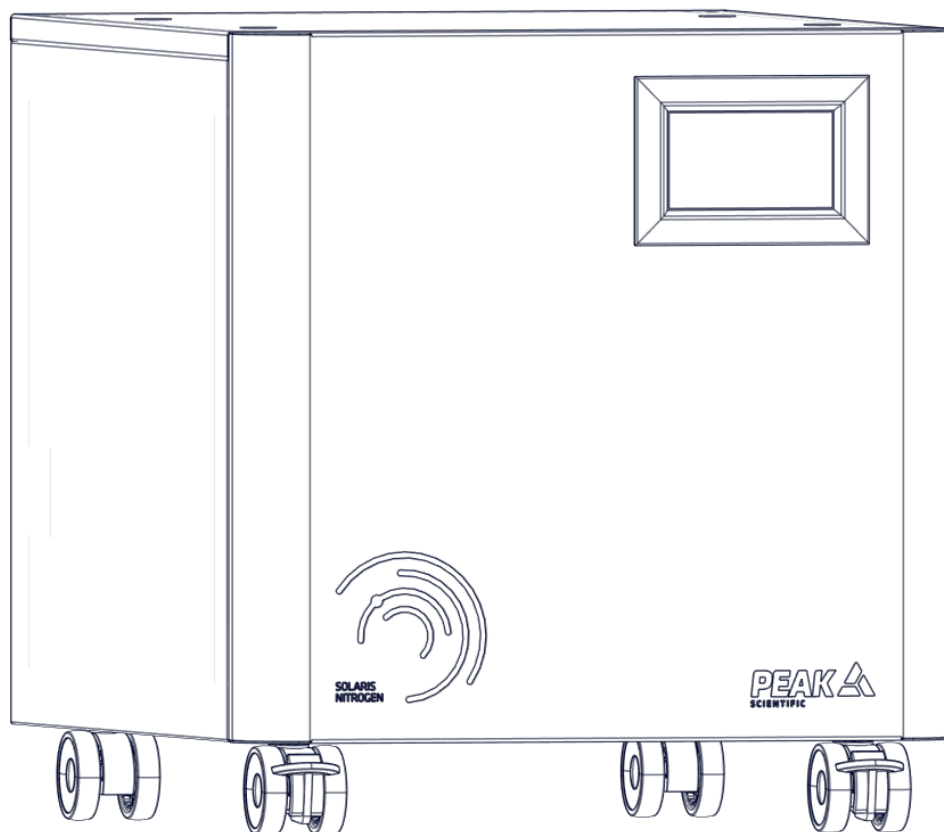


Solaris 1010A

Installation Guide

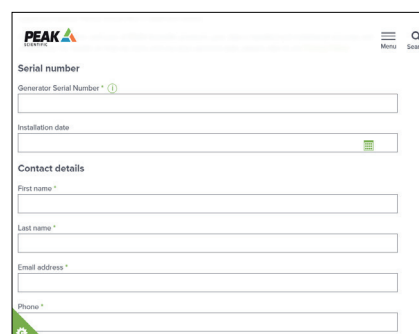


Go Online or Complete and Return

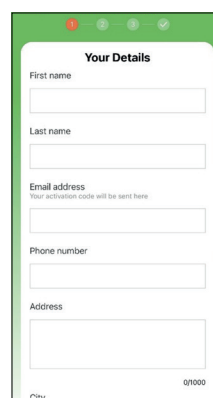
We know that registering any of your recently purchased products is not the first thing on your mind- but it is very important to both of us. Not all warranties are alike and Peak Scientific stand out against other gas suppliers as we offer a comprehensive, quick response, on-site warranty. This means 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/protected.

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



The screenshot shows a web browser interface for the Peak Scientific warranty registration. At the top is the 'PEAK' logo and a search bar. The form is titled 'Serial number' and includes a 'Generator Serial Number' field with a help icon. Below this is an 'Installation date' field. The 'Contact details' section contains fields for 'First name', 'Last name', 'Email address', and 'Phone'. A green gear icon is visible at the bottom left of the form.



