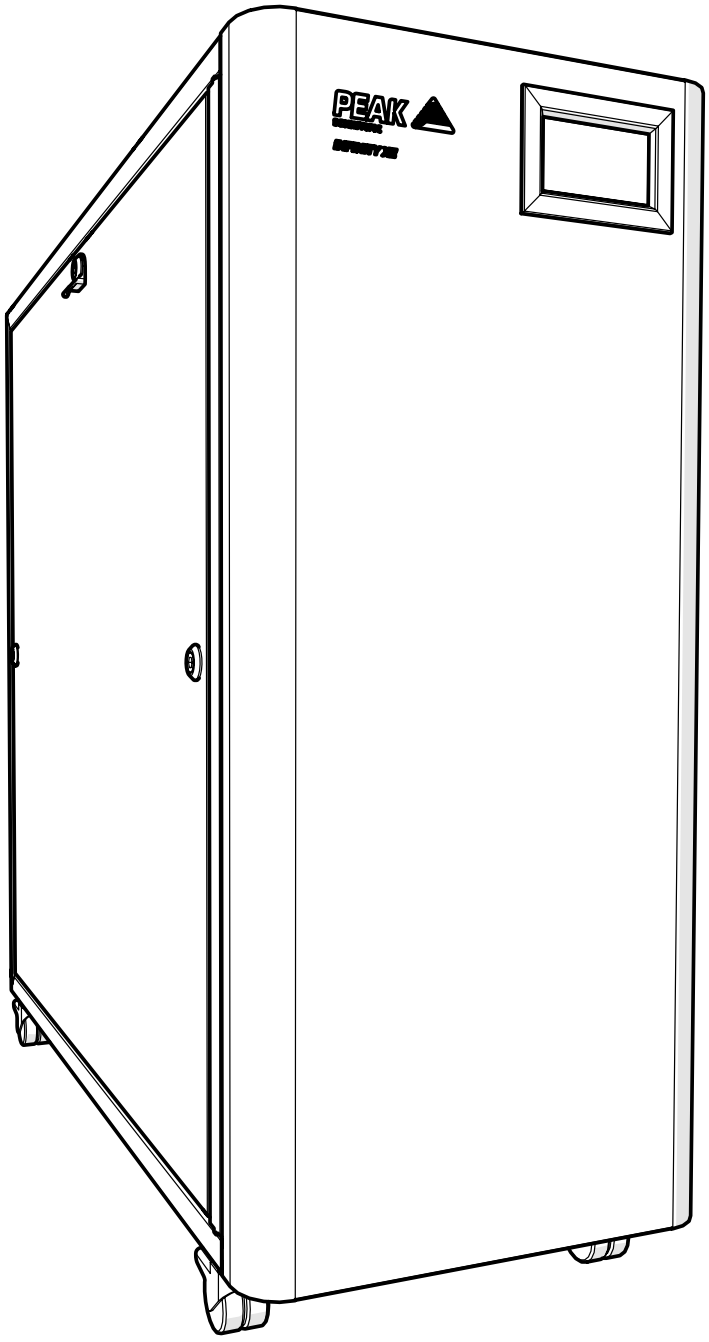
Infinity XE 60 Series (All Models)

Installation Guide



PEAK SCIENTIFIC

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Infinity XE 60 Series Installation Guide Rev 1 PN IG-0031 RSID 4127 EN –09/11/2021

Change History

Rev	Comment	Name	Date

How to use this Installation Guide

This document is intended to be used only as a Quick Start Guide, to facilitate safe and correct installation and initial configuration of your Peak Scientific gas generator.

For more extensive user operation directions, we recommend you download the User Manual from the website.

Please visit www.peakscientific.com/downloads to download the full User Manual for your gas generator.

Thank you for selecting Peak Scientific to meet your laboratory 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

 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.
 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


WARNING

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

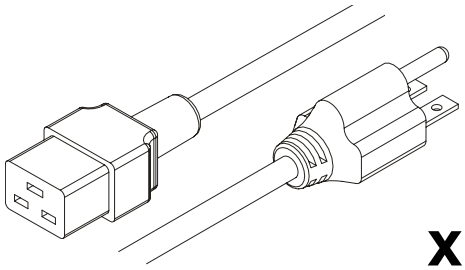

WARNING

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.


