



Nitrogen Generating Systems

January 14, 2008

THE CVB SNG-II Series of Stationary Nitrogen Generator

ELIMINATE THE NEED TO PURCHASE LIQUID NITROGEN OR CYLINDER GAS . . . WITH CVB STATIONARY GENERATORS

Model SNG-II CVB Stationary Nitrogen Generators provide high pressure, high quality inert gas for military, commercial and industrial applications. . . providing a cost-effective means of servicing tires, struts, hydraulic accumulators and filling gas cylinders as well as for many other purposes customarily handled by high pressure filtered and dried air.

The SNG-II is an electrically driven self-contained high pressure nitrogen generator, producing high quality, dry nitrogen gas by separating nitrogen from the ambient air through the use of membrane technology. The nitrogen gas is then compressed to high pressures and stored and/or distributed to a storage system or other equipment. The SNG-II is available in a variety of models compatible with customer power supply and capable of producing nitrogen gas up to 99.5% purity at 8 to 25 scfm. Service pressures provided to 5000 psi, with an option to 6000 psi.



The SNG-II is supplied as a fully integrated “turn-key” nitrogen generating system. It is a modular design installed on a single skid to allow for easy customization for a total nitrogen gas production system to meet specific design applications. The system skid allows the SNG-II to be forklifted from all four sides and rests on four OSHA approved adjustable machinery/leveling feet and does not required bolt-down.

CvB Nitrogen Generators are in Worldwide Service with United States and Foreign Military and Commercial Airline Operators.

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- Factory Direct, *Government Impact Cards Acceptable*



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SPECIAL FEATURES:

- On-line Oxygen Analyzer is incorporated for continuous monitoring the oxygen content to determine nitrogen purity.
- A UL® labeled control center with PLC controller and operator-friendly touch screen interface allowing the operator to control the operation of the system and monitor all phases of system status. Through this interface the operator is also able to vary the oxygen content of the product gas in order to optimize product flow and purity for a wide variety of applications.
- No special foundations are required. Simply forklift in place onto solid floor and connect to electrical service and shop gas distribution system.

OPTIONS:

- Storage - Stand-Alone high pressure ASME-certified or DOT-approved cylinders and multiple-cylinder rack systems. Systems are available with nitrogen distribution panels for regulating downstream applications.
- Electrical - SNG-II systems are designed for running on a variety of electric power. Although the data listed herein is for standard 3 Phase 230 or 460 VAC/60Hz, operation can also accept 208 VAC and 50 Hz sources when required.

SYSTEM SPECIFICATIONS:

Continuous Output: Purity 99.5%

Gas Quality: -70° C Atmospheric Dew Point

Operating Environment: 32° F - 114° F (0° C - 45° C)



*Left Side View:
Booster Compressor Module Shown
with Access Panels Removed*



*Right Side View:
Feed Air Compressor Module Shown
with Access Panels Removed*

Model No.	NSN Stock No.	Power @ 3 Phase/60 Hz		Flow (scfm)	Max Psi	Dimensions	Weight/Lbs
SNGII-20410	3655-01-505-7602	230 VAC	82.5 FLA	8.0	5000	85L x 59W x 74H	2800
SNGII-20140	3655-01-505-7610	460 VAC	42.3 FLA	8.0	5000	85L x 59W x 74H	2800
SNGII-30415	3655-01-505-7637	230 VAC	121.8 FLA	13.0	5000	96L x 64W x 84H	3700
SNGII-30415	3655-01-505-7639	460 VAC	61.5 FLA	13.0	5000	96L x 64W x 84H	3700
SNGII-40815	3655-01-505-7630	230 VAC	158 FLA	25.0	5000	96L x 64W x 84H	3800
SNGII-40815	3655-01-505-7616	460 VAC	79 FLA	25.0	5000	96L x 64W x 84H	3800
SNGII-15367	3655-01-505-7686	230 VAC	65.1 FLA	8.0	6000	85L x 59W x 74H	2700
SNGII-15367	3655-01-505-7686	460 VAC	32.6 FLA	8.0	6000	85L x 59W x 74H	2700
SNGII-40820	3655-01-505-7652	230 VAC	166 FLA	25.0	6000	96L x 64W x 84H	3800
SNGII-40820	3655-01-505-7658	460 VAC	83 FLA	25.0	6000	96L x 64W x 84H	3800