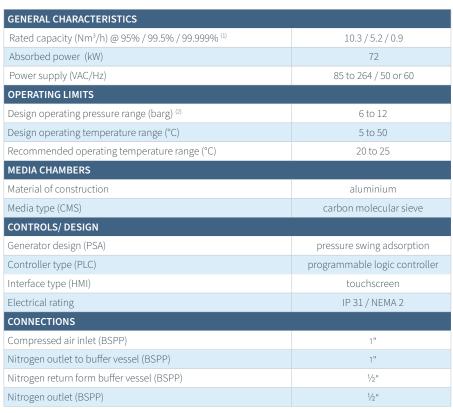


nano N₂: On-Site Gas Generators

GEN₂ i4.0-1110

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.

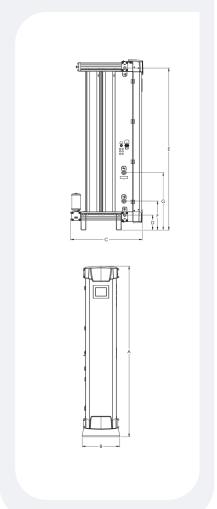


- (1) 7 barg inlet pressure
- (2) 12 barg maximum pressure standard with 16 barg option avaliable.



Dimensions & Weight

DIMENSIONS AND WEIGHT	
A (mm)	1223
B (mm)	400
C (mm)	605
Weight (kg)	158



GEN₂ i4.0: Nitrogen Generators

Features

- Reliable high performance piston valves
- Advanced PLC controller & touchscreen interface
- 12 barg maximum pressure standard with 16 barg option avaliable
- Integrated zirconia oxygen analyser 5 year life
- · ecomode energy saving control as standard
- · 2 year warranty
- · Pressure equalisation 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 barg or psid
- Recorded data can be downloaded via SD memory card or USB device. Modbus TCP communications via RJ45 ethernet port
- 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.

Technical specifications subject to change without notice. Publication Reference: GEN₂i4.0-1110-UK-EN-Version-000 ©2025 Air & Gas Solutions LLC



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