WARNING

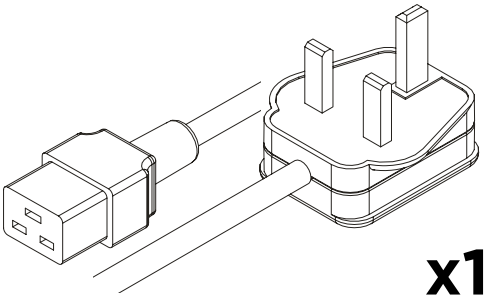
If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Fittings Kit



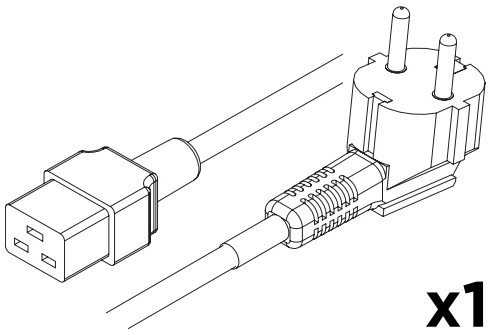
x1

US Mains Cable 230V C19 6-15 04-1024



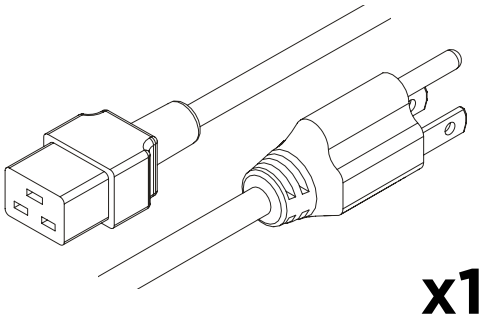
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UK Mains Cable C19 04-1025



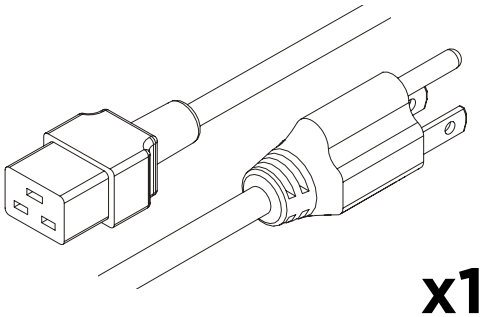
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EU Mains Cable C19 04-1026



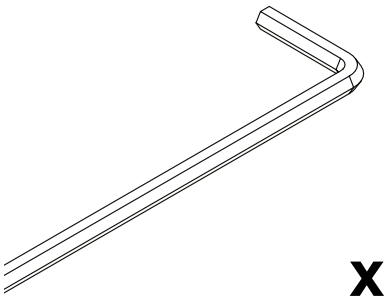
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US Mains Cable 110V C19 5-15 04-1035



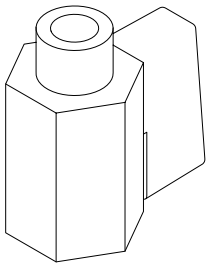
x1

JP Mains Cable 100V C19 04-1004



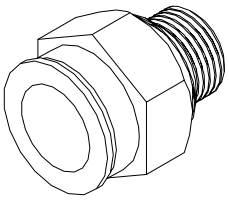
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8mm Hex Key 00-0007



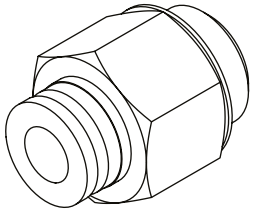
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Shut-Off Valve 02-4471



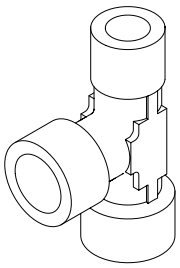
x1*

1/4" - 12mm Push Fit Fitting
02-5801



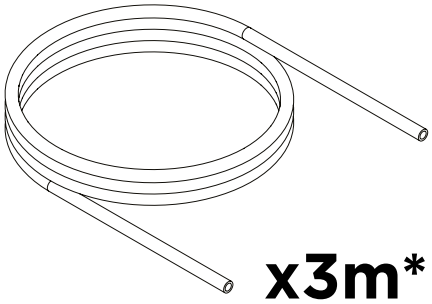
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1/4" - 6mm Push Fit Fitting
02-4600



