

# 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.

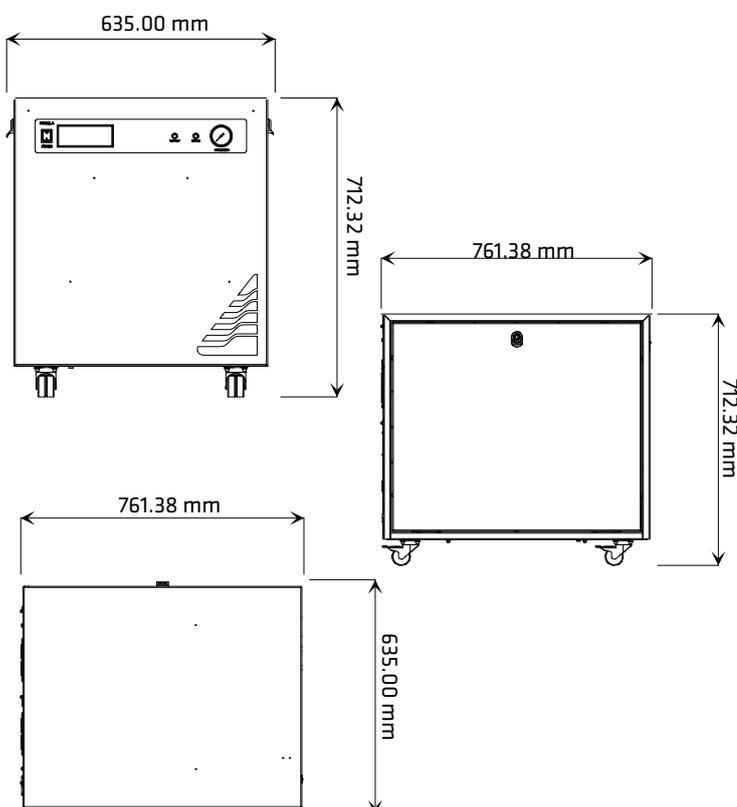
Reducing the need for gas cylinders, house air or an external compressor, Genius series gas generators contain internal compressors to provide your laboratory with a standalone, uninterrupted supply of laboratory grade nitrogen.

\* Depending on outlet flow.



### Applications

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



Genius 1053 Dimensions

### 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 comprehensive on-site warranty

## 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	<a href="http://www.peakscientific.com/ordering">www.peakscientific.com/ordering</a>
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.

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



## Product Certifications

