

South-Tek's CS-410 IC containerized nitrogen generator system offers a reliable, on-demand, high-purity (up to 99.999%) nitrogen supply, eliminating gas company delivery delays and cutting long-term costs by up to 60%!

Our turnkey outdoor-installed systems provide easy installation, enhanced energy efficiency, and free up valuable indoor space.

Key value-drivers of a South-Tek containerized PSA nitrogen-generating system include:

- **Reliability and Convenience:** These systems offer a continuous, on-demand supply of nitrogen, removing dependence on gas companies, delivery schedules, and inventory management.
- **Real Cost Savings:** By eliminating the need for delivered nitrogen and rental fees, N2 users can greatly cut operating costs. The system's high efficiency is a result of how we configure the compressor, generator, and other components.
- **Space Optimization and Mobility:** Being housed in a container, the unit can be installed outdoors or in remote locations, saving valuable indoor floor space.
- **Safety:** Our systems remove the dangers linked to handling high-pressure gas cylinders.
- **Customizable N2 Purity:** The systems can be configured to produce nitrogen at specific purity levels (from 95% to 99.999%) to satisfy the critical N2 purity requirements of applications like laser cutting, food and beverage manufacturing, electric component production, and other industrial uses.
- **Sustainability:** On-premises N2 generation lowers the carbon footprint by eliminating the need to transport nitrogen by truck.



South-Tek's Containerized Nitrogen Generation Solutions provide *Mission-Critical* N₂ gas where you need it, when you need it!



Containerized nitrogen system: **N2GEN CS-410 IC**

- Delivers clean, dry, high-performance N₂ at purities 95% to 99.999%
- Turnkey system includes compressor, dryer, air receiver tank, N₂ generator, N₂ buffer tank, premium filtration and high-quality piping and electrical connections.
- Container is built to operate in a variety of environments and locations.
- Drop and go design is ideal for long- and short-term rentals.

Reference Data

Model	95.000%	97.000%	98.000%	99.000%	99.500%	99.900%	99.950%	99.990%	99.995%	99.999%
N2-GEN-CS 410 IC	17,366	14,636	13,272	12,120	11,057	8,154	6,792	5,431	4,678	4,109

Specifications

Description	Units	Data
Model	-	N2-GEN-CS410
Min-max inlet air flow ¹	SCFM	413.1 - 645.5
Min-max outlet nitrogen flow ¹	SCFH	4,109 - 17,366
Min-Max Nitrogen Purity ²	%	95 - 99.999
Dimensions (LxWxH)	Feet/Inches	40'L x 8'W x 9',6"H
Shipping weight	Pounds	30k/lbs.+/-
Outlet connection	Inches	1" NPT
Included inlet filtration		3 stage (1 Micron, .01 Micron, Activated Carbon)
Filter replacement kit		Compressor: FR-100AC N2GEN: FR-100NG
Recommended external nitrogen tank size	Gal	NA (storage tank is in container)
Electrical input		
Amps		
Ambient Temperature Range	Deg F	40 - 90
Compressed Air Temperature range	Deg F	40 - 100
Required Inlet Dew Point	Deg F	< 40
Electrical Cabinet Rating		
Reference Standard for air purity		ISO 8573-1 (1.4.1)

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