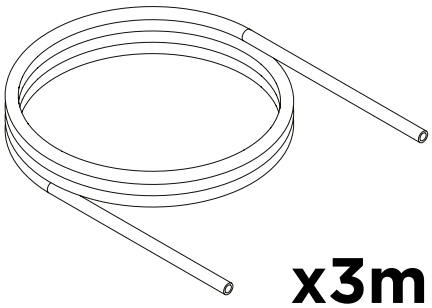
x1

1/4" Tee Fitting 02-1048



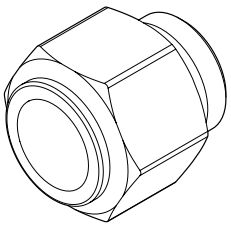
x3m*

12mm OD x 10mm ID PE 00-1267



x3m

6mm OD x 4mm ID PE 00-1282

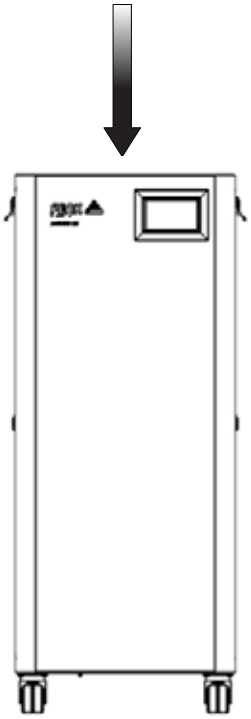


x1

16mm Push Fit Fitting 3301060

* x2 with Dry Air option fitted

1.



WARNING

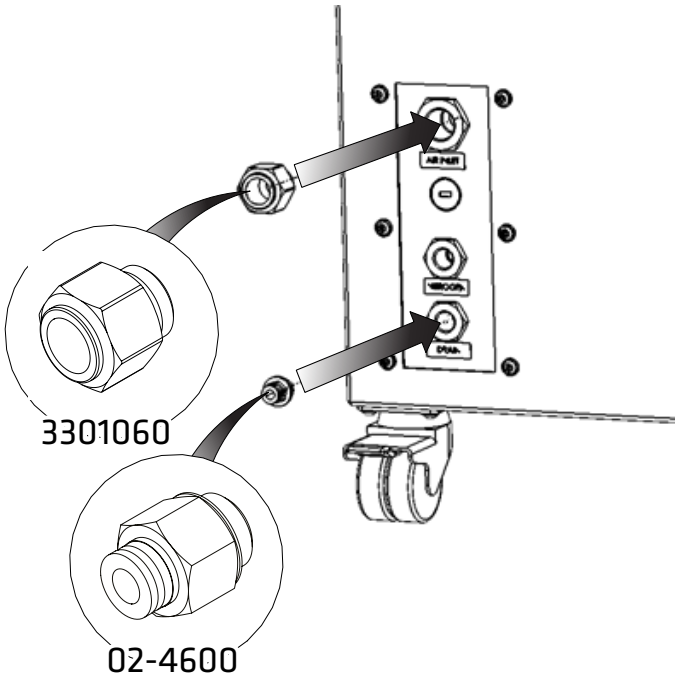
0°

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

An Infinity XE 6010 has been used for the purposes of this Installation Guide.

WARNING Ensure all inlets and outlets are connected to correct sources and applications. All Connections should only be carried out by trained personnel. Generator must be switched off and unplugged prior to any connection , cleaning or maintenance operations.

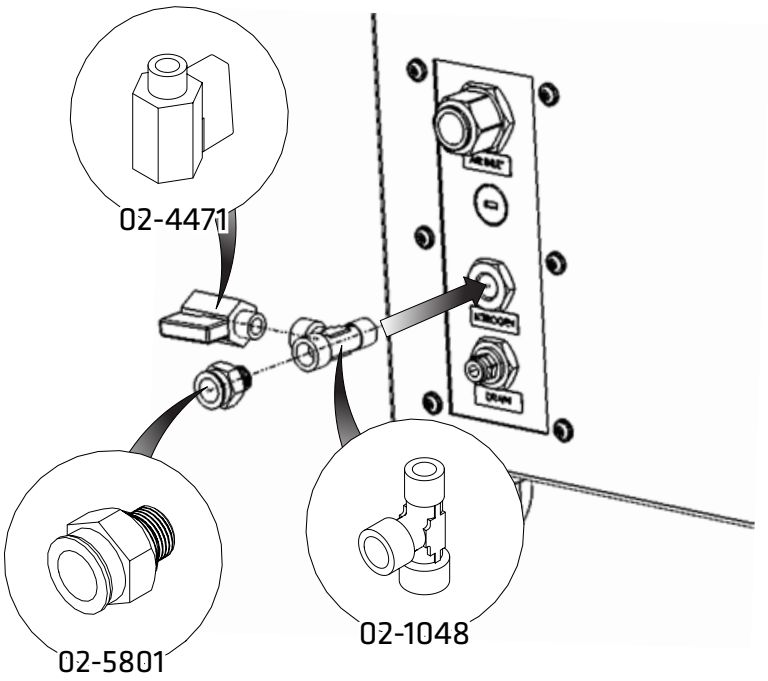
2.



Select the **16mm Push Fit Fitting 3301060** from the fittings kit and attach to the **Air Inlet** port at the rear of the generator.

Then fit the **6mm Push-Fit Fitting 02-4600** to the **Drain port**.

3.



