

# SRI model 760 Vacuum pump

Sept 2023

The SRI Model 760 Vacuum pump is supplied as part of the vacuum pump Interface inside the SRI GC. Part# 8690-0073

It is also available alone as part# 8670-1073 ( \$550 as of 2023 ) This replaces part# 8670-0073 which is no longer available

We have used other types of vacuum pump in the past but we like this type because its very quiet and can reach a very low vacuum.

The vacuum and noise level can be controlled by the user by adjusting the voltage feeding the pump.

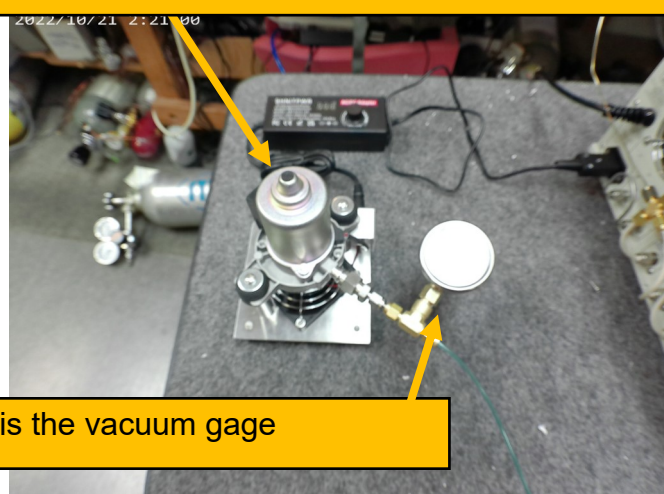
At 5-6 volts ( normal operating range ) the vacuum is about  $-20$ "Hg and at 10 volts the vacuum is about  $-30$ "Hg.

The voltage is controlled and displayed on the power supply.

The power supply runs on 100-230 volts AC and produces 0-12 volts DC depending on the adjustment knob.



This is the vacuum pump



This is the vacuum gage



SRI Tech Support: 310-214-5092

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The power supply plugs into the power jack on the left rear of the SRI GC.

The power to this jack is controlled by the PeakSimple software. Event "D" is normally used to control the pump so you would configure the Event table in PeakSimple to turn the pump on or off at the times you select.

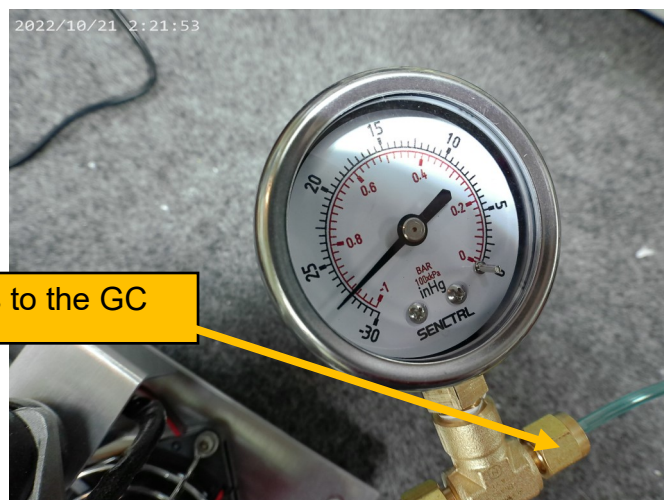
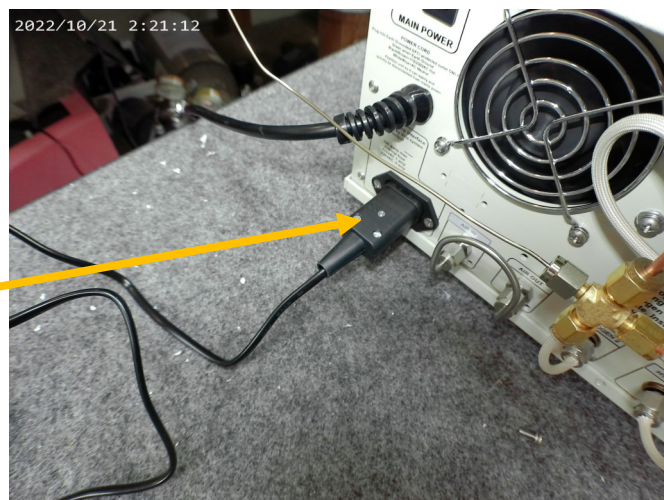
The vacuum gage displays the vacuum.

The tube from the vacuum gage connects to the GC's outlet fitting.

This is the tube which connects to the GC

At voltages above 8 volts the cooling fan may stop ( but not be damaged ) because the fan is nominally a 5 volt fan and is internally protected from higher voltages. The vacuum pump can get hot with continuous operation so a 12 volt fan should be substituted for the 5 volt fan if you operate the pump above 8 volts for a long period of time.

Typically the vacuum pump is only operated for a few minutes at a time as part of a GC cycle so it does not get hot.



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