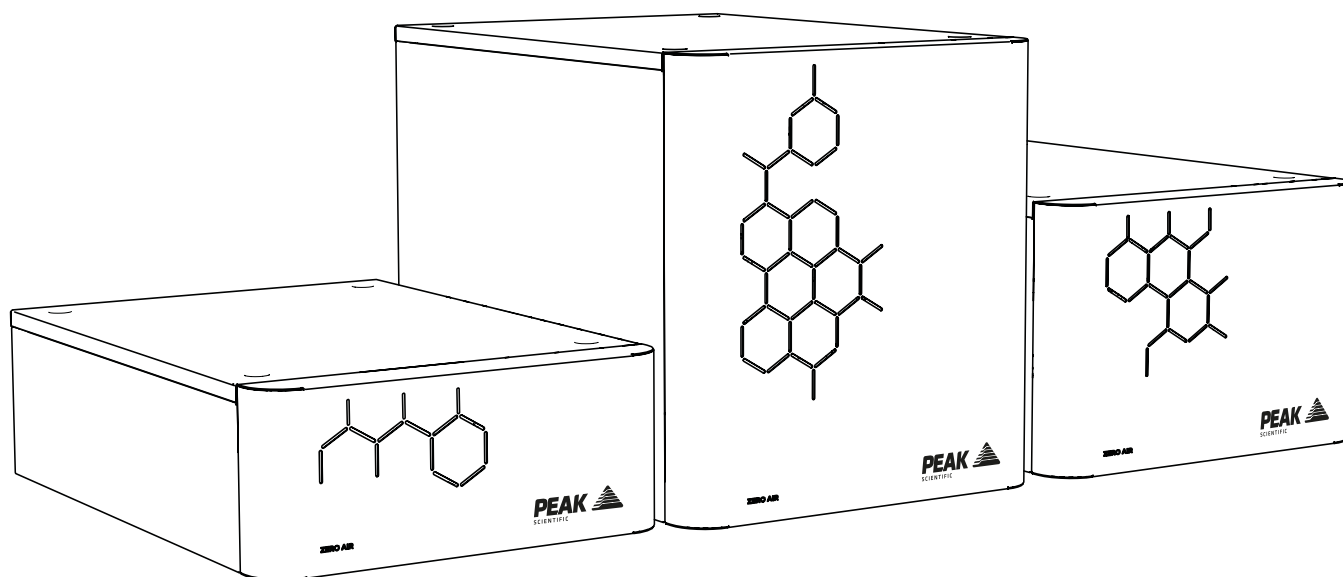


# Precision Zero Air Series (All Models)

## Installation Guide



## Change History

| Rev | Comment                     | Name | Date       |
|-----|-----------------------------|------|------------|
| 3   | Cleaning Information Update | LC   | 28/02/2018 |
| 4   | Cleaning Information Update | LC   | 20/11/2020 |
|     |                             |      |            |
|     |                             |      |            |

## How to use this Manual

This installation guide is intended to be used as a step by step, quick start guide, to facilitate installation and configuration.

**Please visit [www.peakscientific.com/downloads](http://www.peakscientific.com/downloads) to download the full User Manual for your gas generator.**




Thank you for selecting Peak Scientific to meet your Gas Generation needs, and should you require any further assistance or support please do not hesitate to contact Peak Scientific or Peak Partner from which you purchased your Generator.

# Safety Notices

Peak Scientific Instruments cannot anticipate every possible circumstance which may represent a potential hazard. The warnings detailed within this document detail the most known potential hazards, but by definition cannot be all inclusive. If the user employs an operating procedure, item of equipment or a method of working which is not specifically recommended by Peak Scientific, the user must ensure that the equipment will not be damaged or become hazardous to persons or property.

## Symbols

This document uses the following symbols to highlight specific areas important to the safe and proper use of the Generator

|  |   |
|--|---|
| <br>WARNING | A WARNING notice denotes a hazard. It calls attention to an operating procedure, process or similar, which if not correctly performed or adhered to, could cause personal injury or in the worst case death. Do not proceed beyond a WARNING notice until the indicated conditions are fully understood or met. |
| <br>CAUTION | A CAUTION notice denotes a hazard. It calls attention to an operating procedure, process or similar, which if not correctly performed or adhered to, could cause damage to the Generator or the Application. Do not proceed beyond a CAUTION notice until the indicated conditions are fully understood or met. |
|           | Caution, risk of electric shock. Ensure power to the Generator has been removed before proceeding.  |

## Safety Notice to Users



These instructions must be read thoroughly and understood before installation and operation of your Peak Precision Zero Air Series Generator. Use of the Generator in a manner not specified by Peak Scientific MAY impair the SAFETY provided by the equipment.

