



## Nitrogen Generators

### NG Series Modular Bank PSA

U.S. Patented PSA Technology



Generon NG Series offers a remarkably small footprint versus other pressure swing adsorption nitrogen generation technology on the market. Designed to fit your application, the NG Industrial Series and NG Lab Series Modular Bank PSAs are available in 10 standard configurations to deliver your specified purity, flow, and pressure. Generon is passionate about eliminating safety hazards, storage requirements, and continuous costs of liquid nitrogen or bottled gas through on-premise nitrogen generation. Autonomous, cost-saving, on-premise nitrogen generation is easier than ever with the NG Series.



#### The NG Series Nitrogen Generators offer world class features:

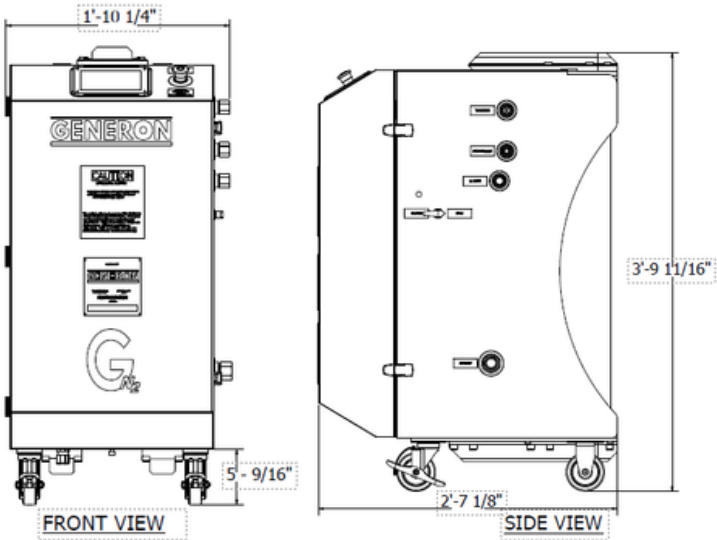
- 7" Advanced PLC with touch screen operation
  - Displays – Inlet / outlet pressures
  - Product purity
  - Graphical display of system operation
- Data logging of key system parameters with ability to down data via SD device
- Modbus TCP communications via RJ45 ethernet port
- Nitrogen Purities to 99.999%
- 5-year Long Life integrated Zirconia Oxygen Analyzer
- Built-in auto-standby for energy savings
- System instantly at purity after the prior day shut down
- Unique field expandable multi bank design to grow as you do
- Designed for simple maintenance with all switching valves designed for minimum 1 million cycles
- High efficiency design with no piping losses utilizing Generon's Opti Block design
- Generon backs its product with an industry leading 2-year warranty

All NG Series Nitrogen Generators are Proudly made in the USA

U.S. Patent No. 12,551,838 B2

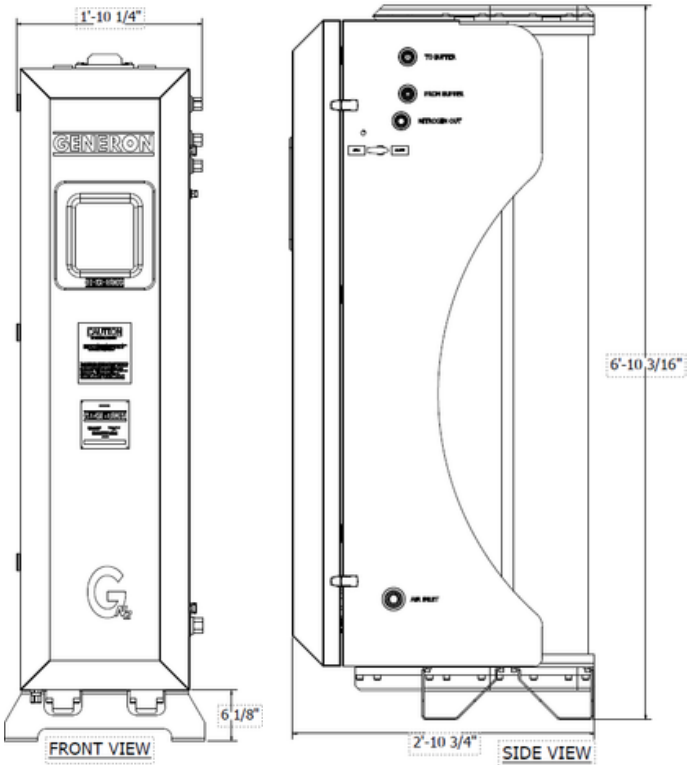
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NG Lab Series



\*1-Bank system shown. Add 10" to the length for each subsequent bank addition.

NG Industrial Series



\*2-Bank system shown. Add 10" to the length for each subsequent bank addition.

|                         |                                              |                                     |
|-------------------------|----------------------------------------------|-------------------------------------|
| General Characteristics | Rated Capacity (scfh) @ 95% - 99.999%        | 61 - 7,389                          |
|                         | Absorbed power (watts)                       | 240                                 |
|                         | Power supply (VAC / hz)                      | 120 / 60                            |
| Operating Limits        | Design operating pressure range (psig)       | 70 - 150                            |
|                         | Design operating temperature range (°F)      | 41 - 140                            |
|                         | Recommended operating temperature range (°F) | 41 - 86                             |
| Media Chambers          | Material Construction                        | Aluminum                            |
|                         | Media type (CMS)                             | Carbon Molecular Sieve (CMS)        |
| Controls & Design       | Generator design                             | Pressure Swing Adsorption           |
|                         | Controller type                              | Programable Logic Controller (PLC)  |
|                         | Interface type (HMI)                         | Color Touch Screen                  |
|                         | Electrical rating                            | For Indoor / Safe Area Installation |
| Connections             | Compressed air inlet                         | 1"                                  |
|                         | Nitrogen outlet to buffer vessel (NPT)       | 3 / 4"                              |
|                         | Nitrogen return from buffer vessel (NPT)     | 3 / 4"                              |
|                         | Nitrogen outlet (NPT)                        | 3 / 4"                              |

(Standard conditions: Feed temperature @ 80°F, feed pressure of 110 psig at sea level.  
Flow pressure values are averages with tolerances of + / - 3%.