

SNG SERIES II NITROGEN GENERATOR

Turn-Key Systems for the On-Site Generation of Compressed, High Purity Nitrogen Gas for Industrial and Military Applications

The BAUER SNG Series II Nitrogen Generators is a self-contained, fully integrated, modular system that eliminates the hazards involved with the handling of high pressure cylinders as well as the burden of merchant supplied nitrogen gas.

• Nitrogen Generation System

The BAUER SNG Series II Nitrogen Generators are complete systems designed for the on-demand supply of nitrogen gas, utilizing BAUER rotary screw compressors, a nitrogen separation module, and an integrated BAUER reciprocating compressor to supply product gas at up to 6000 PSI.

• High Pressure Compressor

BAUER High Pressure Compressors are multistage reciprocating compressors that can deliver nitrogen at pressures ranging from 2000 PSI up to 6000 PSI to either a gas storage system or directly to gas assist control units.

• Nitrogen Separation Module

The BAUER SNG Series II Nitrogen Generators generates high purity nitrogen gas through membrane separation which allows for the rapid production of low cost, high purity nitrogen gas on demand at the point of use. Ambient air is compressed and supplied to the separator where water vapor, various gases such as O₂, CO₂, and hydrocarbons are released to atmosphere leaving high purity nitrogen gas.

• Gas Storage

BAUER recommends using a nitrogen gas storage system that also serves as a buffer to dampen compressor related pulses to the process. BAUER Nitrogen Gas Storage Systems offer a choice of either DOT or ASME approved cylinders to store nitrogen gas at pressures up to 6000 PSI.



for the Economic Supply
of High Purity Nitrogen Gas



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SNG Future
Modular Design

These systems incorporate a modular design installed on a single skid to allow for easy customization of the total system to meet specific design applications.

Standard Features

- Purity Up to 99.5% Nitrogen
- Pressures Up to 5000 PSI
- Models with Flow Rates from 17 SCFM to 27 SCFM
- A **UL**® Labeled Control Center with PLC Controller and Operator-Friendly Touch Screen Interface, which Allows for System Operational Control and Monitoring of All Phases of System Status, as well as Modification of Oxygen Content of Product Gas to Optimize Product Flow and Purity for a Wide Variety of Applications.
- BAUER Integrated Electric Motor Driven Feed Air Compressor – NO SHOP AIR REQUIRED
- BAUER Integrated Electric Motor Driven High Pressure Gas Booster Compressor
- High Durability Membrane Air Separators

- On-Line Percent Oxygen Monitor for Continuous Monitoring of Product Gas Purity
- A Single Skid that is Fork Lifiable, Incorporates Four OSHA Approved Machine/Leveling Feet, and Includes Storage Location for Common Maintenance Kits.
- 460 VAC, 3 Phase, 60 Hz Electrical Service

Optional Features

- Sound Attenuating Enclosure (85 dBA)
- Stand-Alone High Pressure DOT or ASME Storage Cylinder and Rack Systems
- Pressures to 6000 PSI
- Non-Standard Voltages and Frequencies

MODEL	NITROGEN PURITY (%) / PRODUCT FLOW (SCFM)			WORKING PRESSURE (PSIG)	DIMENSIONS L - W - H (INCHES)
	UP TO 98%	99%	99.5%		
SNG II - 20410	16.5	11.0	8.0	5000	98 - 64 - 73
SNG II - 30415	26.0	18.0	13.0	5000	98 - 64 - 73
SNG II - 40815	27.0	26.0	25.0	5000	98 - 64 - 73

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