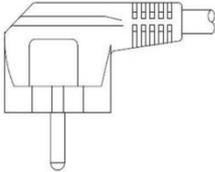
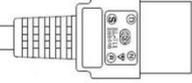
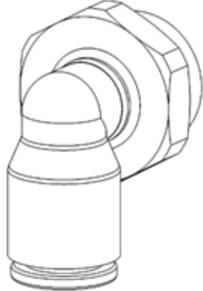
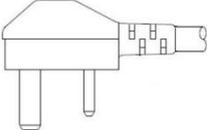
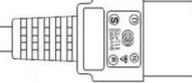
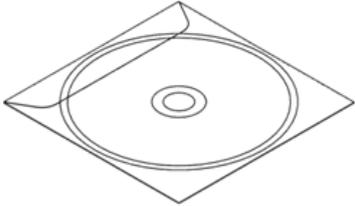
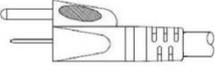
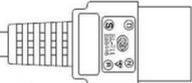
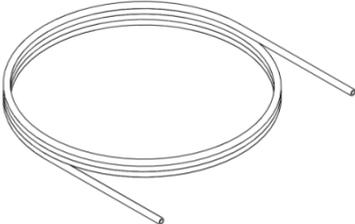
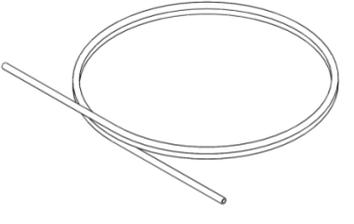
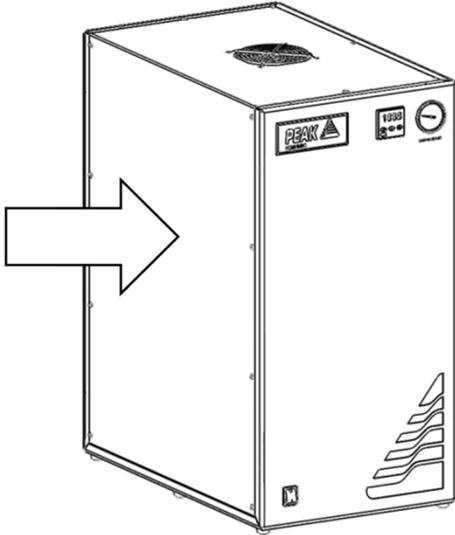


## Installation Guide – SCTOCA Generator

<b>FITTINGS KIT</b>	
<p>EL-202 CEE(7) VII</p>  <p style="text-align: right;">EL-711 IEC/EN 60320/C19</p>  <p style="text-align: right;"><b>x 1</b></p>	 <p style="text-align: right;"><b>x 2</b></p>
<p>Mains Cable – Euro</p>	
<p>EL-210 (13A) BS 1363/A</p>  <p style="text-align: right;">EL-711 IEC/EN 60320/C19</p>  <p style="text-align: right;"><b>x 1</b></p>	<p>6mm Push-fit Fitting</p>
<p>Mains Cable – UK</p>	 <p style="text-align: right;"><b>x 1</b></p>
<p>EL-309 NEMA 6-15P</p>  <p style="text-align: right;">EL-711 IEC 60320/C19</p>  <p style="text-align: right;"><b>x 1</b></p>	
<p>Mains Cable - US</p>	<p>CD containing User Manual</p>
 <p style="text-align: right;"><b>x 3m</b></p>	 <p style="text-align: right;"><b>x 2m</b></p>
<p>6mm Teflon Tube</p>	<p>6mm Nylon Tube</p>

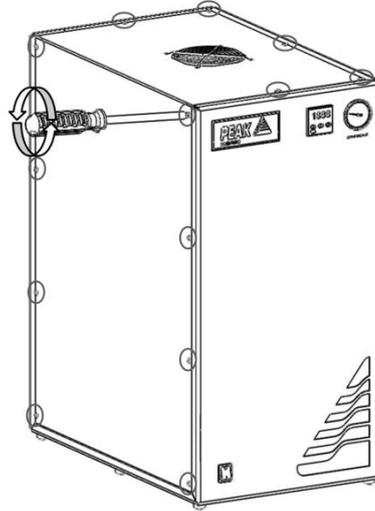
## INSTALLATION

1.



