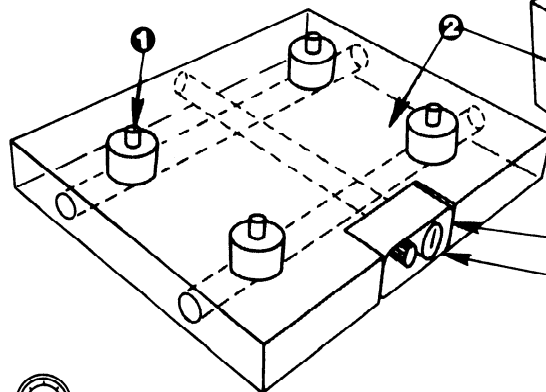
Nitrogen Gas

Compressed nitrogen gas is available in inexpensive commercial bottles from suppliers of welding gas. Nitrogen is transferred from high pressure gas bottles via the charging assembly through the control panel inlet fitting into the self-contained compression tank. This is done as easily as inflating your automobile tire. System pressure can be adjusted anywhere between 0 and 1500 psi.

A monthly nitrogen charge is enough for most systems.



AIR CUSHION
@ 80 PSI = 5000 LBS.



NITROGEN CYLINDER
@ 1500 PSI = 5000 LBS.

Why Use Nitrogen?

MORE FORCE LESS SPACE – An air cushion operates at 80-100 psi (shop air lines). Nitrogen operates at 1500 psi which allows more force in less space.

SAFE – Nitrogen is not combustible, nor is it toxic; in fact, the air we breathe is over 75% nitrogen. Nitrogen gas is used in dry powder type fire extinguishers because it is so safe.

ECONOMICAL – A standard size nitrogen bottle costs less than \$10.00 and contains enough gas to fill a typical system many times.

READILY AVAILABLE – Most industrial gas suppliers have commercial grades of nitrogen in stock.

EASY TO USE – Nitrogen is easy to buy, easy to charge and easy to use. There is no complicated plumbing to connect or adjustments to make as with other systems.

System Components

1. Cylinders come in six diameters and four mounting styles with standard and special strokes as required.
2. Compression tanks are sized to be approximately ten times the nitrogen volume forced from the cylinders as they travel. Manifold plates generally do not use a separate tank. Large diameter cross drilled holes provide the needed volume.
3. A Control Panel is used with each system. It functions to register the pressure in the system, provides a nitrogen inlet fitting for adding gas and a bleed down valve for exhausting the nitrogen gas pressure.
4. Fittings — Hoses — Plugs. These come in various styles and sizes to fit the application.
5. Safety Rupture Disc — will protect system and components from any accidental excess pressure.
6. Charging Assembly — regulator and hose assembly is used to transfer nitrogen from commercial bottles to the system. One charging assembly can service an entire press room.