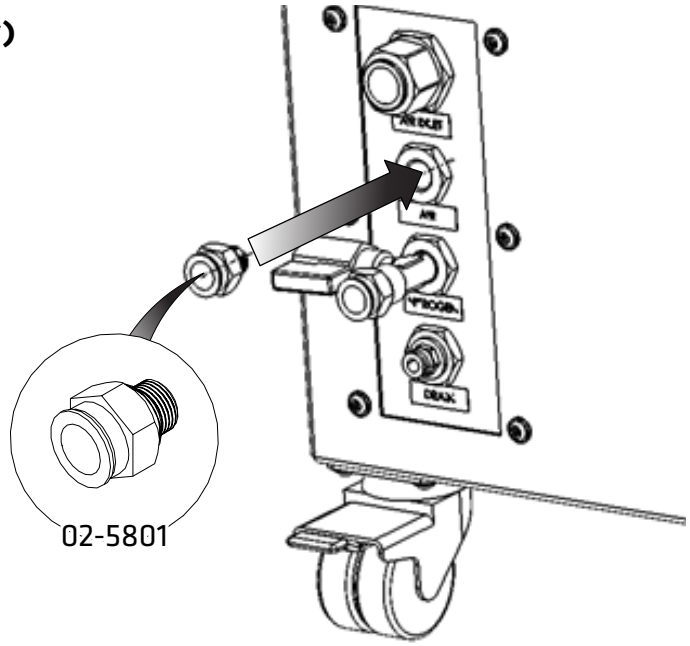
Select the **Tee Fitting 02-1048** and attach this to the **Nitrogen** port.

Next, attach the **Shut-Off Valve 02-4471** to the vertical female port on the **Tee Fitting**, ensuring PTFE tape is used for tight fit.

Finally attach the **12mm Push-Fit Fitting 02-5801** from the fittings kit to the remaining female port on the **Tee Fitting**, again ensuring PTFE tape is used.

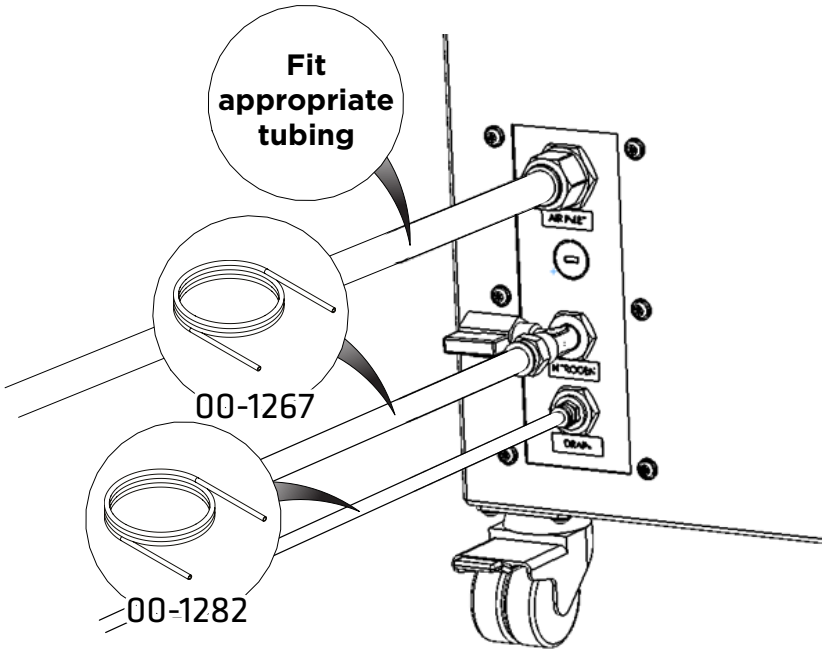
For units without **Dry Air option** fitted please **proceed to step 5.**

4. (Dry Air option only)



If the generator is fitted with the optional **Dry Air output**, select the **12mm Push-Fit Fitting 02-5801** from the fittings kit and attach it to the 'Air' port on the rear of the generator.

5.



Connect the **6mm PE Tubing 00-1282** to the ¼**"- 6mm Push Fit Fitting 02-4600**.