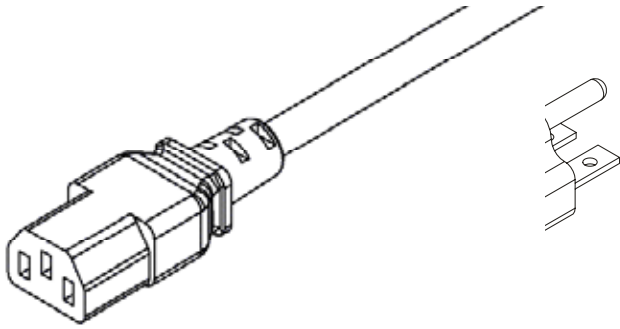


When handling, operating or carrying out any maintenance, personnel must employ safe engineering practices and observe all relevant local health and safety requirements and regulations. The attention of UK users is drawn to the Health and Safety at Work Act 1974, and the Institute of Electrical Engineers regulations.



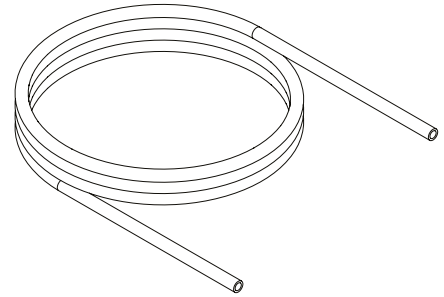
If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

