

OUR VALUABLE CUSTOMERS

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INNOFORGE Pvt.Ltd
Forging The Future



GASFE NITROGEN GENERATOR



ENERGY EFFICIENT

HIGH PURITY

HIGH RELIABILITY

IN HOUSE NITROGEN GENERATOR



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GasFe Nitrogen Generators operate on Pressure Swing Adsorption Technology.

This is skid mounted system a compact design for, High purity Nitrogen 99.9999% with 1 ppm oxygen.

Nitrogen generator features.

- Nitrogen from compressed air.
- On-site Nitrogen production.
- High energy efficient.
- Automatic.
- Low Nitrogen cost.
- Low maintenance cost.
- High purity 99.9999% and High reliability.

The Nitrogen generator consists of.

- Air Compressor
- Compressed air treatment systems (CAT)
- Nitrogen Module
- Nitrogen Purification system
- Emergency Nitrogen system
- LP & HP Buffer vessels

Compressed air treatment systems (CAT):

Generally compressed Air contains impurities like Oil, Moisture and dust. The GasFe Technology CAT is designed to removes all the particles and delivers the pure (bone dry) air at outlet with (-) 50⁰ C Dew Point.

The CAT System Delivers Constant Air Quality.

- Low Operating Cost
- Less Maintenance Cost
- Long Durability

The compressed air at the outlet of the "CAT" is oil, moisture, and dust-free bone-dry air. However, CAT is designed to handle maximum of 50 ppm of oil in compressed air, here important is that the compressor is properly maintained so that the oil content in compressed air remains under check.

Emergency Nitrogen system

- Makes larger Nitrogen gas volume available during plant breakdown / power failures / power cut etc.
- Ready to use Nitrogen gas at the press of a button.
- Gas volume can be much higher than gas plant capacity.
- Least energy consumption.
- Comprises of a pressure booster / filtration system & a pressurized Nitrogen buffer vessel.

Standby & Built in Nitrogen generator system

Our N₂ generator features that doubles the overall dependability.

- Effective standby Nitrogen generator system.
- Set of standby valves and controls.
- Without stopping the Gas production, Preventive maintenance can be carried out.
- Economical production of N₂ gas.
- Minimal space requirement.

Standby Nitrogen system consists

- Air compressor (working + standby)
- An effective compressed air treatment unit CAT.
- Nitrogen modules.
- Nitrogen LP tank.
- Emergency Nitrogen HP tank.

Advantages of Standby Nitrogen system.

- Fail proof nitrogen on 24 X 7 basis even when breakdown or power fails.
- Flow & purities comparable with liquid Nitrogen.
- Economical compared with any other source of Nitrogen.
- During emergency, Nitrogen gas flow can be much higher than the installed capacity.