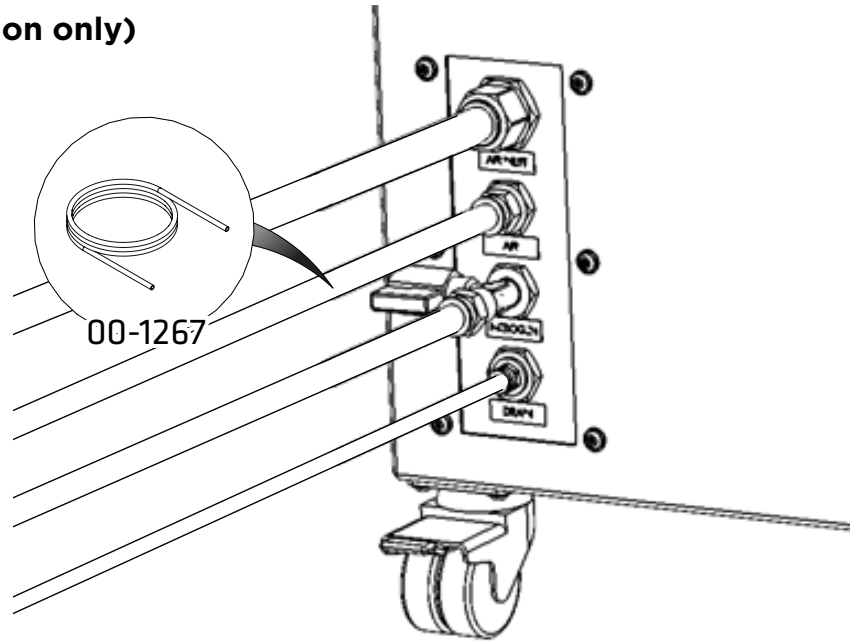
Fit the other end of the tubing to a suitable drain connection or container. The container **MUST NOT** have an airtight seal as water and air will be expelled periodically under a slight pressure.

Attach 3m of **12mm PE Tubing 00-1267** to the fitting attached to the fittings on the **Nitrogen** port and connect to the **gas inlet of your instrument**.

Lastly connect appropriate 16mm tubing **(not supplied)** to the fitting on the **Air Inlet** port and connect the other end to your **air supply (ISO 8573-1:2010 Class [1.4.1])**.

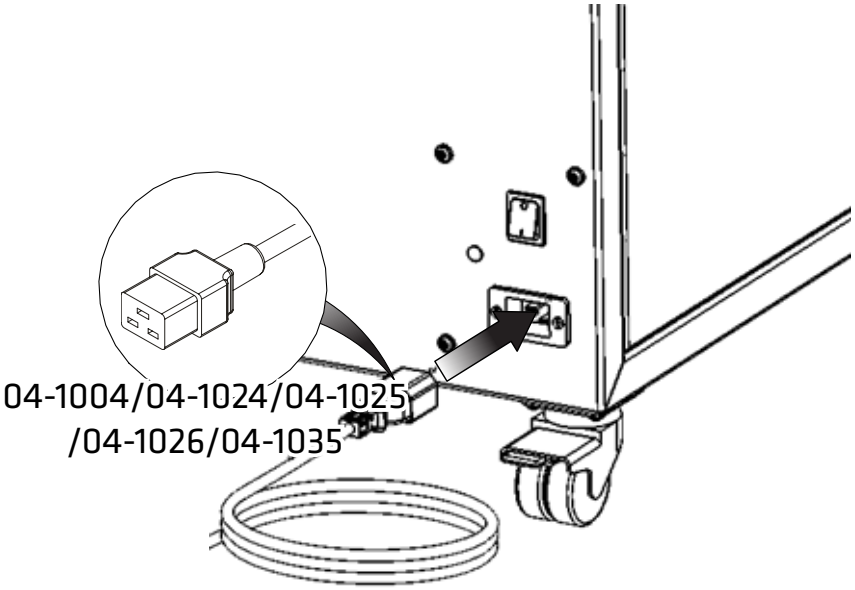
For units without **Dry Air option** fitted please **proceed to step 7.**

6. (Dry Air option only)



Attach 3m of **12mm PE tubing 00-1267** from the fittings kit to the fitting on the **Dry Air output** of the generator. Connect the other end to the Air inlet of your instrument.

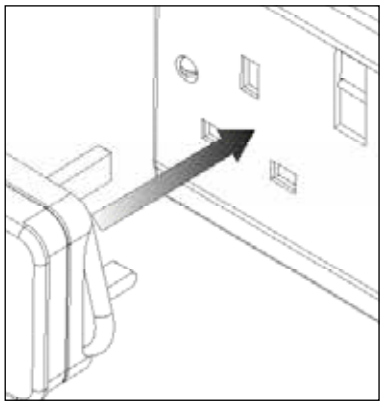
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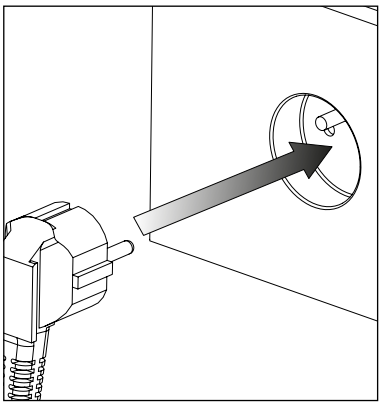
Select the appropriate mains cable from the fittings kit and plug the **IEC 60320/C19** cable into the mains input at the rear of the generator.

