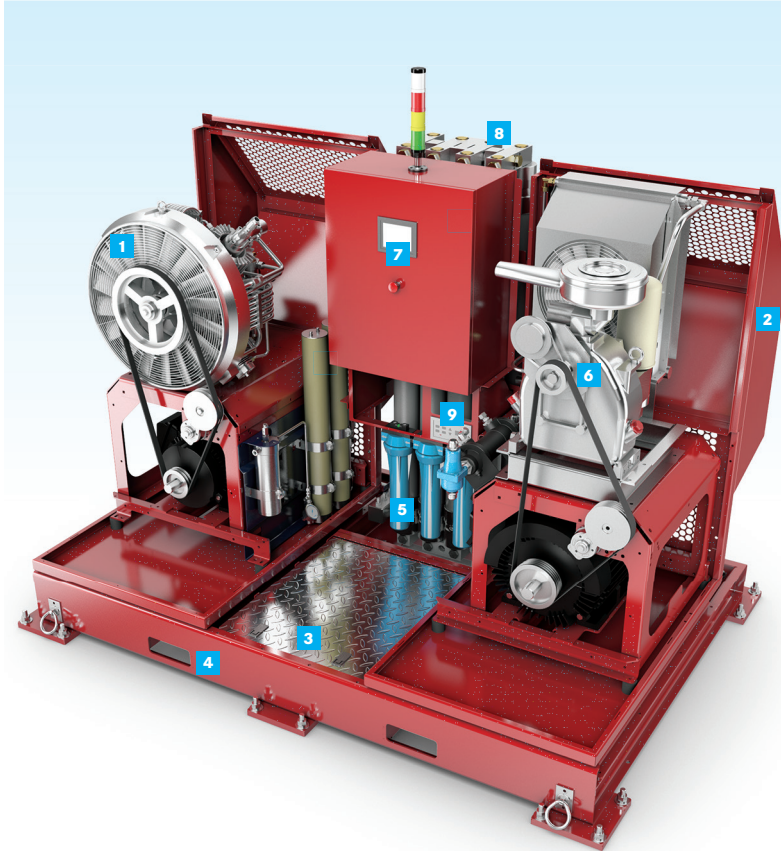


**SNGII®**  
Stationary Nitrogen Generation System



## 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 (≥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
- 6 MEMBRANE PREFILTRATION SYSTEM (Particulate, Moisture & Hydrocarbon)
- 7 ELECTRIC CONTROLS WITH TOUCH SCREEN HMI
- 8 NITROGEN GENERATION MEMBRANE BUNDLE
- 9 OXYGEN ANALYZER

### SOUND LEVEL (FROM CONTROL PANEL)

- › ≤ 30 hp, 70 dBA ± 2 dBA
- › > 30 hp, 79 dBA ± 2 dBA

## 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.

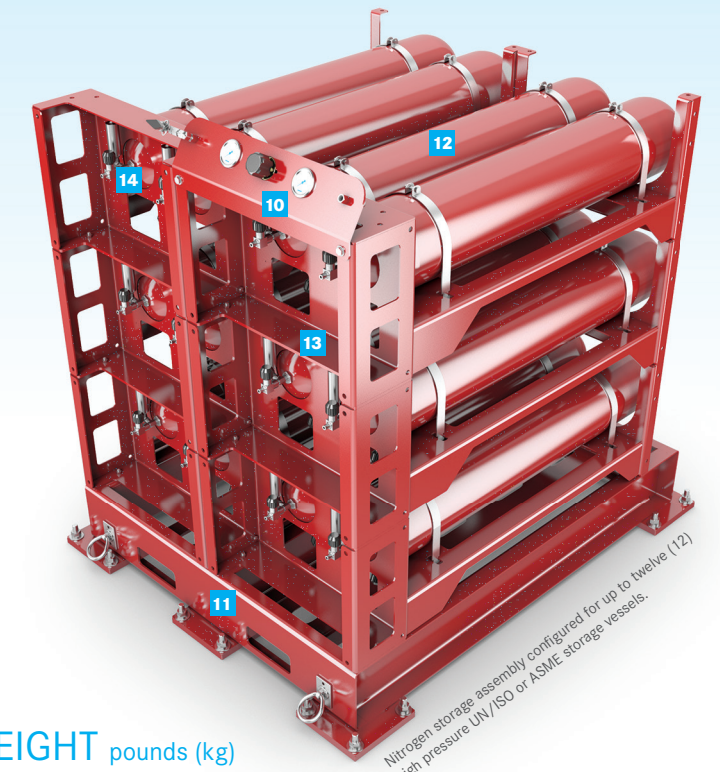
- 10 OUTLET REGULATION PANEL
- 11 PRECISION FORMED POWDER-COATED STEEL SKIDS AND SUPPORT STRUCTURES
- 12 HIGH PRESSURE UN/ISO OR ASME RATED STORAGE VESSELS
- 13 MODULAR STORAGE RACKS
- 14 SAFETY RELIEF VALVES AND ISOLATION VALVES FOR EACH HP STORAGE VESSEL

## 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

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.

