



sysadvance®



NITROTECH F1 / F1 Truck

NITROGEN IN TIRE INFLATION

Nitrogen has been used for decades in tyre inflation on Formula 1, as well as in other industries, such as aerospace and aeronautics. It is also being used in tyre inflation of trucks and light vehicles.

NITROGEN ADVANTAGES

The nitrogen eliminates the two main enemies of tires: oxygen and water vapor, attaining:

- INCREASED PRESSURE STABILITY;
- HIGHER FUEL ECONOMY;
- REDUCED TYRE OXIDATION;
- LONGER TYRE LIFE.

OXYGEN

The small size of this structure causes it to migrate through the tyres rubber more easily, causing the decrease of the internal tyre pressure over time. In this process, the Oxygen causes the aging and embrittlement of the internal structure of the tyres. In addition, Oxygen origins oxidation of the iron wheels and rims, contributing to the failure of the tyre valves.

WATER VAPOR






The physical characteristics of this compound causes it to expand when the tyre heats up and to contract when the tyre cools down. These variations in the water vapor volume cause significant variations on the pressure of tyres with temperature, causing the tyres to operate at different pressures than those recommended, decreasing safety and increasing fuel consumption.





SYSADVANCE NITROTECH

BE EFFICIENT, BE SAFE

	LIGHT		LIGHT AND HEAVY DUTY		
MODEL	NITROTECH F1 SMALL	NITROTECH F1	NITROTECH F1 Truck SMALL	NITROTECH F1 Truck	NITROTECH F1 Truck PLUS
IMAGE					
DIMENSIONS	800X300X800mm	800X300X800mm	800X300X800mm	800X300X800mm	800X800X1400mm
WEIGHT	60 Kg	80 Kg	60 Kg	80 Kg	200 Kg
PRODUCTION	30 l/min	50 l/min	80 l/min	120 l/min	255 l/min
CONSUMPTION	100 l/min	160 l/min	300 l/min	400 l/min	590 l/min