We ARE Nitrogen.

“Make your own Nitrogen with the N₂-GEN® S Series and never wait for a delivery again...”

INTRODUCTION

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

Cost Savings.
South-Tek's N₂-GEN® S 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.

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

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

South-Tek Systems, LLC
2940 Orville Wright Way
Wilmington, NC 28405

Phone: (888) 526-6284
Fax: (910) 332-4178
Email: info@southteksystems.com
**N₂-GEN® S Series Specifications**

**Typical Skid System Installation**

**System Benefits**

South-Tek Systems

**N₂-GEN® S 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:

Phone: 910.332.4173
info@southteksystems.com
www.southteksystems.com

**Product Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Skid-Mounted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series: N₂ GEN S</td>
<td>N₂ Pressure Out (max) 115 PSIG</td>
</tr>
<tr>
<td>N₂ Purity</td>
<td>95% - 99.999%</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>296 SCFH - Unlimited Capacities</td>
</tr>
<tr>
<td>N₂ Storage Tank</td>
<td>Varies</td>
</tr>
<tr>
<td>Maintenance</td>
<td>Annual (Filter Kits)</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 Year¹</td>
</tr>
</tbody>
</table>

¹ Per South-Tek Systems Terms & Conditions.

---

N₂ GEN® S Series - *Nitrogen Generator* / We ARE Nitrogen.