

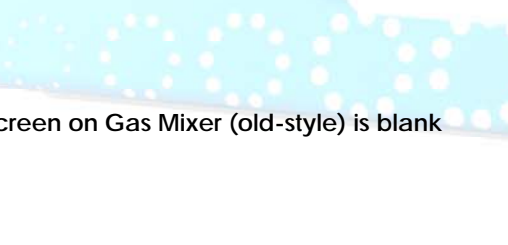



# Ruskinn Workstation FAQs & Troubleshooting Guide

Problem/Complaint	Possible Cause(s)	Resolution
<p><b>My Ruskinn unit is using excessive amounts of Nitrogen (N2)</b></p>	<ol style="list-style-type: none"> <li>1. Water level low in water tank (can cause bubbling)</li> <li>2. Leak in tubing (blue or black) inside chamber</li> </ol>	<ol style="list-style-type: none"> <li>1. Check water level; add water if needed.</li> <li>2. Replace tubing and/or 'bladder' clamps. All tubing outside chamber should also be snipped approx. half an inch (make sure cut is straight) to enable fittings to reseal.</li> </ol>
<p><b>My O2 sensor will not calibrate properly</b></p> <p><i>Note: Calibration should be done once per week at 20.9%, which is normal atmospheric level, to ensure accurate readings. O2 sensors should be changed every 12-15 months.</i></p>	<ol style="list-style-type: none"> <li>1. O2 sensor is old, defective, or battery has failed</li> </ol>	<ol style="list-style-type: none"> <li>1. Check O2 sensor battery: <ul style="list-style-type: none"> <li>- Remove sensor</li> <li>- Check outside terminals w/ a volt meter (reading should be 10+ millivolts)</li> <li>- If reading is good contact BBS for technical assistance. If bad, replace sensor.</li> </ul> </li> </ol>
<p><b>My Gas Mixer is in alarm mode and doesn't work</b></p>	<ol style="list-style-type: none"> <li>1. Low pressure.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check regulators. Gas mixers (old and new 'Q' version) will go into alarm mode if any of the gas pressures (N2, CO2, Air) are below 40 PSI. All external gas regulators should be set for 50-55 PSI.</li> </ol>
<p><b>I cannot pump down my sleeves when I want to enter the chamber any longer</b></p>	<ol style="list-style-type: none"> <li>1. Vacuum pump is not operating</li> <li>2. Foot pedal pump is defective</li> </ol>	<ol style="list-style-type: none"> <li>1. Check pump fuse on top of chamber (under cover, fuse is labeled). If bad, replace. If fuse is good, see step #2.</li> <li>2. Verify foot pedal pump makes a clicking sound when engaging. If okay, replace vacuum pump. If no 'click' then foot pedal may require replacement.</li> </ol>
<p><b>I set my chamber temperature for 37.5 C but it only reaches around 20 C</b></p>	<ol style="list-style-type: none"> <li>1. Heater pad in chamber is not working</li> </ol>	<ol style="list-style-type: none"> <li>1. Check heater pad to make sure it is turned on (yellow light on lower left) and is set to the correct set point (37.5 C). If still not reaching temp., the safety breaker may have been tripped or the heater pad is defective. Replace breaker and/or pad.</li> </ol>

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<p>Cuffs and/sleeves are having to be frequently replaced</p>	<ol style="list-style-type: none"> <li>1. Personnel are entering through the cuffs without removing jewelry (rings, bracelets, watches, etc...). Over time, this could tear or cause pinholes in the cuffs and/or sleeves, which can lead to leaks in the chamber.</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove any jewelry that may snag or catch on the material of the cuffs/sleeves.</li> </ol>
<p>I am trying to retrieve data from the USB of my new Gas Mixer Q, but nothing happens</p>	<ol style="list-style-type: none"> <li>1. Thumb drive not formatted to enable it to retrieve the data</li> <li>2. Too much data already on the USB</li> </ol>	<ol style="list-style-type: none"> <li>1. Reformat the thumb drive to FAT32 Format Utility.</li> <li>2. Remove existing contents of thumb drive and retry.</li> </ol>
<p>I have no power to my internal outlet in the chamber</p> 	<ol style="list-style-type: none"> <li>1. Breaker on right side of chamber is off/tripped</li> <li>2. Fuse blown</li> </ol> 	<ol style="list-style-type: none"> <li>1. Check the instrument you are plugging into this outlet to be sure it is functioning properly and does not exceed the maximum amperage allowed by the breaker on the outlet. If instrument is okay, check breaker and reset if necessary.</li> <li>2. Check the fuse on the terminal strip on the top of chamber (it is labeled). The cover must be removed in order to accomplish this. If blown, replace fuse.</li> </ol>
<p>Screen on Gas Mixer (old-style) is blank</p> 	<ol style="list-style-type: none"> <li>1. Fuse blown</li> <li>2. Display failure</li> </ol> 	<ol style="list-style-type: none"> <li>1. Turn power off, remove metal cover of mixer, check display fuse (there are three fuses; the display fuse is the 1 amp fuse at the top of the 'double-stack'). If fuse is okay, see step #2.</li> <li>2. Display has likely failed. Replace display.</li> </ol>
<p style="text-align: center;"><b>For additional troubleshooting assistance, please contact our service department at 877-350-6414 or 800-992-2537, ext. 497</b></p>		