

nano N₂: On-Site Gas Generators

GEN₂ i4.0-3110

100-240 VAC/50 or 60 Hz - Nitrogen Generator

The nano GEN_2 i4.0 nitrogen generator is designed to deliver nitrogen gas at a specified purity, flow and pressure as required by the application. The nano GEN_2 i4.0 operates on the pressure swing adsorption principle, which allows for a continuous supply of nitrogen from clean dry compressed air. The nano GEN_2 i4.0 generator offers a cost-effective, reliable and safe alternative to the use of liquid or bottled nitrogen.

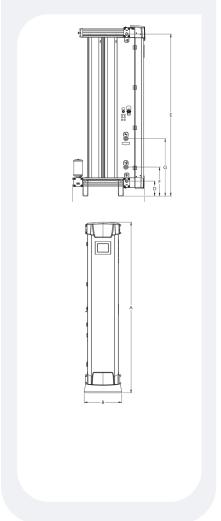


^{(1) 100} psig inlet pressure



Dimensions & Weight

DIMENSIONS AND WEIGHT	
A (ins)	48
B (ins)	16
C (ins)	37
Weight (lbs)	573



^{(2) 174} psig maximum pressure standard with 232 psig options avaliable in the USA.

GEN, i4.0: Nitrogen Generators

Features

- Reliable high performance piston valves
- Advanced PLC controller & touchscreen interface
- 174 psig maximum pressure standard with 232 psig option avaliable in the USA
- Integrated zirconia oxygen analyzer 5 year life
- · ecomode energy saving control as standard
- · 2 year warranty.
- Pressure equalization at column switchover increases outlet flow.

- Multi-bank design enables units to be added as needed.
- Mass flow controller & pressure regulator deliver precise pressure and flow.
- · Outlet purity valve guarantees nitrogen gas purity level to application.

Advanced PLC/ HMI features

- Large 5.7" touchscreen interface
- · Displays inlet and outlet pressure in psig or barg
- Recorded data can be downloaded via SD memory card or USB device
- · Low inlet & outlet pressure alarms
- Displays O₂ content with 4-20mA output signal as standard
- Select from multiple languages
- Optional purity dependent energy savings (PDES) saves compressed air.

- · Service performed and alarms are logged and recorded.
- Multi-bank design enables units to be added as needed.
- · Modbus TCP communications via RJ45 ethernet port

Technical specifications subject to change without notice. Publication Reference: GEN₂i4.0-3110-US-EN-Version-001 ©2025 Air & Gas Solutions LLC



