

## Nitrogen Inflater - 6080



### FEATURES :

Description	Nitrogen Generator & Inflater Machine
Power	AC-220V
Nitrogen Generated	Through High Quality Filtration
Nitrogen Purity	95-99.9%
Air Inlet Pressure	9-10Kg/cm <sup>2</sup> ; 130-145 PSI
Nitrogen Outlet Pressure	6-8Kg/cm <sup>2</sup> ; 85-115 PSI
Output Capacity	35-55L/min
Machine Dimension	62×40×136cm
Net Weight	136Kg
Nitrogen Tank Capacity	50L/13.2 Gallon inside
Suit For	Car & Light Truck

### Advantages of Nitrogen Gas in Tyre

- Nitrogen gas is lighter than air in weight. Usage of Nitrogen Gas in wheels decreases the overall weight of the vehicle. Therefore the vehicles fuel efficiency increases

### Size of Nitrogen Molecules

- The size of nitrogen gas molecules is 4 times bigger than air. Therefore, in case of puncture, the nitrogen gas escapes very slowly from tyre thus giving, more time to drive a punctured tyre.

### Low Thermal Conductivity of Nitrogen

- Nitrogen Gas does not expand due to heat. Therefore, in summer or at high speed, the tyre does not expand or burst due to increase in temperature.

- Due to high thermal coefficient of expansion, nitrogen derives a stable nature. Therefore, the gas does not expand due to increase in temperature and hence does not exert pressure on thermal walls of the Tyre. It gives longer life to Tyre.
- The Nitrogen Gas does not contract due to low temperature. Thus the tyre rubber does not contract. Therefore the life of tyre rubber increases.
- Also, as the Tyre rubber remains softer (Elastic) because of low expansion and contraction, the braking of tyre wheels is improved due to improved road grip

## **Advantages of Nitrogen Gas**

- As the elastic property of Tyre rubber is intact, the tyre does not skid on turns
- The tyre makes less noise on turns.
- Usage of nitrogen gas in tyre increases the tyre life & fuel saving
- All Formula-1 and Racing Cars use Nitrogen Gas in Tyre for better road grip, better driving comfort and Safety