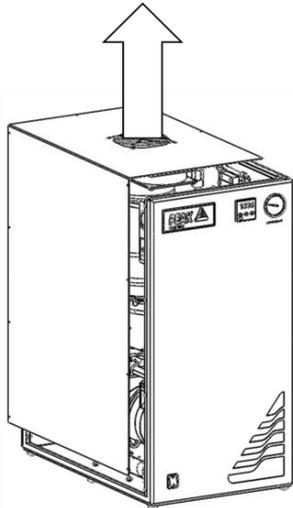
Unpack the generator from the shipping crate and place on a flat surface. To remove the transit brackets, firstly remove the lid.

2.



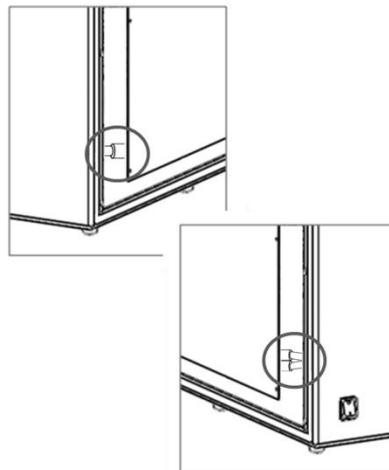
Using a Pozidrive # 2 screwdriver, remove the 13 screws around the edge of the lid, shown above.

3.

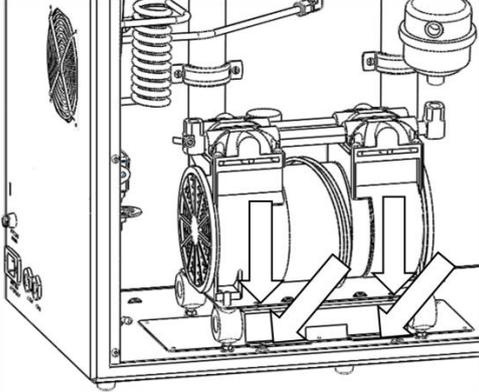
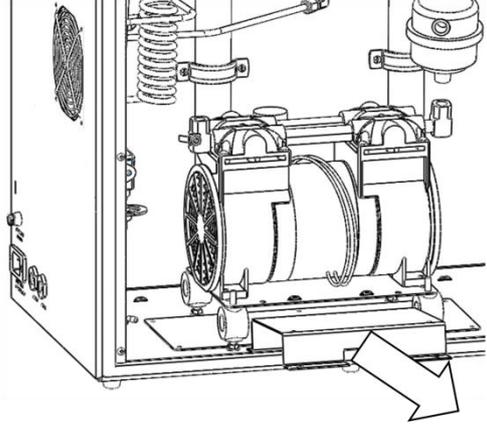
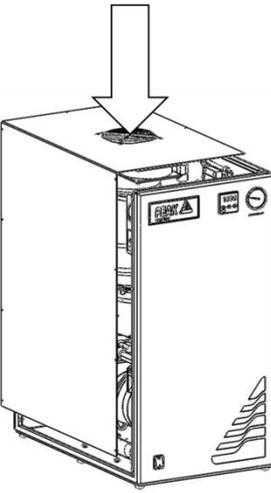
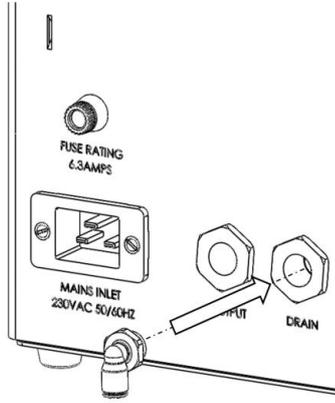
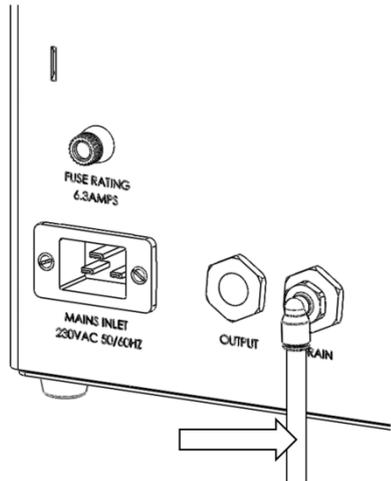


Remove the lid by lifting upwards.

