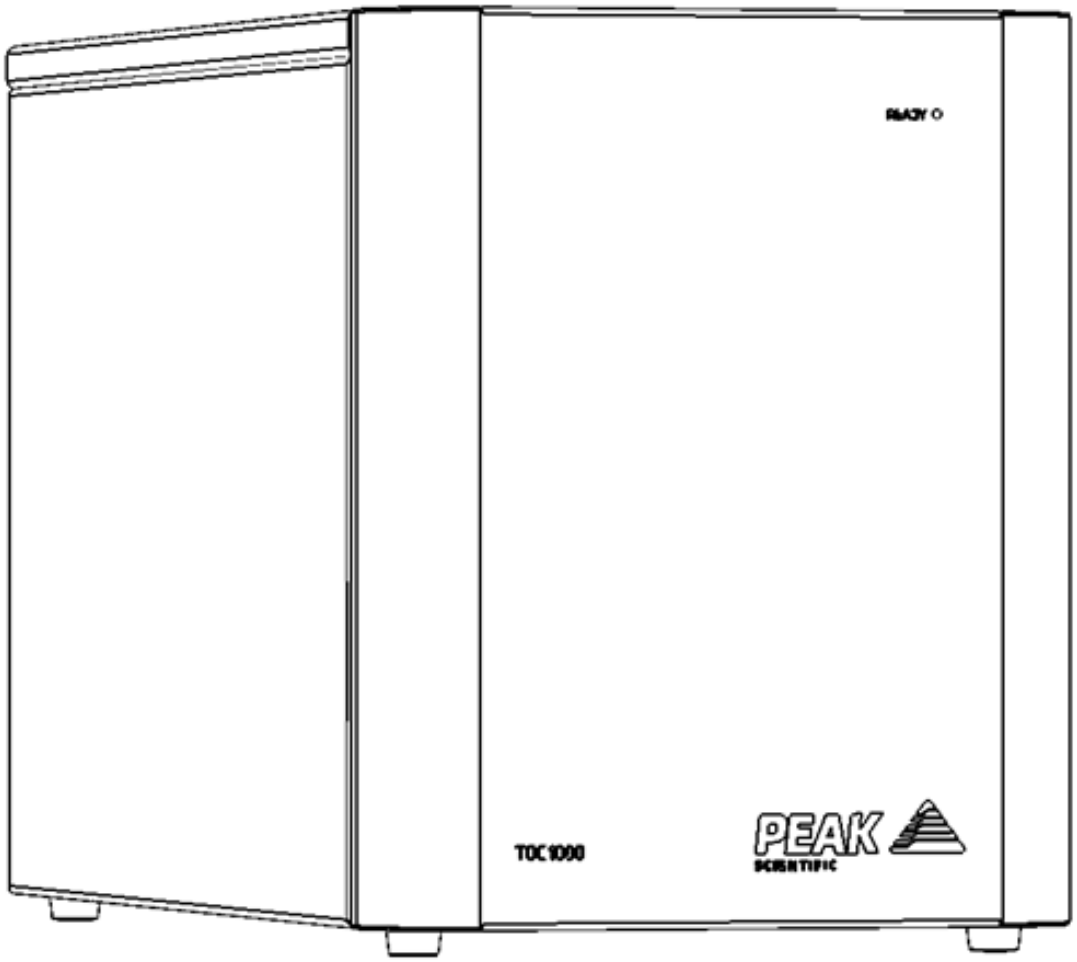
TOC 1000

Installation Guide



PEAK SCIENTIFIC

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Change History

Rev	Comment	Name	Date
1	Initial Release	L. Couttie	18/02/2020
2	Fittings Kit Update	L. Couttie	08/07/2020
3	Adaptor Update	L. Couttie	10/06/2022
4	Compressed Air Supply Update	L. Couttie	28/07/2023
5	Spec. Update	L. Couttie	22/03/2024
6	Branding update and update to start up purge time	J. Murphy	12 Oct 2026

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.