The screenshot shows a mobile app interface for the Peak Scientific warranty registration. The form is titled 'Your Details' and includes fields for 'First name', 'Last name', 'Email address' (with a note that the activation code will be sent here), 'Phone number', and 'Address'. A 'City' field is at the bottom. A green header bar is at the top of the form.

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.

Change History

Rev	Comment	Name	Date
1	Initial Release	L. Couttie	25/06/2024
2	Fittings Kit Update	L. Couttie	18/02/2025
3	Partnumber update	D.Lai	14/04/2025
4			
5			

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 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

 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



These instructions must be read thoroughly and understood before installation and operation of your Peak Horizen 24 Generator. Use of the Generator in a manner not specified by Peak Scientific MAY impair the SAFETY provided by the equipment.

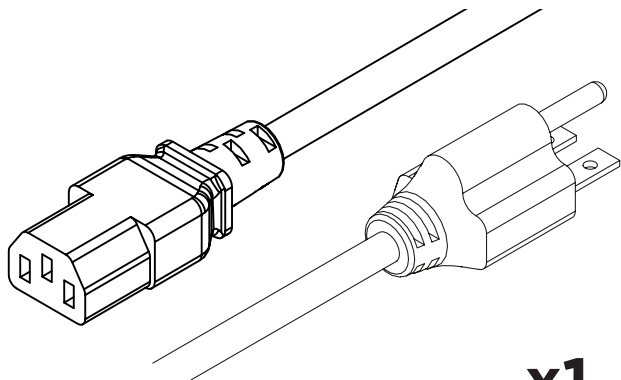


When handling, operating or carrying out any maintenance, personnel must employ safe engineering practices and observe all relevant local health and safety requirements and regulations. The attention of UK users is drawn to the Health and Safety at Work Act 1974, and the Institute of Electrical Engineers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