# Fittings Kit



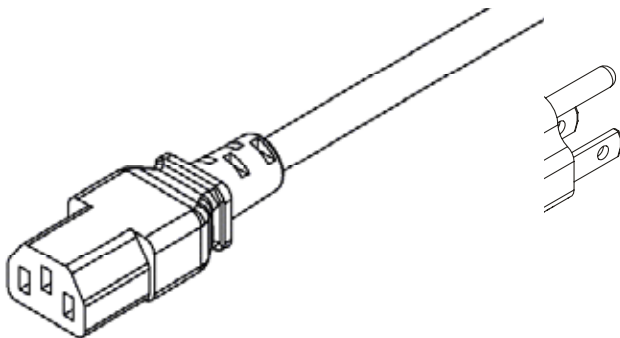
**x1**

US Mains Cable C13 6-15 04-1029



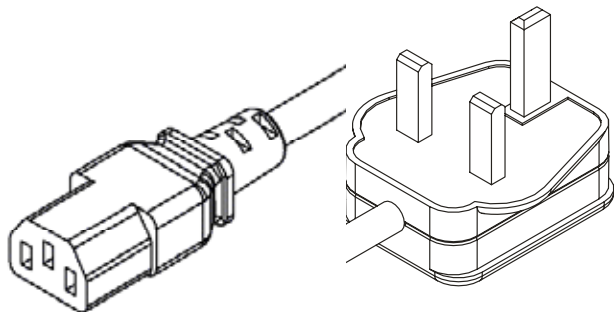
**x3m**

1/4" Teflon Tubing 00-1266



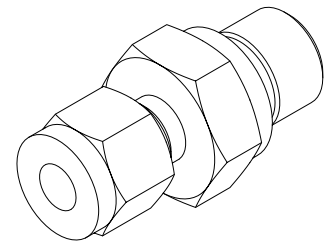
**x1**

US Mains Cable C13 5-15 04-1039



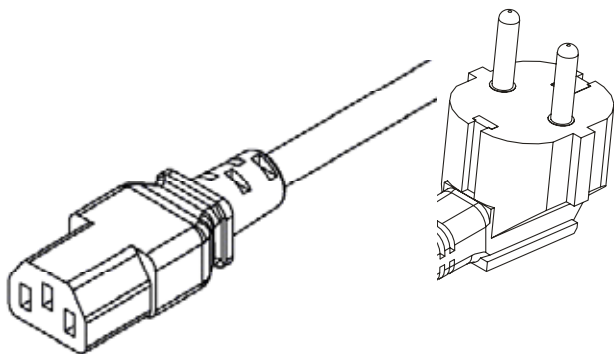
**x1**

UK Mains Cable C13 04-1028



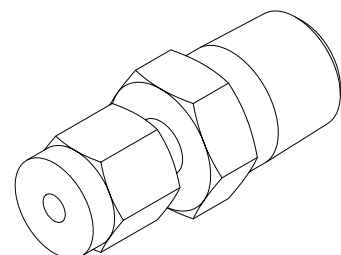
**x1**

1/4" x 1/4" Compression Fitting 02-4421



**x1**

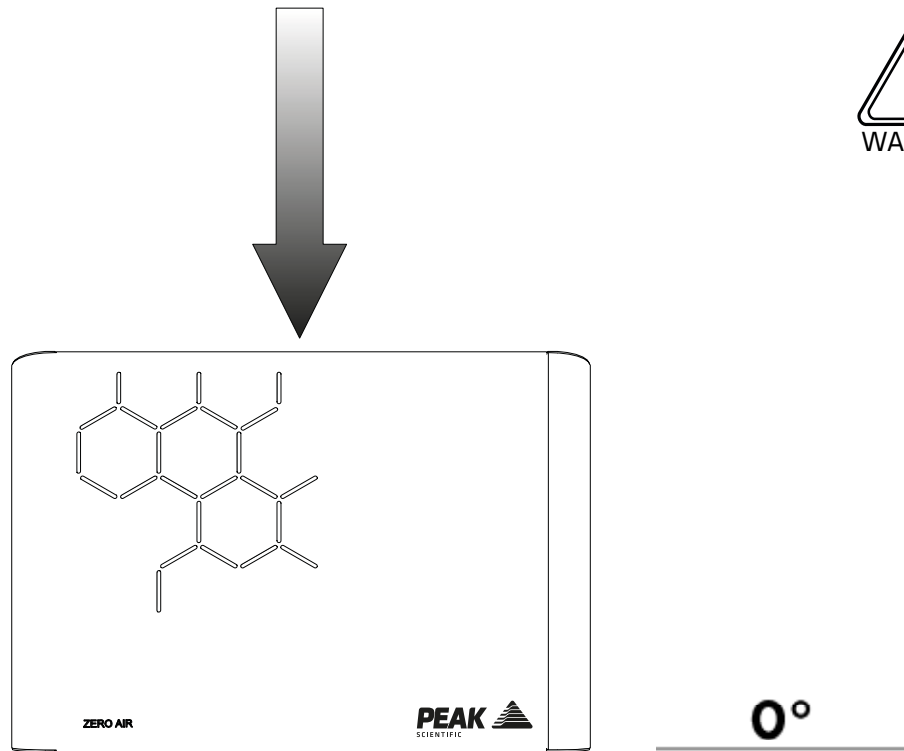
EU Mains Cable C13 04-1038



**x1**

1/4" x 1/8" Compression Fitting 02-1000

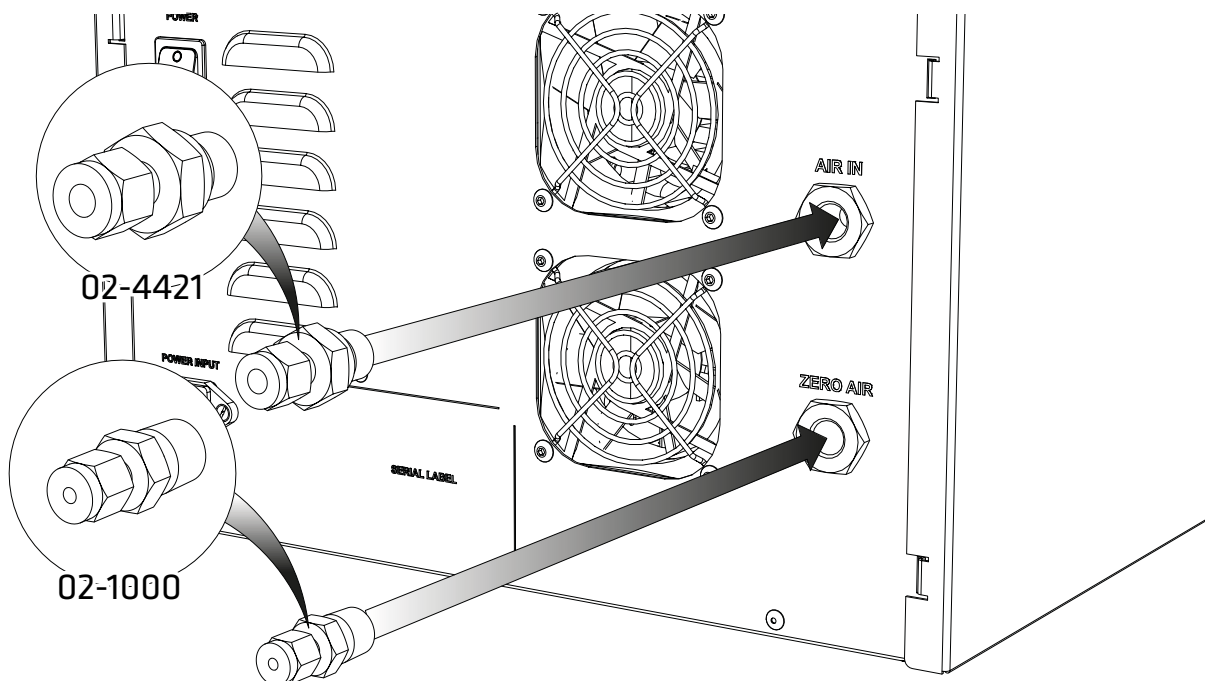
1.