8.

UK



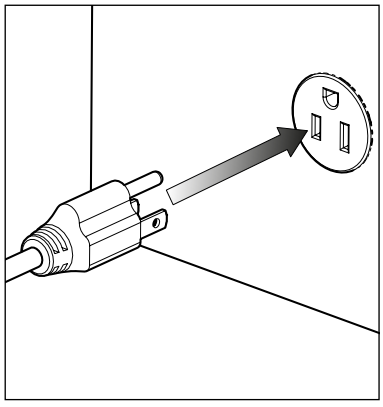
EU



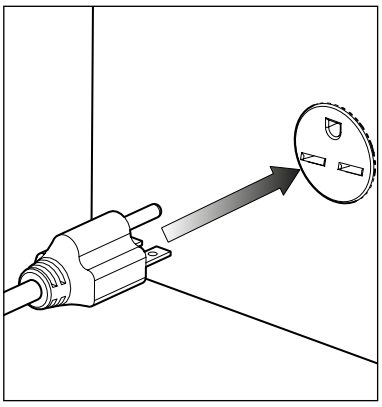




US 110V JP 100V



US 230V

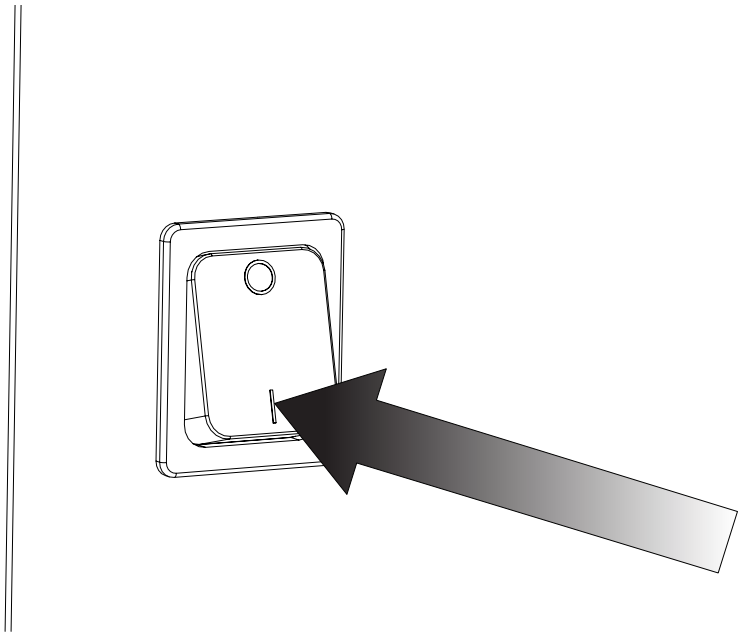


Plug the mains cable into the corresponding **100/110/230VAC 50/60Hz** single phase power supply.

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

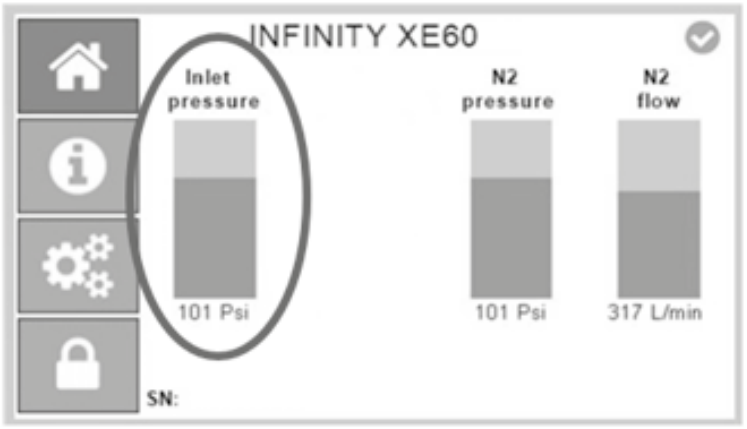
Consult the **Electrical Requirements** section if you are unsure of the requirements of your generator.

9.