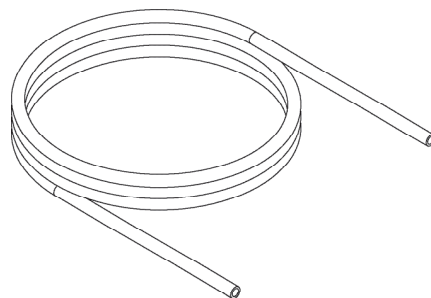


If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

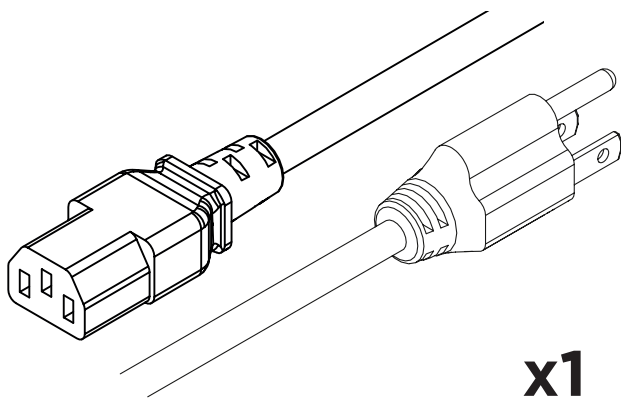
Fittings Kit



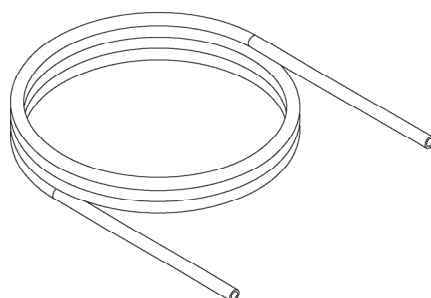
x1
US Mains Cable C13 6-15 04-1029



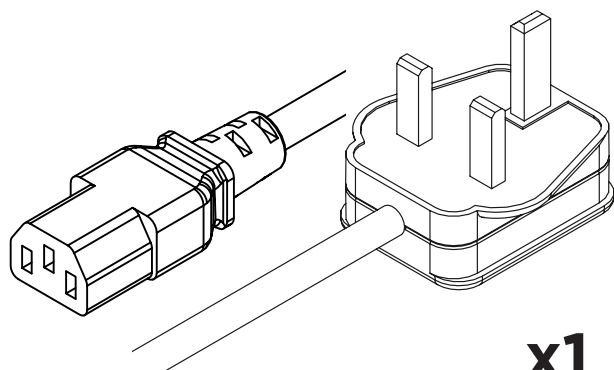
x3m
1/4" Teflon Tubing 00-1266



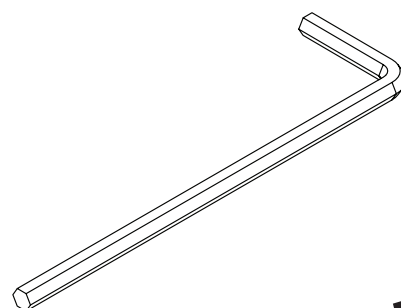
x1
US Mains Cable C13 5-15 04-1039



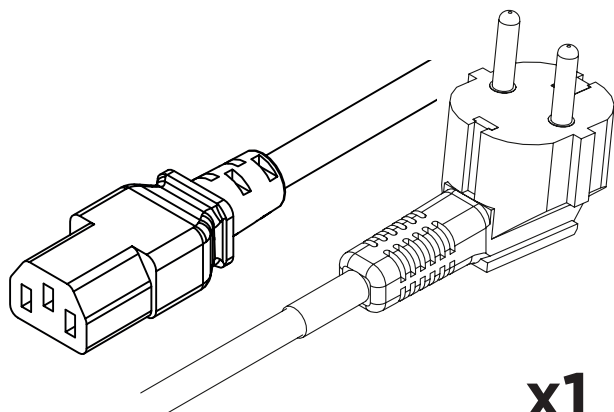
x3m
6mm PE Tubing 00-1282



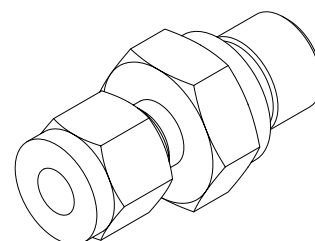
x1
UK Mains Cable C13 04-1028



x1
2.5mm Hex Key 00-5483

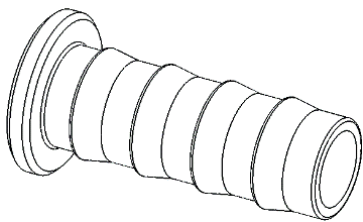


x1
EU Mains Cable C13 04-1038



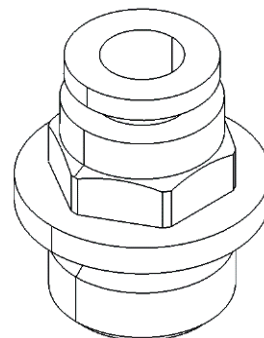
x2
1/4" x 1/4" Compression Fitting 02-4421

Fittings Kit



x2

Tube insert OD 6mm ID 4mm 3300704



x2

Adaptor 1/4" M BSPP x6mm PUSH FIT 02-4600

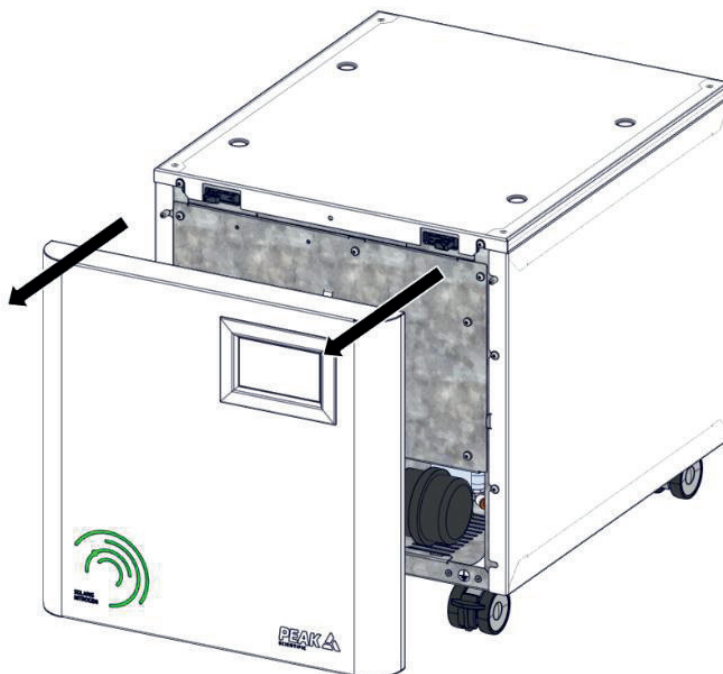
1.