Unpack the generator from the shipping crate and position on a flat surface, in desired area.

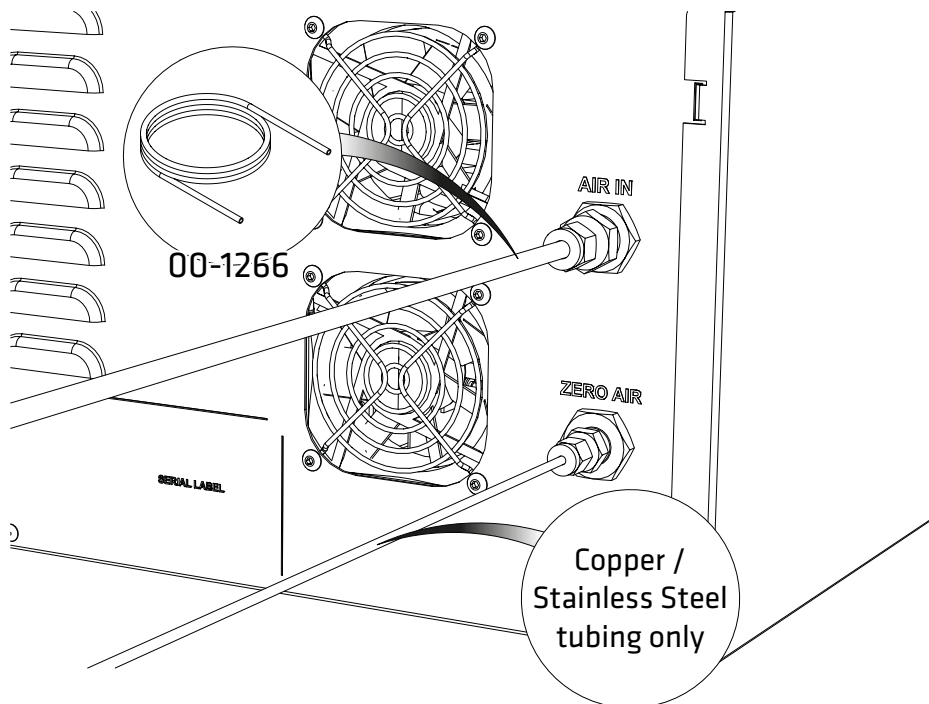
**WARNING** the weight of the unit constitutes a two man lift. Safe lifting practices are advised.

2.