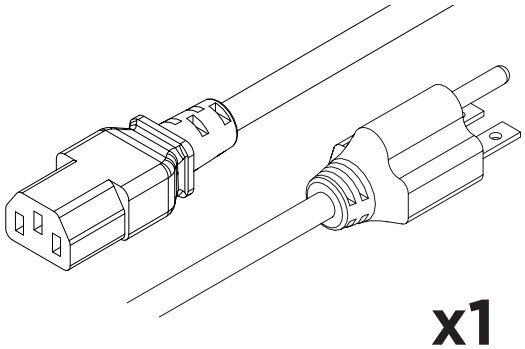

WARNING

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

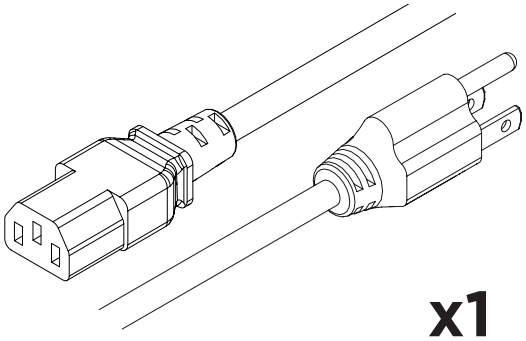
If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Fittings Kit



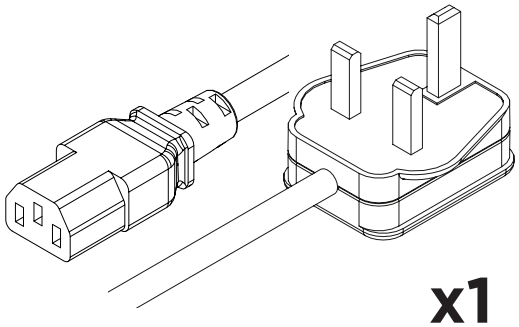
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US Mains Cable C13 6-15 04-1029



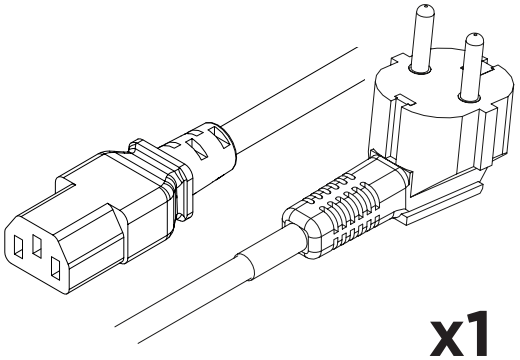
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US Mains Cable C13 5-15 04-1039



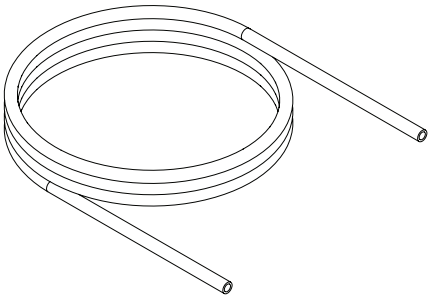
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UK Mains Cable C13 04-1028



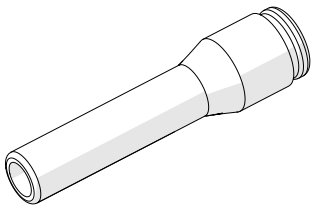
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EU Mains Cable C13 04-1038



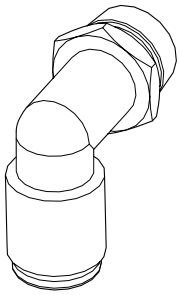
x3m

6mm Teflon White Tubing 00-1302



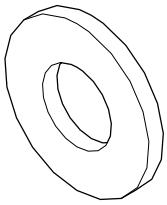
x1

Reducer 6mm-4mm Push Fit 02-4615



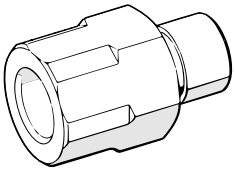
x2

1/4” - 6mm Push Fit Elbow Fitting 02-4603



x2

Bonded Washer 02-4370



x2

¼” M BSPP x ¼” F NPT Adaptor 3304650

1.