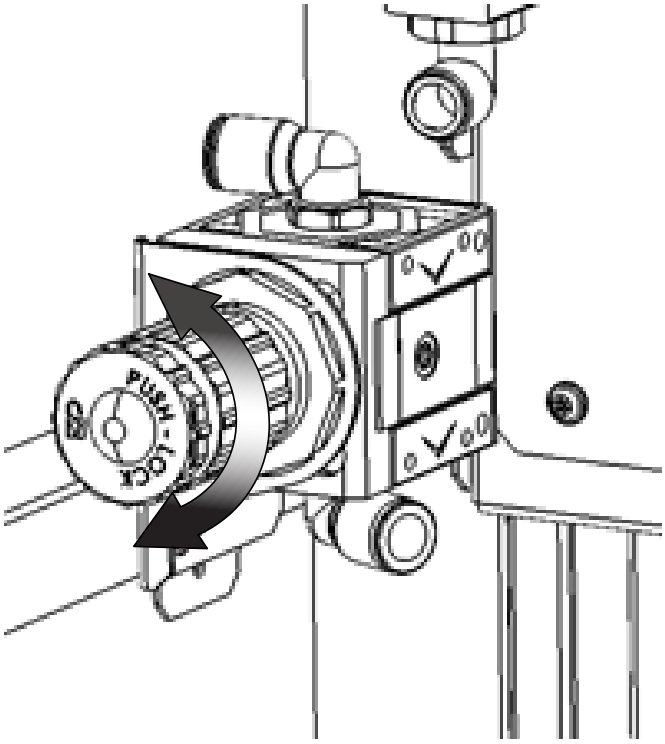
Switch the generator power **ON** using the switch on the rear panel.

10.



The **inlet pressure graph on the external HMI** of the generator will gradually increase from 0Psi to the delivered inlet pressure as the system pressurises

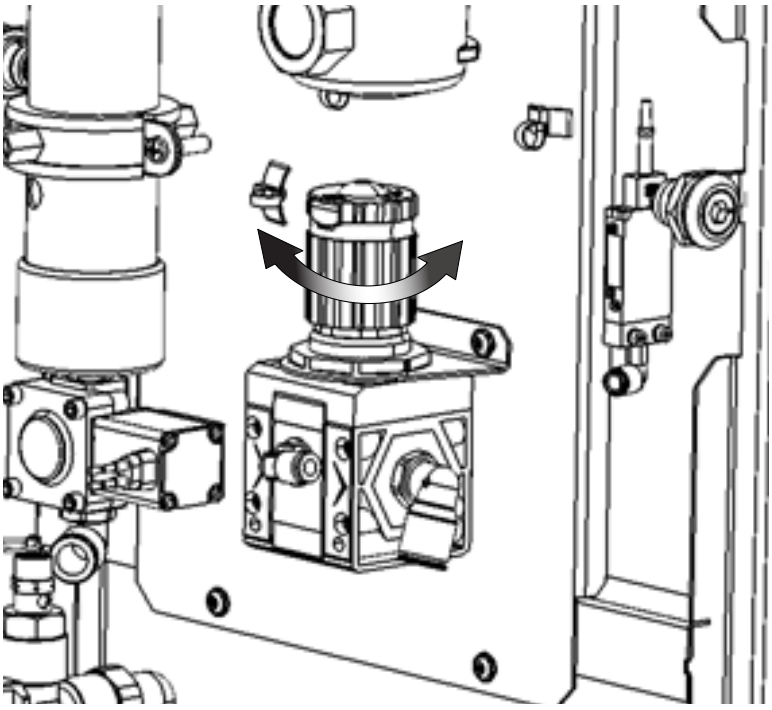
11.



Remove the side panel, and set the desired Nitrogen output pressure using **the internal pressure regulator** located near the front of the generator. View the **external outlet pressure reading on the HMI** when setting the pressure.

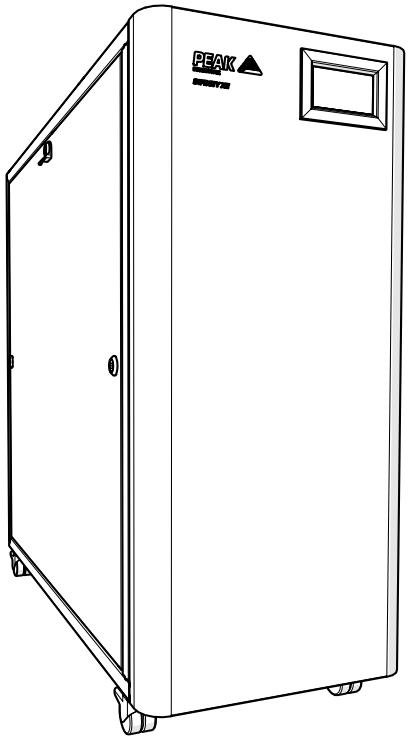
For units without **Dry Air option** fitted please replace the side panel after the regulator has been set and **proceed to step 13.**

12. (Dry Air option only)



Set the desired Air output pressure using the **internal pressure regulator located near the rear of the generator.** View the external outlet pressure reading on the HMI when setting the pressure. **Replace the side panel after the regulator has been set.**

13.