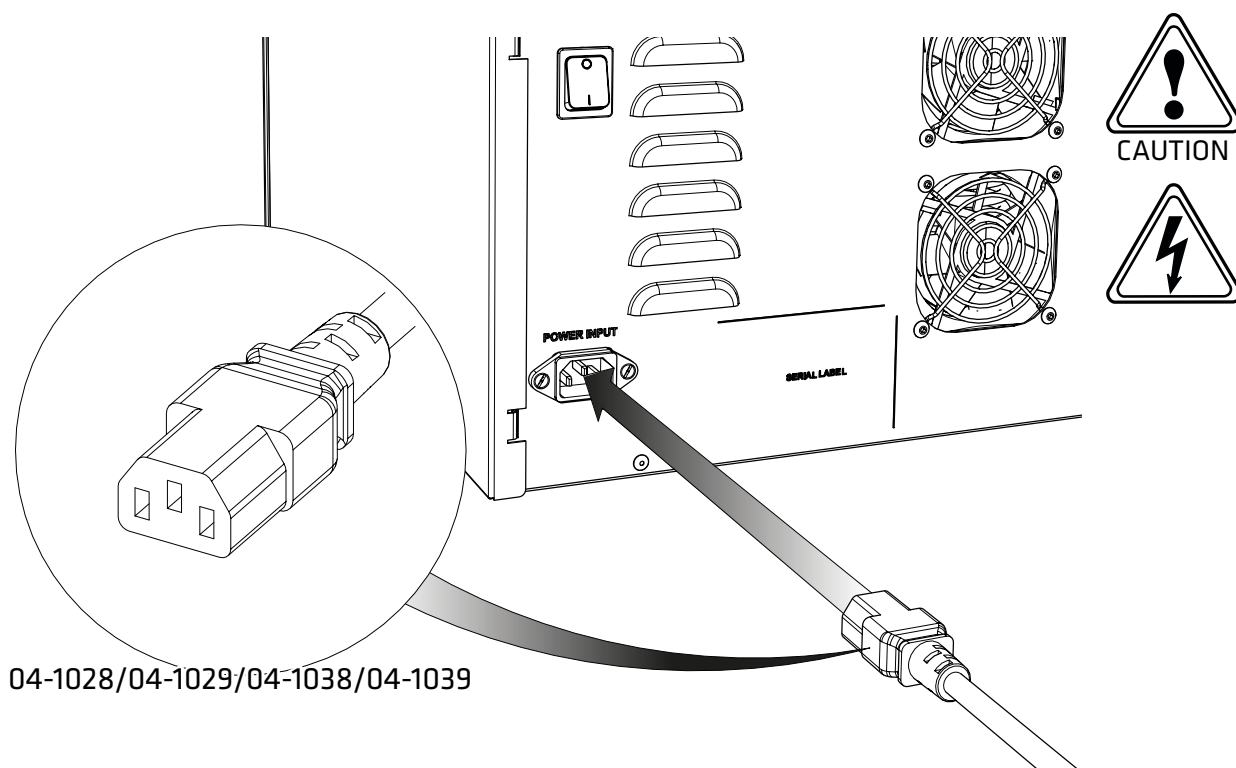
Select the  $\frac{1}{4}$ " x  $\frac{1}{4}$ " and  $\frac{1}{4}$ " x  $\frac{1}{8}$ " **Compression Fittings** and attach to the **AIR IN** and **ZERO AIR** ports respectively.

3.



Connect the supplied  $\frac{1}{4}$ " **Teflon Tubing** to the **AIR IN** port. Connect appropriate  $\frac{1}{8}$ " tubing, greater than 1m in length, to the generators **ZERO AIR** port. **Please note: Only Copper or Stainless Steel tubing should be connected to the ZERO AIR port.**

4.

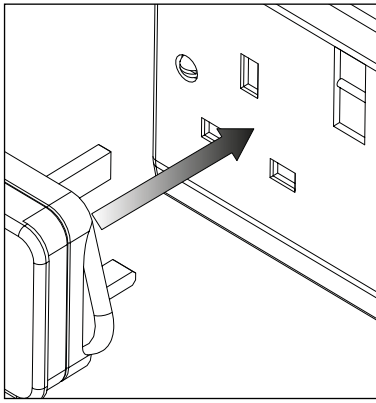


Select the appropriate mains cable from the fittings kit and plug the **IEC 60320/C13** cable into the mains input at the rear of the generator.

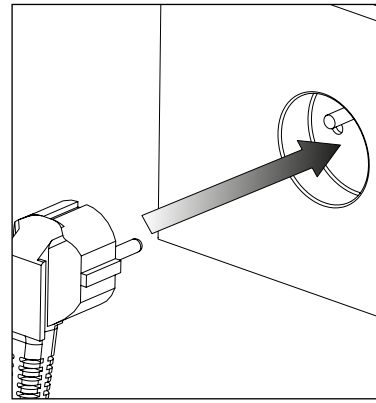
**Please note both 110V and 230V US cables have been supplied, ensure correct mains cable is used to match the rating on the generators serial plate.**

5.