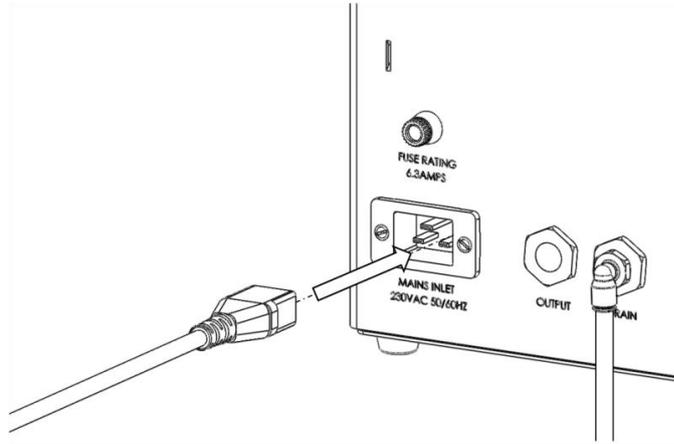
4.



Ensure to remove the earth lead on the left side of the panel and the fan connector leads on the right.

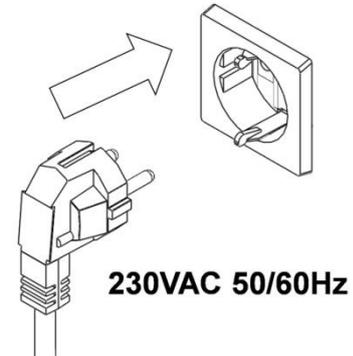
<p><b>5.</b></p> 	<p><b>6.</b></p> 	
<p>With the panel removed you now have access to the transit brackets. These are located under the compressor and are painted red. To remove the transit bracket remove the 4 screws as indicated.</p>	<p>Once these screws have been removed the transit bracket can be pulled out as shown.</p>	
<p><b>**NOTE**</b></p> <p>Do not discard the transit brackets or screws as these will be needed again if the unit is to be transported from its current location.</p>		
<p><b>7.</b></p> 	<p><b>8.</b></p> 	<p><b>9.</b></p> 
<p>Re-attach the lid, ensuring you connect the earth lead, and fan connector lead.</p>	<p>From the fittings kit, select one of the 6mm push-fit elbow fitting and connect it to the port marked '<b>DRAIN</b>' on the rear of the unit using a 16mm or 5/8" spanner.</p>	<p>Connect the 2m Nylon tube to the drain line, ensure the tube is pushed fully in and gripped securely by the fitting. Fit the other end of the drain line to a suitable drain connection or container. The container must <b>NOT</b> have an airtight seal as water and air will be expelled periodically under a slight pressure.</p>

10.



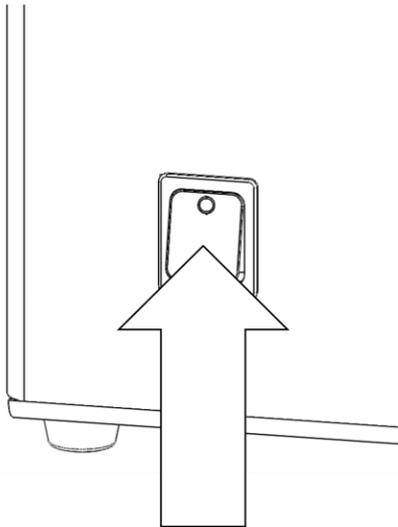
Select the appropriate mains cable from the fittings kit and plug the IEC 60320/C19 socket into the mains input at the rear of the generator.

11.



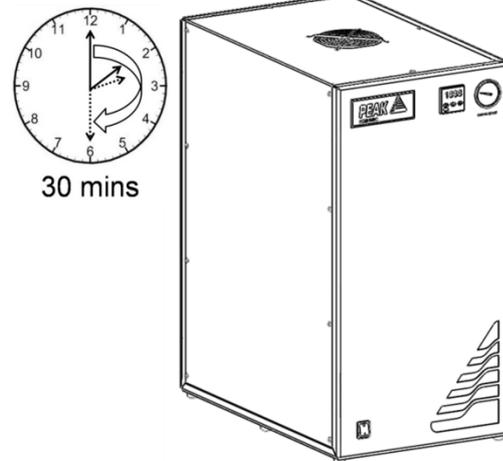
Plug the mains cable into an appropriate 230VAC 50/60Hz single phase power supply

12.