0°

Unpack the generator from the shipping crate, referring to the unpacking instruction located on the outside of the box, and ensure that the supplied ramp is flush with the shipping pallet and secured with Velcro as per instructions. Once the generator is out of its packaging, **position on a flat, secure surface** in the desired location, then ensure castor locks are activated in order to prevent any movement or risk of injury. **WARNING** the weight of the unit constitutes a two man lift. Safe lifting practices are advised.

2.



Remove the fascia from the Solaris 1010A, by first pulling towards you.

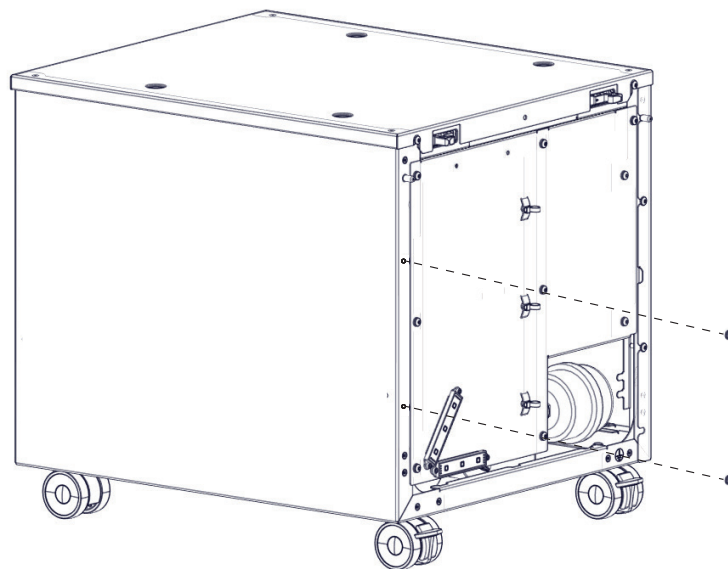
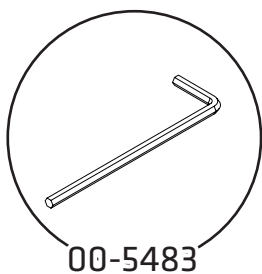
Carefully remove the HMI wire from the screen and the LED wire connector before removing the fascia panel fully.

3.



Next pull the **fascia** upwards and away from the generator.

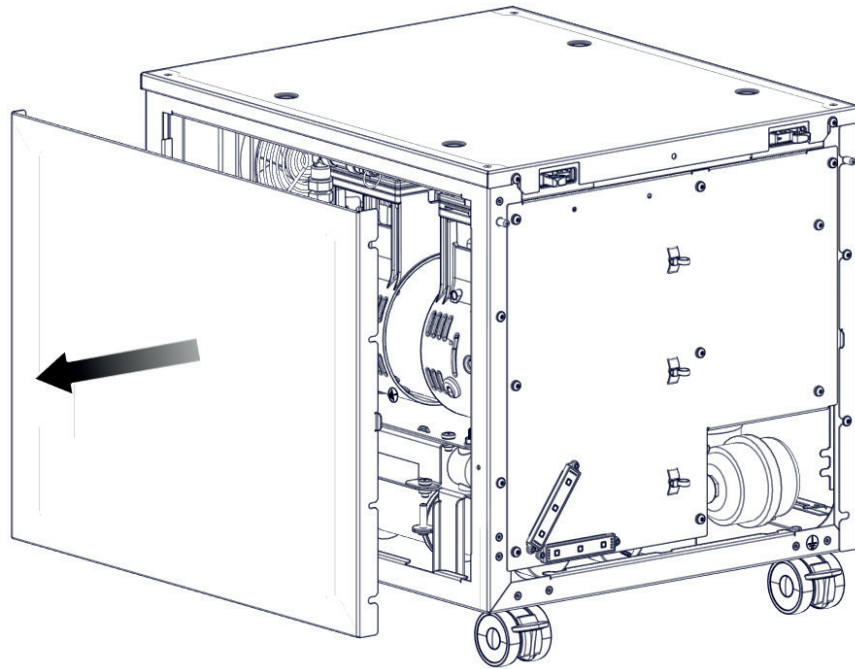
4.