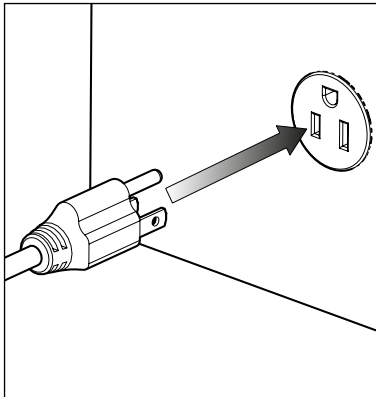
UK



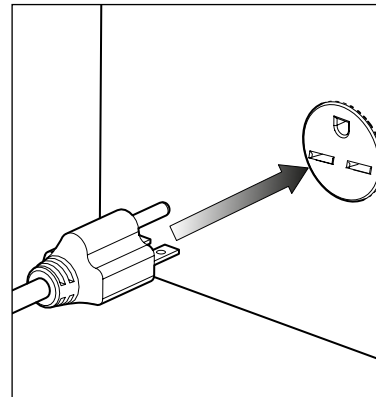
EU



US  
110V



US  
230V

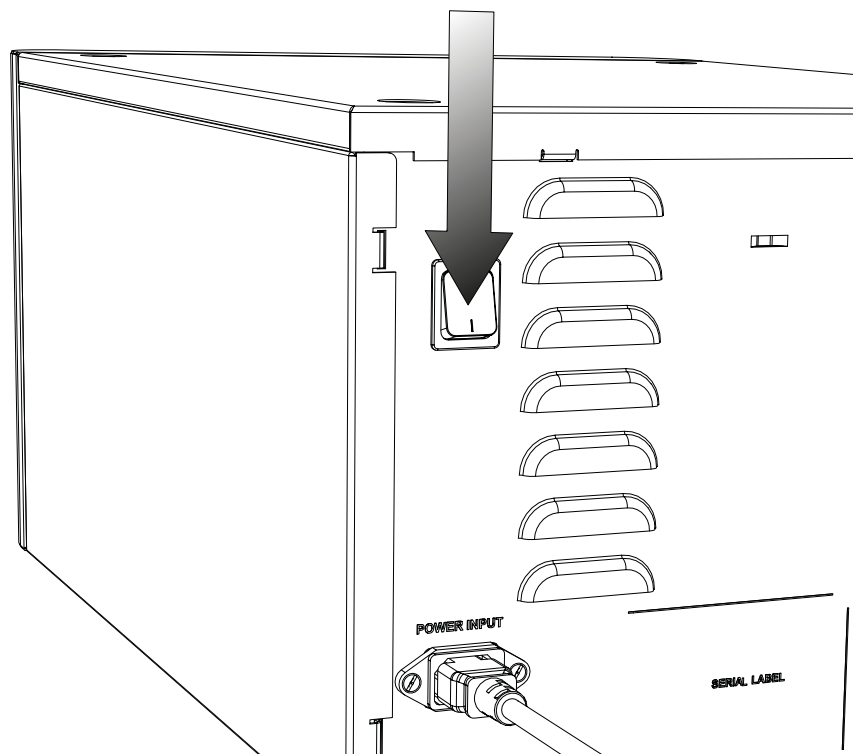


110VAC 50/60Hz OR 230VAC 50/60Hz

Plug the mains cable into the corresponding **110VAC 50/60Hz OR 230VAC 50/60Hz** single phase power supply.

**CAUTION** ensure the correct cable has been selected for your electrical supply

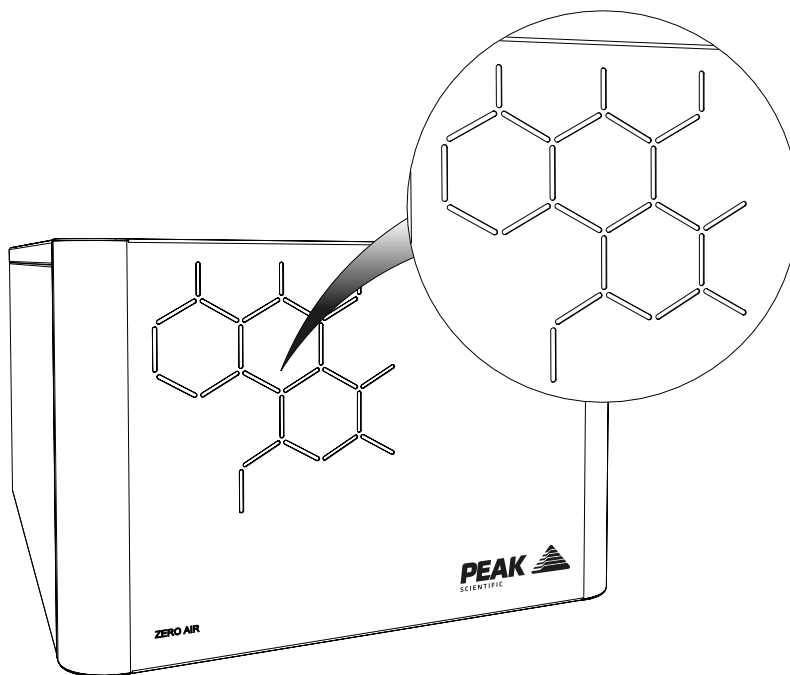
6.



