Nitrogen Gas Generation for University, Lab & Research Applications

About Us.
South-Tek Systems is the leading designer and manufacturer of Nitrogen Generators for worldwide distribution, serving a wide range of industrial, lab, and military applications. Our technology is safe, reliable, and cost-effective. Generate your own nitrogen at your site and reduce your nitrogen costs by up to 90%.

APPLICATION EXAMPLES

- Bio-Fuel Manufacturing
- Dry Boxes
- IVF Applications
- Mass Spectrometers
- Pharmaceuticals
- Cell Incubators
- Inert Atmosphere
- Laboratory
- Medical
- Semiconductors

(visit our website at www.southteksystems.com for further Application details)
**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 adsorbed 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.

**ABOUT PSA N2-GEN® SERIES**

<table>
<thead>
<tr>
<th>Series</th>
<th>N2 GEN TS</th>
<th>N2 GEN CS</th>
<th>N2 GEN S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series</td>
<td>Tank-Mounted</td>
<td>Compact Skid</td>
<td>Skid-Mounted</td>
</tr>
<tr>
<td>N2 Purity (%)</td>
<td>95 - 99.999</td>
<td>95 - 99.999</td>
<td>95 - 99.999</td>
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<tr>
<td>Flow Rate (SCFH)</td>
<td>2 - 1,074</td>
<td>47 - 2,686</td>
<td>296 - U.C.</td>
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<tr>
<td>N2 Pressure Out (max)</td>
<td>115 PSIG</td>
<td>115 PSIG</td>
<td>115 PSIG</td>
</tr>
<tr>
<td>Storage Tank</td>
<td>60 / 80 Gallons</td>
<td>Varies</td>
<td>Varies</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 Years(^1)</td>
<td>2 Years(^1)</td>
<td>2 Years(^1)</td>
</tr>
</tbody>
</table>

* U.C. - Unlimited Capacities
\(^1\) Per South-Tek Systems Terms & Conditions

**SYSTEM BENEFITS**

- 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
- Unique to STS, 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

**CONTACT**

For further information, please contact South-Tek Systems:

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