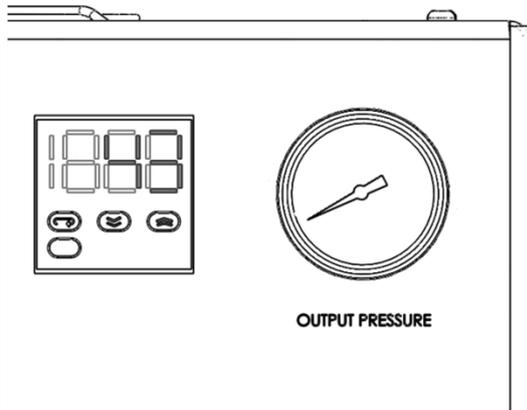
Switch the generator power **ON** at the switch on the front panel.

13.

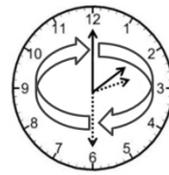


During the initial 30 minutes the generator should reach a pressure of 80psi, and a temperature of 400°C.

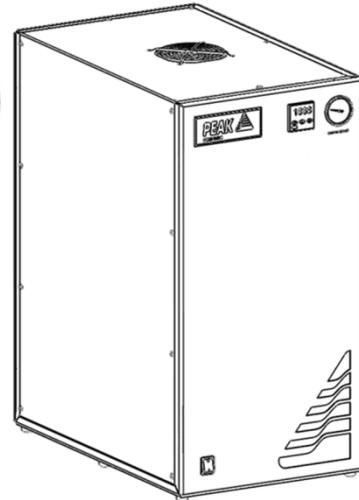
14.



15.



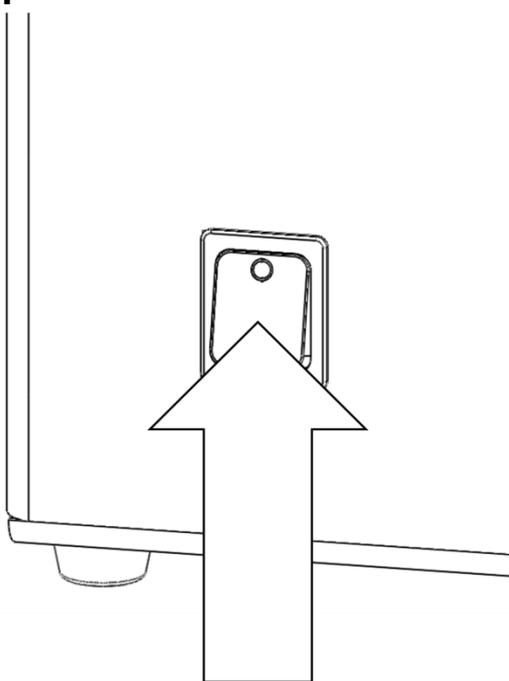
16 hours



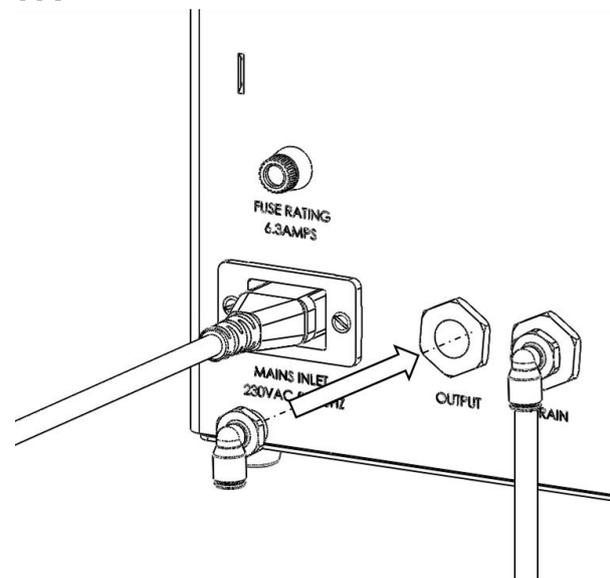
If at any point during the 30 mins there is an apparent problem reaching pressure or temperature, contact Peak Scientific.

