

“Go” MORE MILES

with Nova Nitrogen



NITROPAQ

a smart solution for nitrogen tyre inflation



Effects of Compressed Air



Normal compressed air contains oxygen in 21% volume which has smaller molecular size than Nitrogen molecule hence oxygen permeates through the tyre walls causing pressure loss in a short time. During this process oxygen reacts with rubber and results in ageing and weakening of the tyre.

Moisture present in compressed air expands and contracts which leads to uneven tyre pressure results in high wear and tear & oxidation on the lining which damages the tyres.



Advantages of Nitrogen

Consistent tyre pressure :



Nitrogen migrates through the tyre walls 3 to 4 times slower than normal air

More Mileage



Maintaining right tyre pressure reduces the rolling resistance of the tyre and improves fuel economy

More tread life and overall tyre life :



Tread wear is reduced and tread life is increased in nitrogen filled tyres

Reduce corrosion :

Maintaining right tyre pressure reduces the rolling resistance of the tyre and improves fuel economy

Tyre runs cooler :

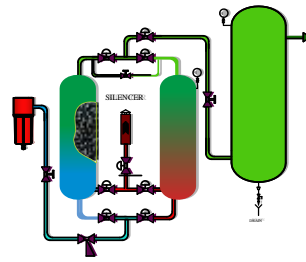
Nitrogen does not get over heated at high speed run on the highways

Parameter / Model	UoM	NITROPAQ 10i	NITROPAQ 20	NITROPAQ 30	Other Models
Nitrogen purity	%	95.5 to 99	95.5 to 99	95.5 to 99	
Outlet N2 Pressure	bar g	6 to 8	8 to 10	10 to 12	
Pre filter	Micron	5	5	5	
Air dryer		Integrated	Integrated	Integrated	
Inlet Air pressure	bar g	8 to 10	10 to 12	12 to 15	
Inbuilt Nitrogen storage tank	lit	60	90	130	Nitrodaq 60 for OTR vehicles
Power supply	VAC	100 to 230 /1ph/ 50/60Hz ± 10V	100 to 230 /1ph/ 50/60Hz ± 10V	230 /1ph/ 50/60Hz ± 10V	*Contact factory for details
Nett Weight	Kg	83	115	285	
Overall Dimension (WxDxH) Suitable for	mm	525 X 375 X 1265 Motor bike, Car, SUV, LCV (intermittent)	675 X 470 X 1390 Motor bike, Car, SUV, LCV	840 X 650 X 1600 Motor bike, Car, LCV, Buses and Trucks	

Installations at :



Effects of Compressed Air



The compressed air is pre treated for removal of moisture, oil and particle and passed through the adsorber vessel filled with Carbon Molecular Sieves (CMS) where the oxygen is adsorbed preferentially in

the CMS pores so that nitrogen molecules discharges from the outlet valve and stored in the receiver for nitrogen inflation.

UNIQUE FEATURES :

Nitrogen Generator

- Nitrogen Purity 95.5 % to 99 %
- Automatic Nitrogen generation on demand
- Multistage Filtration for Oil, Particle and Moisture
- Modular construction nitrogen generator
- Built-in nitrogen Storage Tank
- Built-in air dryer & high efficiency borosilicate filter enhance the life of CMS
- Highly efficient CMS for consistent purity & long life.

Digital Tyre Inflator

- Micro processor board for highest reliability
- Ceramic pressure transmitter for high reliability & accuracy
- Pressure based automatic vacuuming ensures no air in the Tyre during first time nitrogen fill
- Inbuilt "Tyre counter", "Hour meter" helps better monitoring
- User friendly keypad with highly reliable tactile keys
- Pressure units selectable for "psi" and "bar" Separate key for "Flat tyre" inflation
- PU braided hose with hose clip for inflation
- Independent pressure gauges for N2 & Air
- Independent LED display for "Tyre pressure" & "Set pressure"
- User friendly LEDs for monitoring the functions & alarms



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