Now take the **left side panel** off, by removing the **two screws** shown in the image above, using the **hex key (00-5483)** provided.

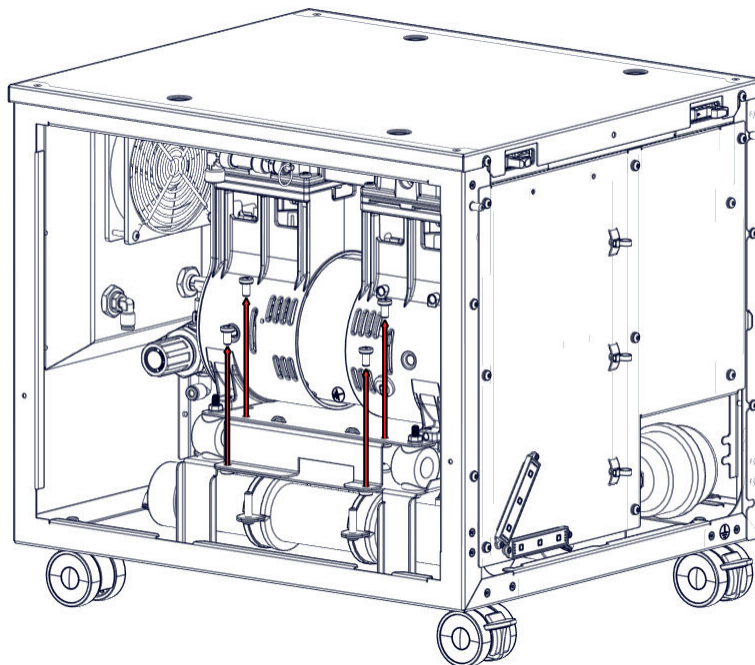
Carefully remove the earth wire tab from the door before removing the panel fully.

5.



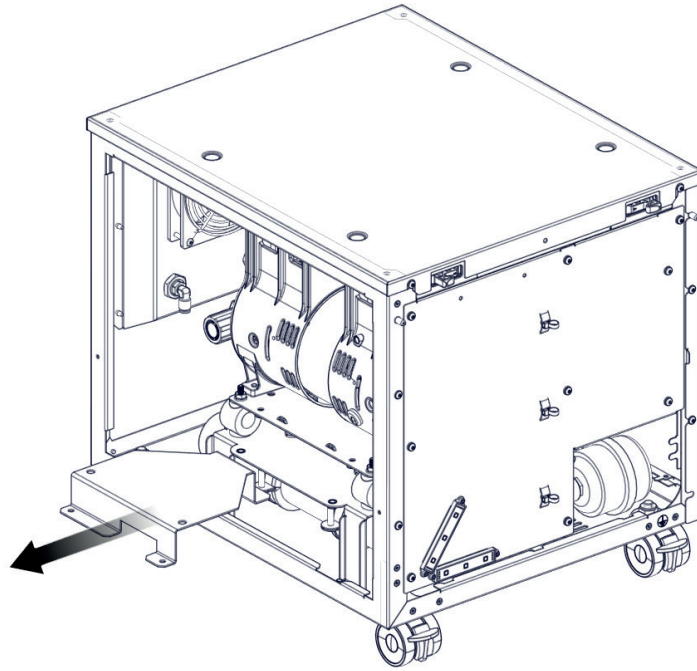
The **side panel** can now be removed by pulling the panel towards you.

6.



