

N2-GEN[®] TS Series - Nitrogen Generator



Cost Savings.

South-Tek's N2-GEN[®] TS Series is more cost-effective than purchasing & maintaining either banks of N2 cylinders or N2 liquid bulk storage tanks. In most cases, up to 90% in N2 cost savings.



INTRODUCTION

South-Tek Systems' N2-GEN[®] TS (Tank-Mounted) Series Nitrogen Generator is a PSA (Pressure Swing Adsorption) system designed for high purity Nitrogen applications. The N2-GEN[®] TS Series has the capability of generating Nitrogen with purities from 95% up to 99.999%.

"Make your own Nitrogen with the N2-GEN[®] TS Series and never wait for a delivery again..."

South-Tek Systems, the Leading Designer and Manufacturer of Nitrogen Gas Generation Technology

PSA TECHNOLOGY

- The air contains 79% Nitrogen; our systems mechanically filter out the other gases, concentrating the N2 into a storage tank for your process usage.
- Clean, dry compressed air enters one of the two adsorption vessels, containing Carbon Molecular Sieve (CMS).
- Smaller oxygen and residual molecules (H2, He, etc), are absorbed into the CMS, allowing the larger Nitrogen molecules to pass through into a storage tank for later process use.
- Upon saturation, the first adsorption vessel releases the oxygen while the second adsorption vessel starts the process again.

NITROGEN

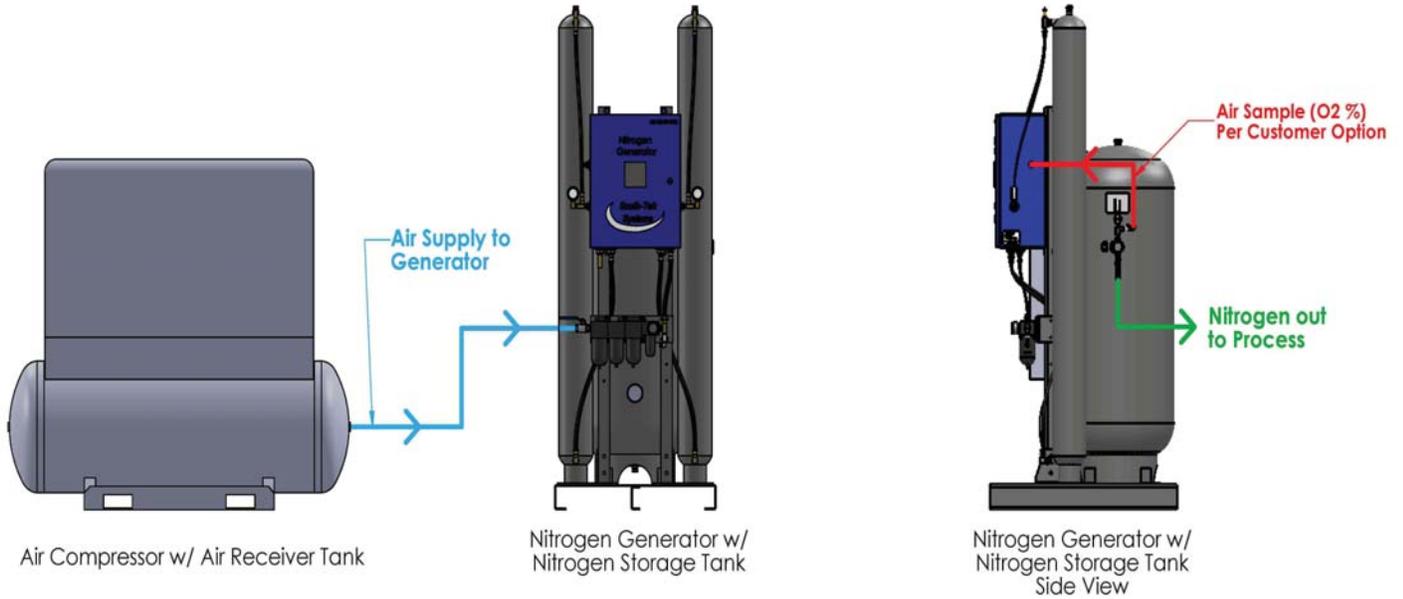
- Inert, clean, dry, non-flammable gas
- Has a true -40° to -70° F dew point
- Does not support the corrosion reaction
- Prevents oxidation of non-metallic components

N2 LIQUID BULK FACTS

- Liquid N2 boils at -320 degrees farenheit
- 2% of your tank volume can be lost due to evaporation every 24 hours
- No precise Liquid N2 volume readings from delivery truck when delivered
- Inconvenient, unsafe, and unreliable
- Locked into a gas contract and constantly paying bills

N2-GEN® TS Series Specifications

Typical Tank-Mounted System Installation



System Benefits

South-Tek Systems N2-GEN® TS Series - Nitrogen Generator

- Generate your own Nitrogen on demand
- Reduce your Nitrogen costs by up to 90%
- Fast payback with ROI average 12-14 months over bulk liquid
- DAS / Purity Certification included with each system
- Systems' life expectancy of over 20 years
- No missed deliveries, escalating costs, or contracts to sign
- Fully automatic: production begins when demand downstream is sensed

For further information, please contact South-Tek Systems:



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Product Specifications

| | |
|-----------------------|-------------------------|
| Series: N2 GEN TS | Tank-Mounted |
| N2 Purity | 95% - 99.999% |
| Flow Rate | 2 - 1,074 SCFH |
| N2 Pressure Out (max) | 115 PSIG |
| N2 Storage Tank | 60 / 80 Gallons |
| Maintenance | Annual (Filter Kits) |
| Warranty | 2 Years ¹ |

¹ Per South-Tek Systems Terms & Conditions.

N2 GEN® TS Series - Nitrogen Generator / We ARE Nitrogen.

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