WARNING

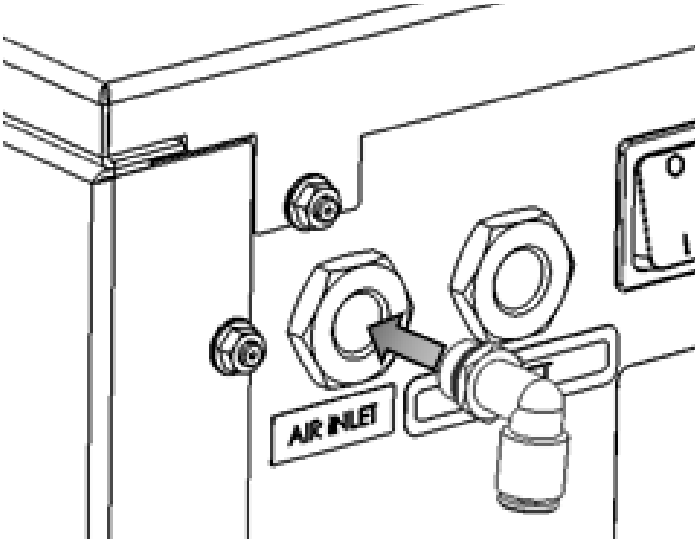


0°

Unpack the unit from its packaging and position on a flat surface, in the desired area.

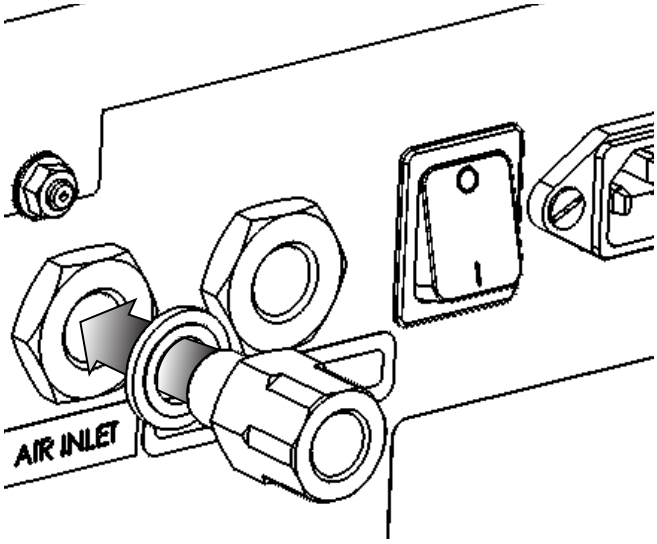
WARNING the weight of the unit requires a two man lift.
Safe lifting practices are advised.

2A.



The generator inlet is a female ¼" BSPP connection. **Fit** the provided **6mm push-fit connection to the inlet** of the generator and **connect the 6mm tubing provided**, before connecting the other end to your air supply.

2B.



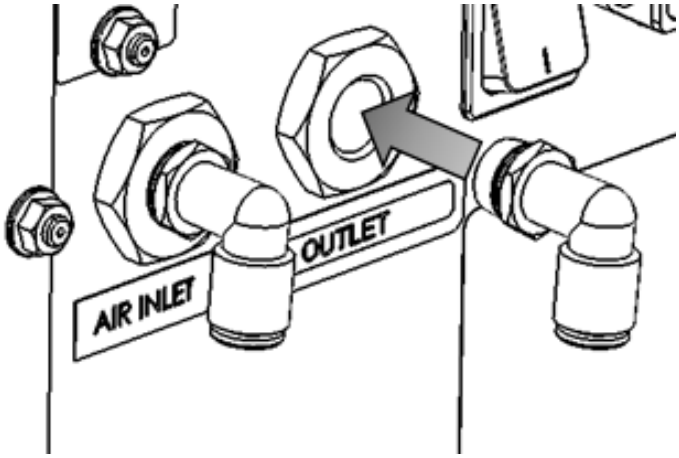
Alternative outlet connection, fit the provided **Bonded Washer** and **¼" M BSPP x ¼" F NPT Adaptor** to the **inlet of the generator** and **connect to your air supply.**

Compressed Air Supply

Compressed air supplied to the TOC 1000 generator should meet ISO 8573-1:2010 Class 1.4.1 standard and should be supplied at a pressure of 100psi (6.9bar) - 145psi (10bar) pressure.