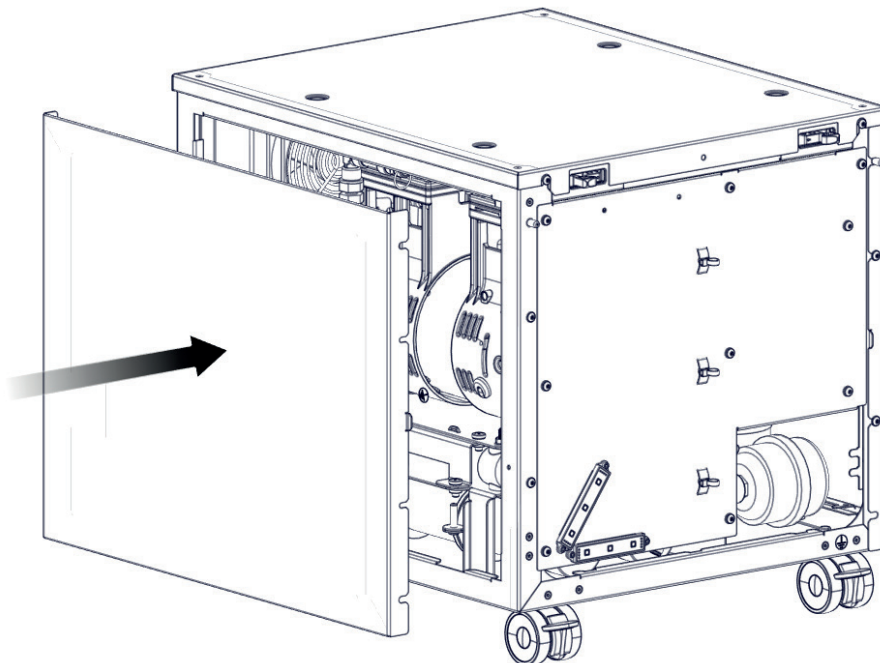
With the side panel removed you now have access to the **transit bracket**. This is located under the compressor and is marked with a sticker reading **Remove Before Use**. To remove the transit bracket, first **remove the 4 screws** from the bracket as shown.

7.



The **bracket** can now be slid out from underneath the compressor tray.

8.



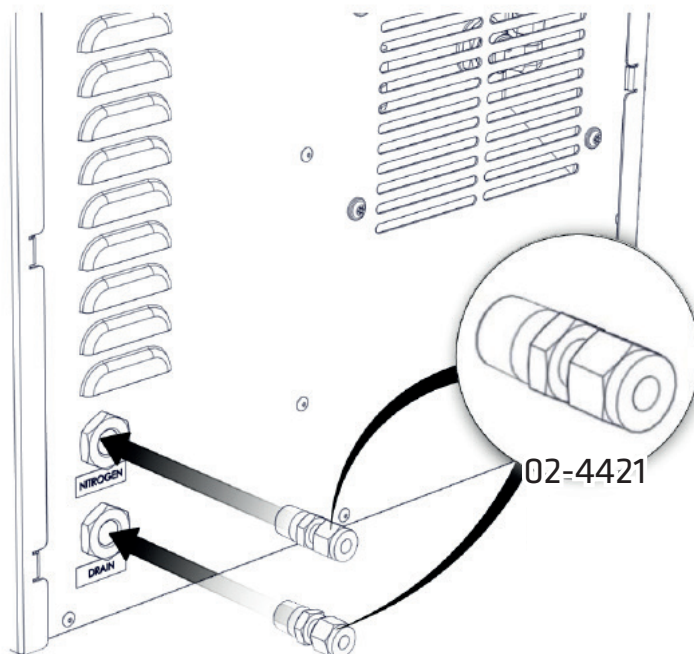
Re-attach the **side panel** and replace the **screws**.
Remember to reconnect the earth wire onto the earth tab of the door.

9.



Remember to reconnect the HMI wires to the HMI screen and the LED wire connectors together.

10.



