Genius 1053

High purity nitrogen generator for labs

Part Number: 10-9561 Service Kit: See Reverse



Your local **gas generation** partner

Description

Producing up to 20 L/min of high purity nitrogen (up to 99.995%), the Genius 1053 is suitable for many laboratory applications. Developed using PSA (Pressure Swing Adsorption) technology, this generator produces a consistent purity of gas and is highly robust against changing laboratory conditions.

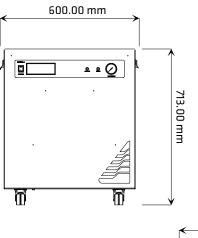
Reducing the need for gas cylinders, house air or an external compressor, Genius series gas generators contain internal compressors to provide your laboratory with a standalone, uninterrupted supply of laboratory grade nitrogen.

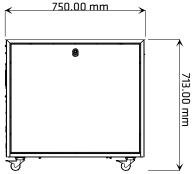
* Depending on outlet flow.



Applications

 Circular Dichroism Spectrometers, MP-AES Monochromator gas, TGA, DSC, ICP-OES





Key Features

- Innovative CMS and PSA technology ensures high performance
- Compressor based solution, no need for an external air supply
- Minimal set-up required
- Highly economical source of nitrogen gas with low lifetime running costs
- The latest generation of compressors located in an insulated chamber reducing noise and vibration
- Service indication to allow planning of preventative maintenance
- Gas is supplied on demand so generator works to your schedule
- Wheels make it easy to manoeuvre generator around the lab
- 12 month comprehesive on-site warranty

Genius 1053Dimensions

| Technical Specifications | Genius 1053 |
|------------------------------|--|
| Max Flow Rate | up to 20 L/min / 0.70 CFM |
| Max Pressure | 100 psi / 6.9 bar |
| Purity | up to 99.995%* |
| Max Relative Humidity | 80% Non-Condensing |
| Max Altitude | 2000m |
| Particles | <0.01µm |
| Gas Outlets | 1x 1/4" BSPP |
| Phthalates | None |
| Suspended Liquids | None |
| Operating Temperature | 5°C - 35°C / 41°F - 95°F |
| Electrical Requirements | 230 ± 10%V 50 / 60 Hz 7A |
| Power Consumption | 1.59kVA |
| Generator Dimensions (HxWxD) | 713 x 600 x 750 mm/28.1 x 23.6 x 29.5" |
| Generator Weight | 120.5 kg (265.7 lbs) |

^{*} depending on outlet flow.

| Ordering Information | |
|---|---------------------------------|
| Part Number | 10-9561 |
| Annual Service | |
| Standard Maintenance Plan | www.peakscientific.com/ordering |
| Complete Maintenance Plan | |
| Step-Up Transformer For Use With 208V Electrical Supply | 06-3200 |

[PEAK Protected][™]

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

Our world-class aftercare support packages deliver a program of scheduled preventative maintenance whilst giving you the reassurance of instant access to worldwide technical support and priority on-site response in the untimely event of a breakdown.

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Peak Scientific's Quality Management System conforms to: ISO:9001:2008