## TECHNICAL DATA

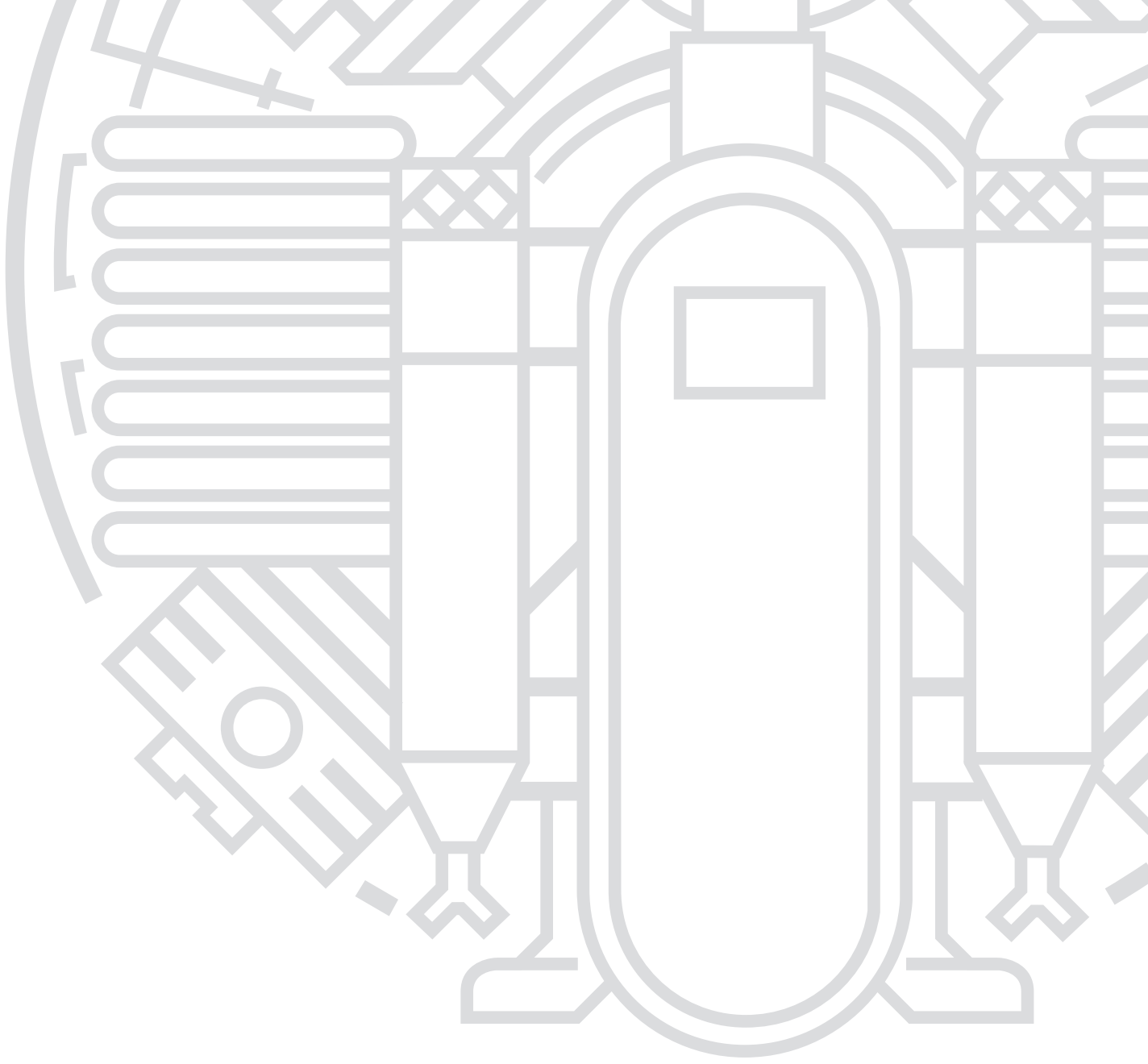
Storage Pressure	Nitrogen Volume
<b>5000 PSIG</b>	ASME 5000 SCF
	UNI/ISO 5470 SCF
<b>6000 PSIG</b>	ASME 5700 SCF
	UNI/ISO 5925 SCF

## 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)





# SNG II®

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

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Subject to technical changes