



# SNG II<sup>®</sup>

LEARN MORE AT: [www.BauerComp.com](http://www.BauerComp.com)

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# SNGII<sup>®</sup>

## Stationary Nitrogen Generation System



## STANDARD SCOPE OF SUPPLY

- › Feed air compressor, single-stage air cooled, oil-injected, continuous-duty rotary screw compressor
- › High pressure multi-stage reciprocating booster, air-cooled, pressure lubricated, continuous-duty rated
- › High durability membrane air separators
- › Electric motors for each compressor with v-belt drive, belt guard and belt tensioning device
- › Automatic condensate drain with collector (includes switch for high condensate level)
- › **UL®** labeled Control Panel with PLC controller. Includes touchscreen interface (for operation, maintenance and troubleshooting)
- › In-line percent oxygen analyzer
- › Pressure sensors for oil and final product pressure
- › Sound attenuated enclosures for compressors and membrane module ( $\geq 85$  dBA)
- › Ambient temperature range 40° to 113°F (4.4° to 45°C)
- › 24 month warranty, lifetime support guarantee



- 1** BAUER HIGH PRESSURE BOOSTER COMPRESSOR
- 2** SOUND-ATTENUATED POWDER-COATED CARBON-STEEL ENCLOSURES
- 3** HIDDEN STORAGE FOR COMMON SPARES
- 4** PRECISION FORMED POWDER-COATED STEEL SKIDS AND SUPPORT STRUCTURES
- 5** MEMBRANE PREFILTRATION SYSTEM (Particulate, Moisture & Hydrocarbon)
- 6** BAUER LOW PRESSURE FEED AIR COMPRESSOR
- 7** ELECTRIC CONTROLS WITH TOUCH SCREEN HMI
- 8** NITROGEN GENERATION MEMBRANE BUNDLE
- 9** OXYGEN ANALYZER

### SOUND LEVEL (FROM CONTROL PANEL)

- ›  $\leq 30$  hp, 70 dBA  $\pm 2$  dBA
- ›  $> 30$  hp, 79 dBA  $\pm 2$  dBA

## TECHNICAL DATA

Model	Nitrogen Flow at 99.5% Purity <sup>2</sup>		Nitrogen Flow at 99.0% Purity <sup>2</sup>		Nitrogen Flow at 98.0% Purity <sup>2</sup>		Motor	
	SCFM <sup>1</sup>	M <sup>3</sup> /HR	SCFM <sup>1</sup>	M <sup>3</sup> /HR	SCFM <sup>1</sup>	M <sup>3</sup> /HR	hp	kW
<b>5000 PSIG (345 BAR)</b>								
SNGII-20410	7	11.9	11	18.7	14	23.8	30	22
SNGII-30615	16	27.2	19	32.3	24	40.8	45	34
SNGII-40815	22	37.4	24	40.8	25	42.5	55	41
<b>6000 PSIG (414 BAR)</b>								
SNGII-40820	18	30.6	18	30.6	18	30.6	60	45

1) Capacity (FGD) is referenced to standard conditions. Tolerance +/- 5%.

2) Purity reflects content of O<sub>2</sub>-free gas produced.

Dimensions and weight are approximate.

## BENEFITS

- › **Our self-contained, fully-integrated systems** do not require external utility for operation and eliminate the hazards involved with both the handling of high-pressure cylinders and the burden of merchant-supplied bulk gas.
- › **Guaranteed performance** engineered for reliable operations in any industrial setting.
- › **Compact footprint** provides superior flexibility by minimizing space requirements.
- › **Turnkey package** with an incorporated air source eliminates the need for external inputs for operation; full-sound attenuation allows for safe operation below OSHA safety requirements.
- › **Adding a central BAUER Nitrogen Generation System** can supply enough gas to support multiple processes.

- 10** OUTLET REGULATION PANEL
- 11** PRECISION FORMED POWDER-COATED STEEL SKIDS AND SUPPORT STRUCTURES
- 12** HIGH PRESSURE UN/ISO OR ASME RATED STORAGE VESSELS
- 13** MODULAR STORAGE RACKS
- 14** SAFETY RELIEF VALVES AND ISOLATION VALVES FOR EACH HP STORAGE VESSEL



Nitrogen storage assembly configured for up to twelve (12) high pressure UN/ISO or ASME storage vessels.

## AVAILABLE ACCESSORIES

- › Portable Percent Oxygen Monitor
- › CE-Compliance
- › TEFC Motors
- › Second Language For Controls/Documentation
- › Marine/Offshore Coating And Surface Preparation

## DIMENSIONS L x W x H inches (mm)

- SNGII-204 10** › 85" x 59" x 74" (2159 x 1499 x 1880)
- Other Unit Types** › 96" x 64" x 84" (2426 x 1626 x 2116)

## WEIGHT pounds (kg)

- SNGII-204 10** › 2800 (1270)
- Other Unit Types** › 3800 (1418)

## TECHNICAL DATA

Storage Pressure		Nitrogen Volume
5000 PSIG	ASME	5000 SCF
	UNI/ISO	5470 SCF
6000 PSIG	ASME	5700 SCF
	UNI/ISO	5925 SCF

## CUSTOMER SUPPORT



GLOBAL SUPPORT



SINGLE SOURCE RESPONSIBILITY



LOW COST OF OWNERSHIP



LIFECYCLE PERFORMANCE

FOR MORE INFORMATION PLEASE VISIT:

[www.BauerCustomerSupport.com](http://www.BauerCustomerSupport.com)