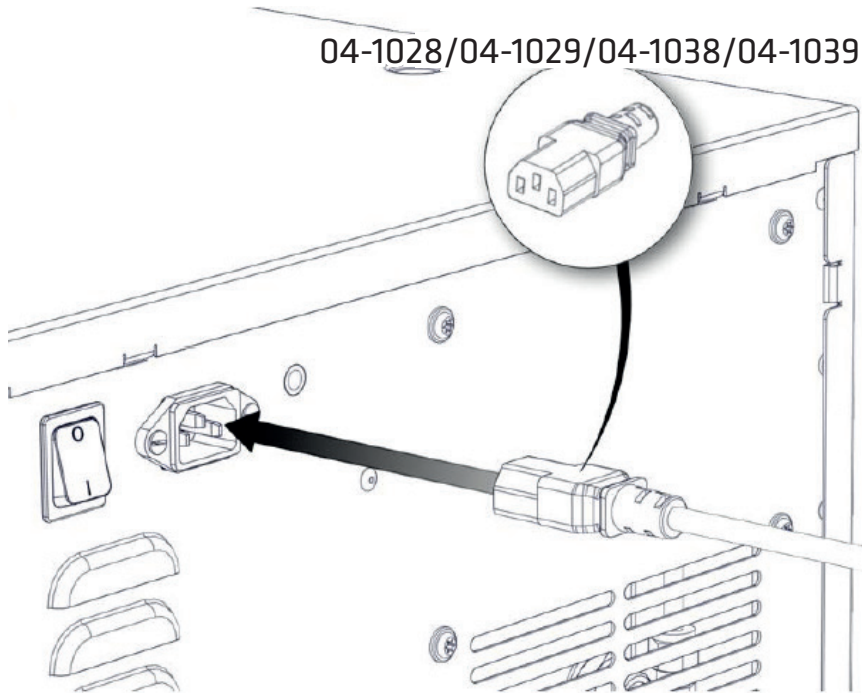
Connect the supplied ¼" **compression fittings (02-4421)** to the **Nitrogen Output** and **Drain ports**.

Attach some of the supplied ¼" **Teflon Tubing (00-1266)** to the **Nitrogen Output** port and connect the other end to the instrument. Attach the rest of the supplied tubing to the **Drain port** and connect it to a suitable unsealed drain container.

When using compression fittings (02-4421) insert stainless steel inserts into the tubing before tightening the compression nut. The fittings kit also contains push fit connections (02-4600).

11.

04-1028/04-1029/04-1038/04-1039

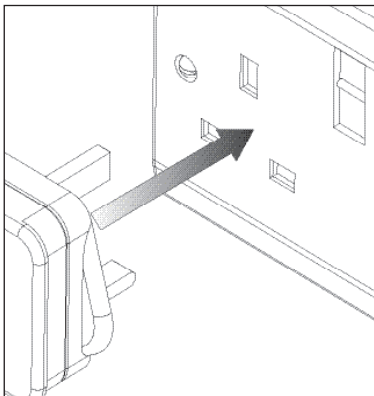


Select the appropriate **mains cable** from the fittings kit and plug the **IEC 60320/C13** cable into the **mains input** at the rear of the generator.

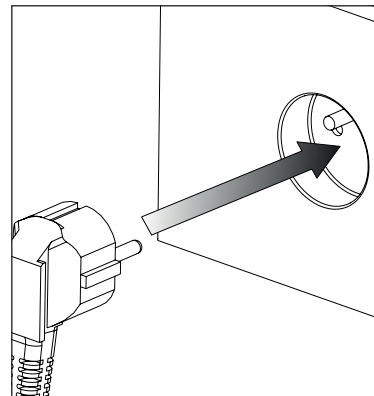
Please note both 110V and 220-240V US cables have been supplied, select the correct mains cable for your supply voltage.

12.