With pressure and temperature successfully achieved, allow the generator to vent to atmosphere for 16 hours, before connecting to any equipment.

16.



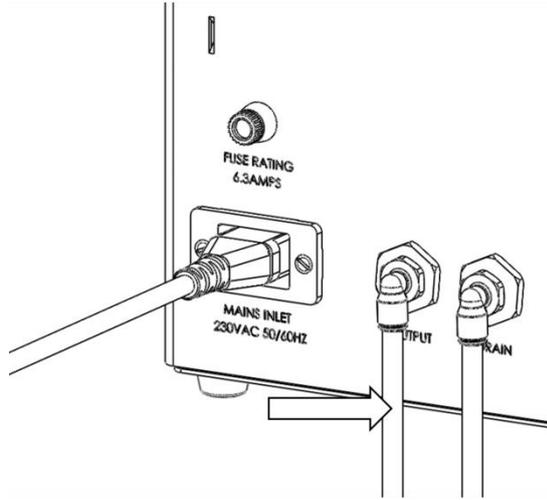
17.



After 16 hours the system is now operational and should be switched **OFF**.

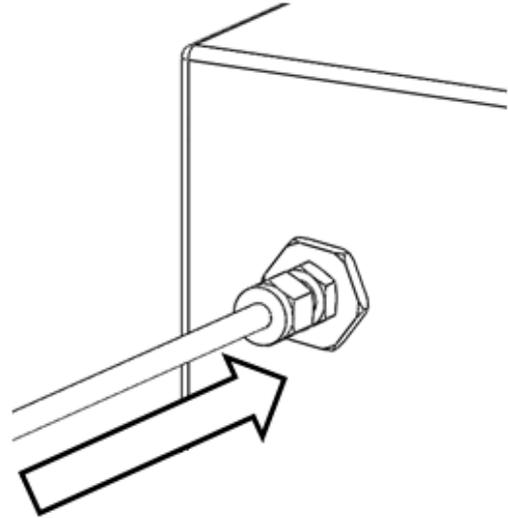
To connect to the instrument Select the other 6mm push fit elbow fitting from the fittings kit and connect it to the port marked '**OUTPUT**'

18.



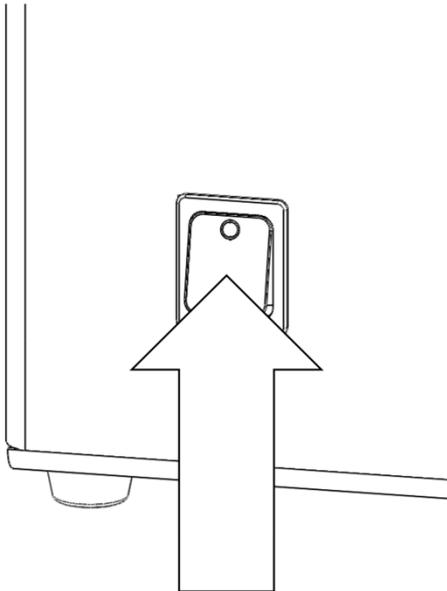
Select the appropriate size Teflon Tube\*\* and connect to the elbow port.

19.



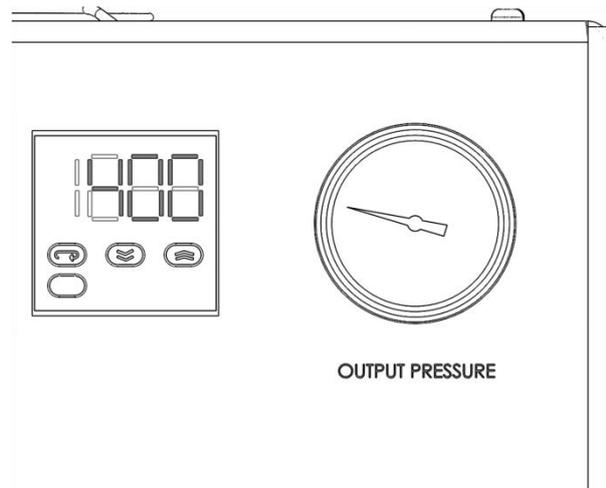
Connect the other end of the Teflon tube to the Instruments input.