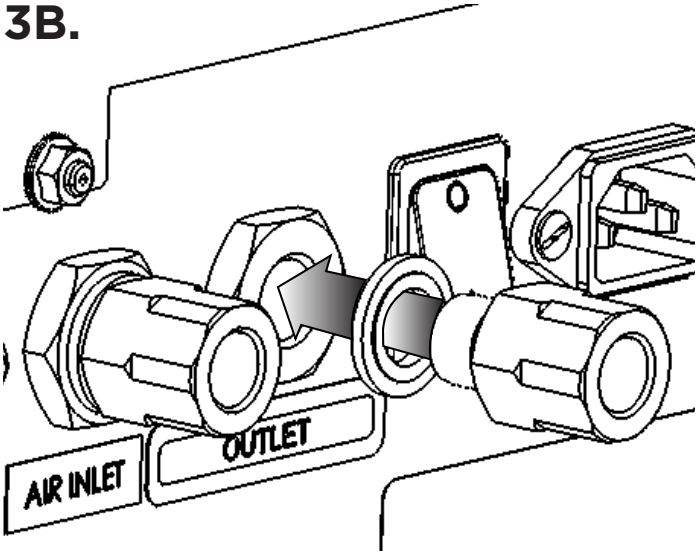
Any TOC 1000 generator manufactured BEFORE May 2023 should be supplied with compressed air meeting ISO 8573-1:2010 Class 1.4.1 at maximum pressure of 100psi (6.9 bar).

3A.



The generator outlet is a female ¼" BSPP connection. **Fit the provided 6mm push-fit connection** to the **outlet** of the generator and connect the 6mm tubing provided, before connecting the other end to your application.

3B.



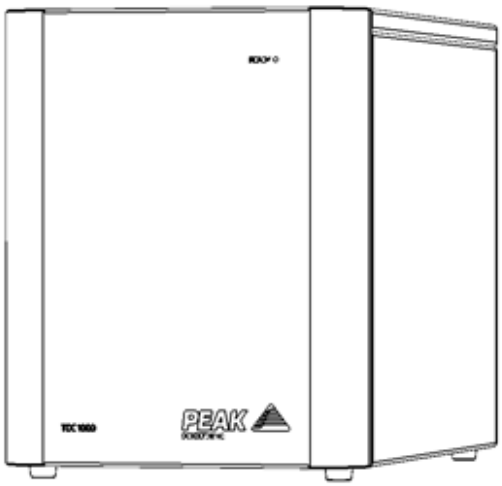
Alternative outlet connection, fit the provided **Bonded Washer** and **¼" M BSPP x ¼" F NPT Adaptor** to the outlet of the generator and connect to application.

Start-Up Sequence

CAUTION

Before the generator is first connected to the application, the generator should be operated in isolation (i.e. not connected to the application) for 6 hours. This is to ensure that any impurities are purged from the system. Failure to do this may harm the application.

4.



CONGRATULATIONS

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

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

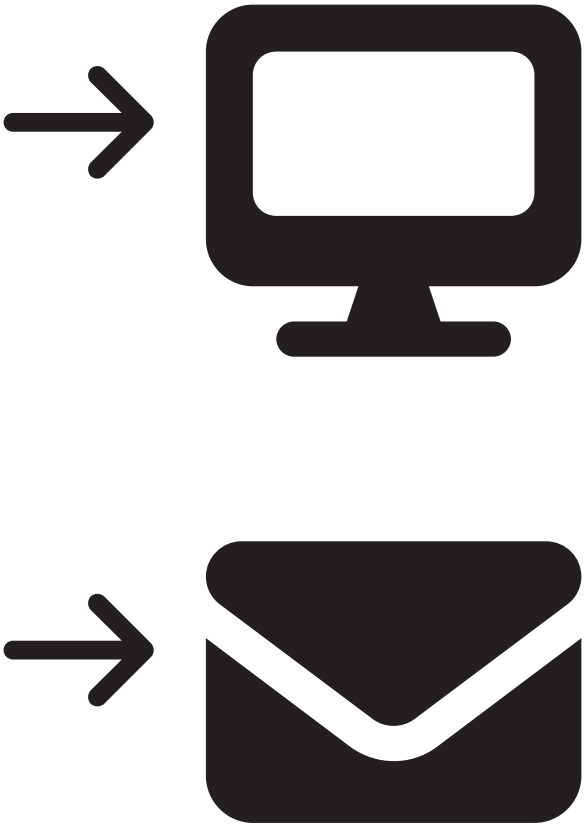
Extend your cover with

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**.

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

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