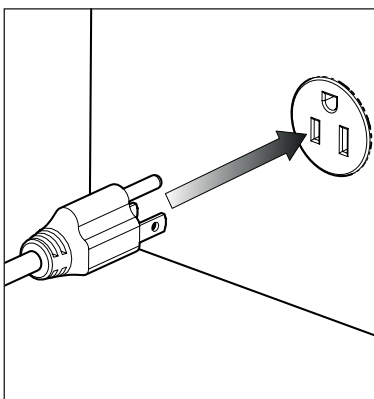
UK



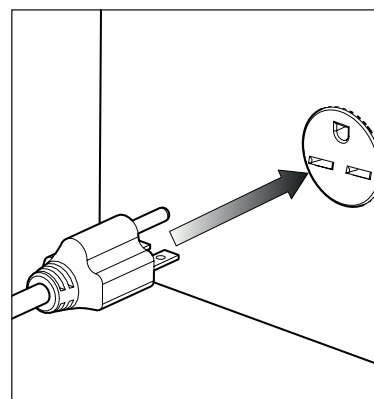
EU



US
110V



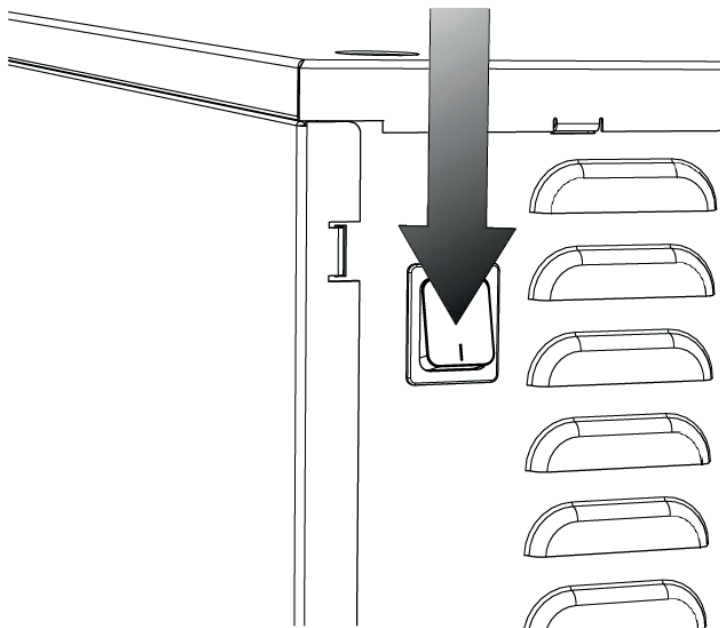
US
240V



Plug the mains cable into the corresponding **100VAC 50/60Hz, 120VAC 60Hz OR 230VAC 50/60Hz OR 240V 60Hz** single phase power supply.

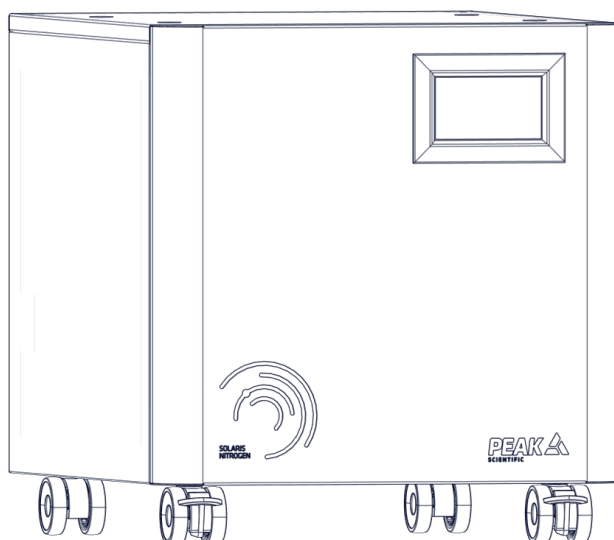
CAUTION ensure the correct cable has been selected for your electrical supply
Consult the **Electrical Requirements** section if you are unsure of the requirements of your generator.

19.



Press the **POWER** switch located at the rear of the Solaris 1010A.

19.



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 120 or 220-240VAC nominal +/- 10% depending on chosen model. However, running continuously at voltages outside this is not recommended. Extended periods at extremes can have a detrimental effect on the operation and life of the generator.

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 troubleshooting.

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

[**PEAK Protected**]TM

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

Fountain Crescent
Inchinnan Business Park
Inchinnan
PA4 9RE
Scotland, UK
Tel: +44 141 812 8100
Fax: +44 141 812 8200

For further information on any of our generator products please contact marketing@peakscientific.com