

*Invest yourself into the*

# NITROGEN *Advantage*



**CHAMPION**<sup>®</sup>

*A Gardner Denver Product*



## *Why Nitrogen?*



Traditionally, tires are filled with compressed air (oxygen and nitrogen). Removing oxygen from the compressed gas used for tire inflation will make your tires perform better and last longer.

### **BETTER TIRE PRESSURE RETENTION**



Nitrogen migrates through a tire 3 to 4 times slower than oxygen. It may take 6 months to lose 2 pounds of tire pressure with nitrogen, compared to less than a month with oxygen.

### **ENHANCED SAFETY**



Nitrogen is a safe, non-flammable and non-corrosive gas.

### ELIMINATION OF OXIDATION

A cooler tire will prevent oxidation, which can cause tread separation, belt failure, and when combined with moisture can corrode your wheels.

### REDUCING ROAD HAZARD ISSUES

Tire failures can be significantly reduced while reducing down time and costly service calls.

### REDUCING DEGRADATION

By using nitrogen you are reducing degradation of rubber's mechanical properties caused by oxidation in the absence of oxygen.

### IMPROVED FUEL ECONOMY

Maintaining the proper tire pressure will lesson the rolling resistance and reduces heat in your tires.

### EXTENDED TREAD LIFE

Tires inflated with nitrogen run cooler than tires inflated with regular air.

*Taking Technology to a  
Higher Level*



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Visit [www.championpneumatic.com](http://www.championpneumatic.com) to explore more information about filling your tires with Nitrogen.

- Publications
- Technical Data
- Product Information

Our Pledge.....

We are committed, as we have been for over 85 years, to delivering quality air solutions for our customers.