Press the **POWER** switch located at the rear of the generator.

7.

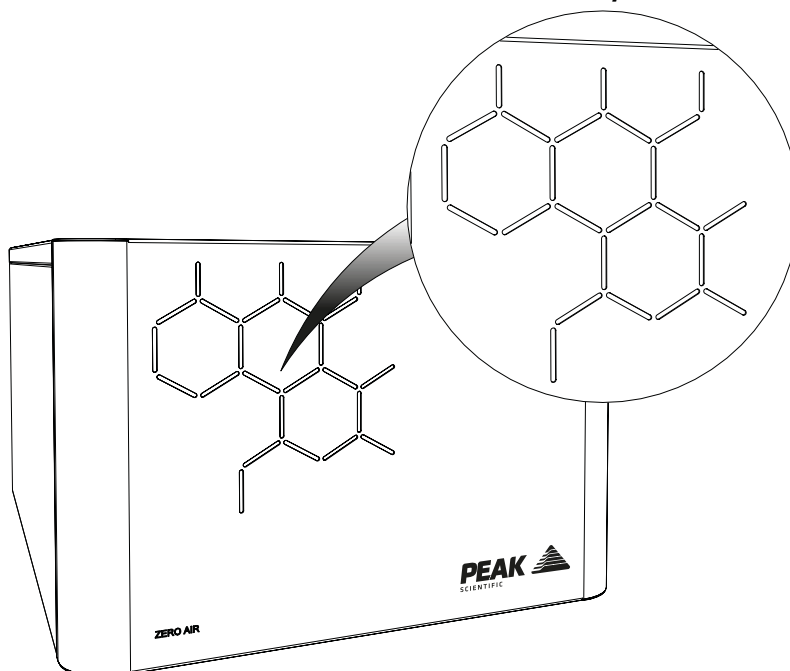
YELLOW for 60 Minutes



The **LEDs** on the front of the generator should now illuminate **YELLOW** as the unit starts up.

8.

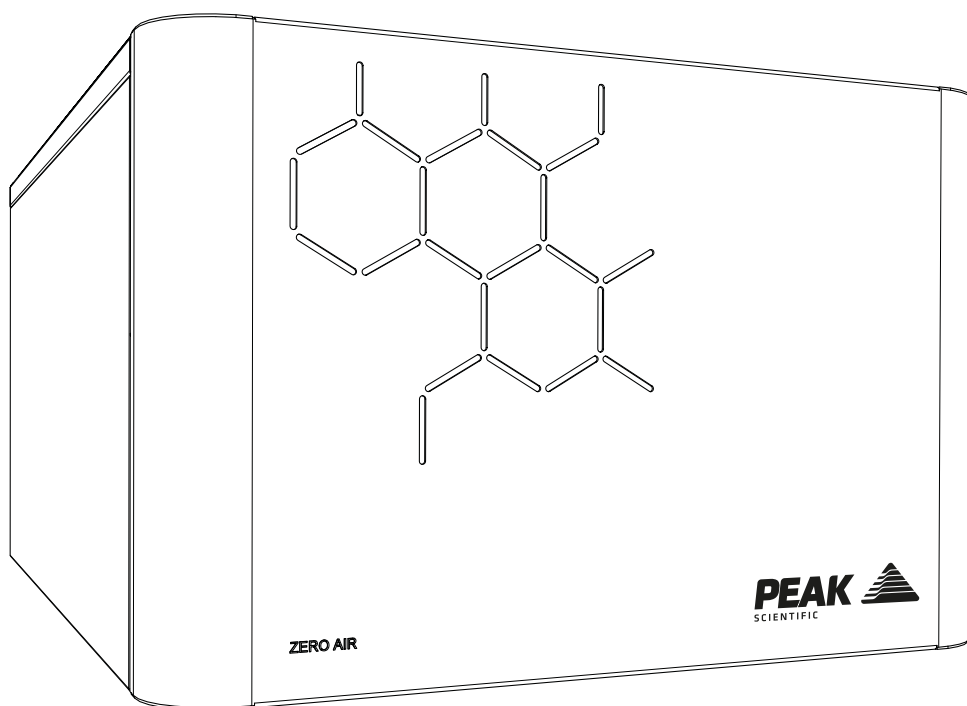
GREEN / BLUE



After approximately **60 minutes** the **LEDs** will illuminate **GREEN** or **BLUE (70-\*\*\*\* Part Numbers Only)** to indicate that the generator is now ready to use.



9.