CONGRATULATIONS

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

General Notes

1. Electrical requirements for 230V generators are 195V - 253V 50/60Hz. For 195V - 219V a 06-3200 Dual Tap Transformer is required.
2. Electrical requirement is 100-230V for all XE60 models.

Electrical Requirements

Generator	Voltage			Frequency		Plug Type
	230	110	100	50	60	
Infinity XE 60*0	✔	✔	✔	✔	✔	UK, EU, US 230V

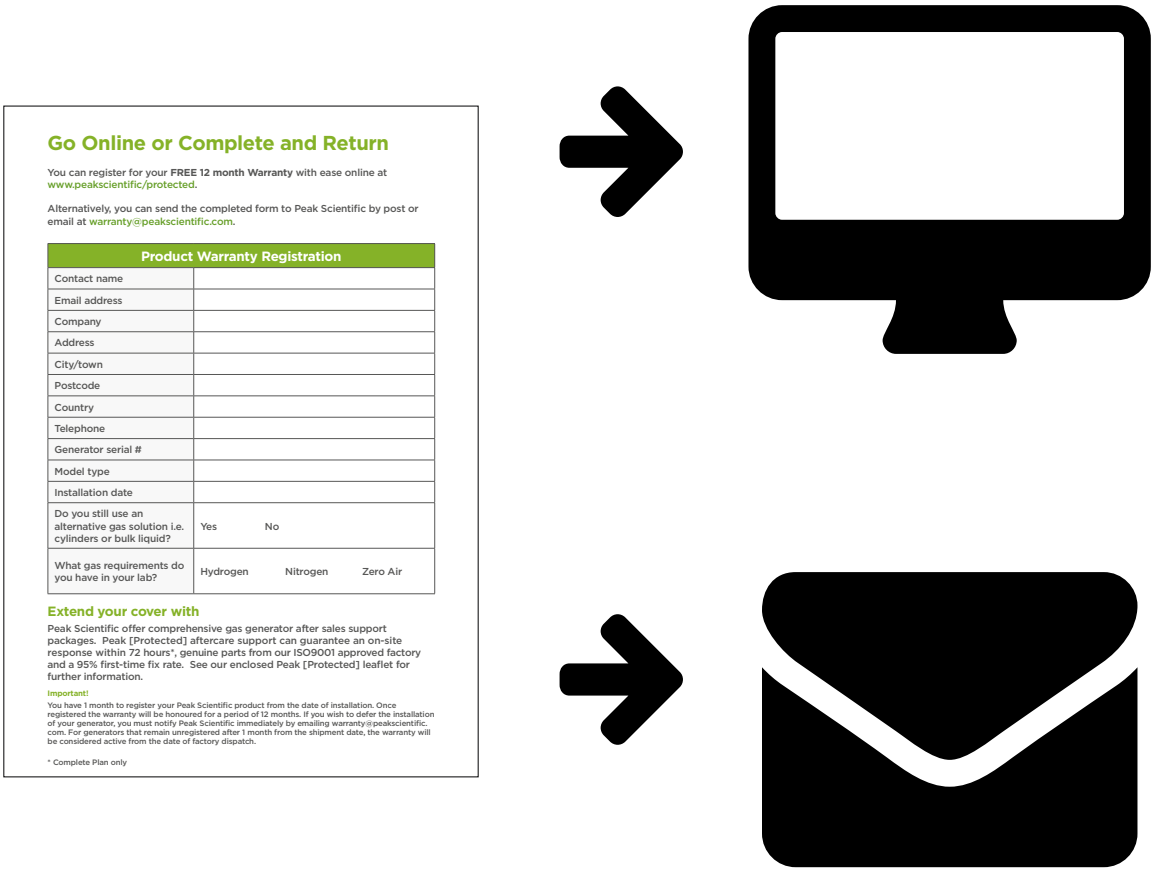
Please familiarise yourself with the full **User Manual** available at **www.peakscientific.com/downloads**. This includes all other technical specifications, operating instructions, service requirements, contact details and trouble shooting.

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, quick response, 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 around the world 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/register.

Alternatively, you can send the completed form to Peak Scientific by post or email at warranty@peakscientific.com.



Go Online or Complete and Return

You can register for your **FREE 12 month Warranty** with ease online at www.peakscientific/protected.

Alternatively, you can send the completed form to Peak Scientific by post or email at 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. 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

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.** For generators that remain unregistered after 1 month from the shipment date, the warranty will be considered active from the date of factory dispatch.

Please visit www.peakscientific.com/downloads to download the full User Manual for your gas generator.

[PEAK Protected]™

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.**

PEAK SCIENTIFIC

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RSID 4127 EN –09/11/2021

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