20.



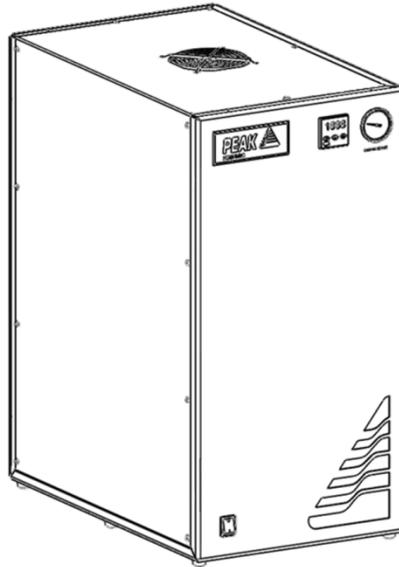
Switch the machine back **ON**

21.



The temperature, and pressure will now quickly reach '**400°C**' and '**80psi**' respectively

**22.**



## CONGRATULATIONS

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

### General Notes

\* The generator will operate on voltages of 230VAC +/- 10%. This means it will operate between 207V and 253V. If the generator is operated on a supply voltage of less than 220V the internal compressors will work harder and the service life of the compressors will be reduced. It is ok to operate the generator on a mains voltage between 207V and 220V for a short period of time, however we would recommend fitting the listed transformer at your earliest convenience. Mains voltages between 220V and 253V no transformer is required.

\*\* The 3m length of Teflon tube supplied in the fittings kit is to allow the generator to be installed adjacent to the instrument it is supplying. If the generator is to be installed further away from the instrument then attention needs to be paid to pressure drops that could occur. The maximum distance away from the instrument the generator can be placed still using 6mm (4mm internal diameter) or ¼" (3/16" internal diameter) tubing is 10m. For further information relating to tubing lengths please refer to the user manual.

For all other technical specifications, operating instructions, service requirements, contact details and trouble shooting, please refer to the user manual contained on the CD supplied in the fittings kit. Please keep this for future reference.



**23.**

It is very important to register your generator with PEAK SCIENTIFIC. This will initiate your warranty entitlement. Please use the form on the next page to register your generator. You will need the generators serial number which can be found on the serial label on the rear of the generator.

## Product Warranty Registration

# IMPORTANT

To register your Generator and guarantee Warranty entitlement, send the completed form to Peak Scientific by:

- Email to [marketing@peakscientific.com](mailto:marketing@peakscientific.com)
- Online [www.peakscientific.com/service-and-support/warranty\\_registration](http://www.peakscientific.com/service-and-support/warranty_registration)
- Phone to +44 (0)141 530 4185
- Fax to +44 (0)141 812 8200

Product Warranty Registration	
Company:	Contact Name:
Address:	
	Email Address:
City/Town:	<b>Generator Serial Number:</b>
Postcode:	
Country:	Model Type: SCTOCA
Telephone:	<b>Installation Date (DD/MM/YYYY):</b>

### Contact Information

Technical Help Desk	tel: +44 (0)141 530 4180	email: <a href="mailto:support@peakscientific.com">support@peakscientific.com</a>
USA	tel: + 1 866 732 5427	email: <a href="mailto:usasupport@peakscientific.com">usasupport@peakscientific.com</a>
India	tel: +91 (0)40 2780 0663	email: <a href="mailto:indiasupport@peakscientific.com">indiasupport@peakscientific.com</a>
South Africa	tel: +27 (0)83 296 4516	email: <a href="mailto:peakafrica@peakscientific.com">peakafrica@peakscientific.com</a>

Installation and Maintenance Visits: tel: +44 (0)141 530 4190

Service Contract Quotation and Renewals: tel: +44 (0)141 530 4185  
email: [maintenance@peakscientific.com](mailto:maintenance@peakscientific.com)

Spare Part Enquiries: tel:+44 (0)141 530 4181  
email: [spares@peakscientific.com](mailto:spares@peakscientific.com)