## CONGRATULATIONS

Your **Peak Scientific** gas generator is now fully installed, operational and ready to supply gas on demand to your instrument.

## General Notes

\* Electrical requirements are 110 or 230VAC nominal +/- 10% depending on chosen model. However, running continuously at voltages outwith this is not recommended. Extended periods at extremes can have a detrimental effect on the operation and life of the Generator.

Chlorine-based bleaches/cleaning solutions should not be used on the generators, nor should they be contained within the same room as the generators or their compressed air supply as this can cause internal and external corrosion of these generators.

Please familiarise yourself with the full **User Manual** available at **[www.peakscientific.com/downloads](http://www.peakscientific.com/downloads)** This includes all other technical specifications, operating instructions, service requirements, contact details and trouble shooting.

If you are using the **Precision Air Compressor** as your air supply, please refer to the **Precision Air Compressor Installation Guide**, available at **[www.peakscientific.com/downloads](http://www.peakscientific.com/downloads)**

# Go Online or Complete and Return

We know that registering any of your recently purchased products is not the first thing on your mind- but it is very important to both of us. Not all warranties are alike and Peak Scientific stand out against other gas suppliers as we offer a comprehensive on-site warranty. This means that in the very unlikely case that your gas generator develops a fault we have rapid support teams on-hand throughout the globe who are able to come to your lab and get you back up and running in no time.

Register for your **comprehensive 12 month on-site warranty** with ease online at [www.peakscientific.com/protected](http://www.peakscientific.com/protected).

Alternatively, you can send the completed form to Peak Scientific by post or email at [warranty@peakscientific.com](mailto:warranty@peakscientific.com).

**Go Online or Complete and Return**

You can register for your **FREE 12 month Warranty** with ease online at [www.peakscientific.com/protected](http://www.peakscientific.com/protected).

Alternatively, you can send the completed form to Peak Scientific by post or email at [warranty@peakscientific.com](mailto:warranty@peakscientific.com).

| Product Warranty Registration   |          |          |          |
|---|----------|----------|----------|
| Contact name  |          |          |          |
| Email address   |          |          |          |
| Company   |          |          |          |
| Address   |          |          |          |
| City/town   |          |          |          |
| Postcode  |          |          |          |
| Country   |          |          |          |
| Telephone   |          |          |          |
| Generator serial #  |          |          |          |
| Model type  |          |          |          |
| Installation date   |          |          |          |
| Do you still use an alternative gas solution i.e. cylinders or bulk liquid? | Yes      | No       |          |
| What gas requirements do you have in your lab?                              | Hydrogen | Nitrogen | Zero Air |

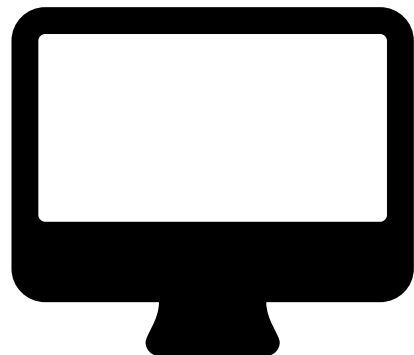
**Extend your cover with**

Peak Scientific offer comprehensive gas generator after sales support packages. Peak [Protected] aftercare support can guarantee an on-site response within 72 hours\*, genuine parts from our ISO9001 approved factory and a 95% first-time fix rate. See our enclosed Peak [Protected] leaflet for further information.

**Important!**

You have 1 month to register your Peak Scientific product from the date of installation. Once registered the warranty will be honoured for a period of 12 months. If you wish to defer the installation of your generator, you must notify Peak Scientific immediately by emailing [warranty@peakscientific.com](mailto:warranty@peakscientific.com). For generators that remain unregistered after 1 month from the shipment date, the warranty will be considered active from the date of factory dispatch.

\* Complete Plan only



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Please visit [www.peakscientific.com/downloads](http://www.peakscientific.com/downloads) to download the full User Manual for your gas generator.

## [**PEAK Protected**]<sup>TM</sup>

Peak Scientific has highly trained, fully certified Field Service Engineers located in over 20 countries across every continent around the world. This allows us to provide an industry-leading rapid response service to our customers. With [**Peak Protected**], your laboratory's productivity becomes our top priority.

To discuss Peak Protected generator cover and payment options speak to your local Peak Representative or for further information contact: [protected@peakscientific.com](mailto:protected@peakscientific.com)

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**Tel:** +44 141 812 8100  
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For further information on any of our generator products please contact [marketing@peakscientific.com](mailto:marketing@peakscientific.com)

