

Precision Nitrogen 1000

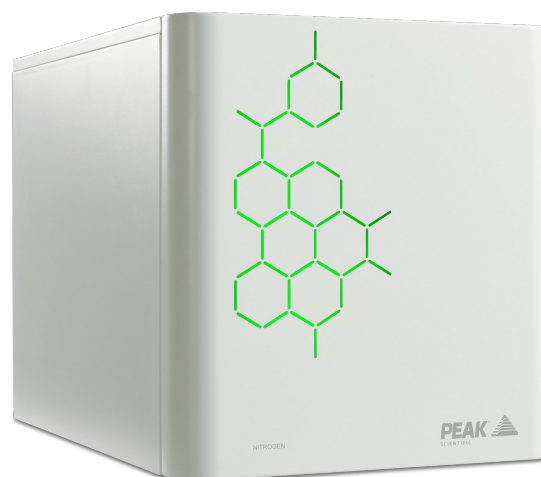
Part number: 61-1000



Description

Precision Nitrogen 1000 has been developed to provide a constant and consistent source of nitrogen for detector make-up gas for GC applications, as well as headspace vial pressurization, purge and trap, tube conditioning for thermal desorption and sample preparation. These generators are capable of delivering high purity nitrogen, removing oxygen and moisture via Pressure Swing Adsorption and Carbon Molecular Sieve technology.

As with all Precision Series generators, nitrogen models benefit from a compact and modular, stackable design, minimizing the total footprint required for GC gas supply, and providing flexibility to add or remove modules as your laboratory requirements evolve over time.



Application Types

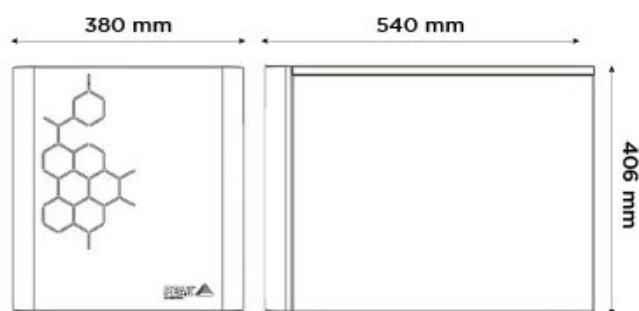
GC Detector Gas

Generator Details

- **Gas types:** Nitrogen
- **Integrated compressor:** No

Key Features

- Suitable as make-up gas at standard detection limits
- Nitrogen generated on demand, as and when it is required
- Constant and consistent supply, avoid running out of gas during analysis
- Avoid contaminants entering system as result of changing over empty cylinders
- Dedicated precision compressor module available where house supply not available
- Integrates seamlessly with other Precision units
- Ultra-fast start-up time, quick to reach standard operating purity
- Minimum maintenance with an annual filter change
- Compact, space-saving modular design
- 12 month comprehensive on-site warranty



Technical Specifications

Precision Nitrogen 1000 - N2 generators	
Gas Type	Nitrogen
Max Gas Flow:	1000cc/min
Max Output Pressure:	80psi/5.5bar
Max Output Pressure:	80psi/5.5bar
Max Purity:	99.9995%
Min Inlet Pressure:	100psi/6.9bar
Max Inlet Pressure:	120psi/8.3bar
Min Inlet Air Quality:	ISO 8573-1:2010 Class 1.4.1 or Precision Air Compressor
Start Up Time:	90 mins
Voltage:	100-240 ± 10% V
Frequency:	50 / 60 Hz
Current:	0.2 - 0.4 A
Max Operating Temp:	35°C / 95°F
Accreditations:	CSA, CE
Size (HxWxD) mm	256 x 375 x 540 mm
Size (HxWxD) Inches	10.1 x 14.8 x 21.3 inches
Generator Weight	26kg / 57.2lbs

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Peak Scientific gas generators define the benchmark in reliability, convenience and performance in laboratories around the world, and come backed with a 12 month warranty. Beyond this period however you can ensure that your investment continues to be **[Protected]** by our comprehensive generator care cover.

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