

# NITROGEN INFLATION



**N2 STANDARD MODEL (STD)**



**N2 ANALYZER**



**N2 SPECIAL MODEL (SPL)**

## PCL-SUMO's N2 Generator cum Inflator - combining the latest in high performance Nitrogen generator with leading Inflation Technology.

PCL-SUMO Nitrogen Generator cum Inflator brings the latest in PSA (Pressure Swing Adsorption) process for Nitrogen (N<sub>2</sub>) Generation. The robust, cost effective and mobile design is capable of delivering High levels of N<sub>2</sub> purity. This leading generation technology is seen on forecourts across India and to deliver N<sub>2</sub> Inflation cost effectively.

This equipment incorporates the ability to preset the tyre pressure allowing the Operator to automatically inflate FOUR tyres simultaneously or single tyre **with Air or Nitrogen** to the required level, thus saving time and money. Using the proprietary **bespoke** software along with the adjustable purge cycles feature (settable from 1 to 5), specially developed for Nitrogen Inflation, converts Air to Nitrogen, allowing the delivery of consistent high levels of Nitrogen purity in the tyre where it is really needed. The unit incorporates an Air and Nitrogen selector as an option so this can act as an Air Tower where required at the flick of a lever.

N<sub>2</sub> due to its inherent properties compared to Air, offers extended tyre life and most importantly increased Safety, which is why it's used in Formula 1 Cars and Aeroplanes. At the same time through lower fuel usage, it helps in reducing CO<sub>2</sub> emissions thereby helping to save the environment.

In short, the PCL-SUMO Nitrogen Generator Cum inflator models provides cost effective and flexible revenue generating opportunities for Tyre Service providers thereby offering high levels of N<sub>2</sub> performance, low running costs and long lifetime, all for a moderate Capital Outlay.

## SPECIFICATIONS:

Model	N2A-3000/50	N2A-4000/70	N2A-10000/120
N2 Generation Capacity	3000 Liters Per Hour	4000 Liters Per Hour	10000 Liters Per Hour
N2 Tank Capacity -Liters	50	70	120
Cabinet Size in mm	530 x 400 x 1200	600 x 510 x 1400	750 x 550 x 1570
Net Weight in Kg	120 kgs	160 kgs	220 kgs
N2 Purity	95 – 99.5%	95 – 99.5%	95 – 99%
Max. inlet air pressure	Above 150 psi	Above 150 psi	Above 200 psi
Max. N2 outlet pressure	120 psi	120 psi	145 psi
Pres. Measurement Accuracy	± 0.5% FSR	± 0.5% FSR	± 0.5% FSR
Rubber Hose Length	7.5 meter	7.5 meter	12 meter
Stabilized Power Supply	230V AC, 50Hz	230V AC, 50Hz	230V AC, 50Hz
Power Consumption	Max 20VA	Max 20VA	Max 20VA



### SALIENT FEATURES :

- Expensive high performance imported grade CMS (Carbon Molecular Sieves ) for longer trouble free life.
- Specially designed high volume CMS Towers for continuous supply of pure N2 at higher flow rate.
- In built provision of simultaneous FOUR tyres Inflation / Deflation in Standard Model only.
- The Air / N2 selector allows same unit to be used for Air or N2 inflation in Tyres by just the click of a Lever, allowing it to act as forecourt Air Tower or N2 Inflator at same time.
- Low life time costs - with high grade double filtration unit +activated carbon (in Standard Model) and high performance components.
- N2 purity Check point provided
- Bespoke software for Opimal N2 inflation with Purge cycle option in tyres to deliver high purity N2.
- Accumulated Digital working hour meter inbuilt in the Software.
- Inbuilt Digital Counter ( Progressive Type) provided in the software for measuring number of tyres inflated.
- Guaranteed Accuracy and robustness with Ceramic Pressure Sensor.
- Heavy duty Euro design Clip-on Connector for firm grip on tyre Valve.
- Spacious Powder coated cabinet for ease of maintenance.
- Provision of making the Unit Mobile option is available.
- R.F. Remote control option available .

### VARIANTS

Features	Standard	Special
No. of tyres inflation	4	1
No. of hose supplied with machine	1	1
Provision of additional 3 Hoses in machine	Yes	No
N2 purging cycle	Yes	Yes
Stop fill valve	Yes	No
Auto inflation for top-up	Yes	Yes
Air-N2 selector switch	Yes	Optional
Digital inflator operation	Touch Screen	Touch Screen
Nitrogen analyser	Optional	Optional

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