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Informative Memo

To: All Parties Who Have Purchased A Rapid Assessment Chamber

From: Insulating Glass Certification Council (IGCC®)

Date: February 11, 2025

Subject: Power Requirement Reminder for the Rapid Assessment Chamber

The Rapid Assessment Chamber (RAC) is equipped with four 120 Volt power plugs, and each power plug must be used with its own independent circuit, and should never use extension cords to get power to the system. The PLC cabinet should have its own uninterrupted power source (UPS) with voltage stabilization. We will be providing an additional tag to be attached to the heating elements power cable to affirm that it must be put onto its own 20 Amp circuit.

The heating element on the RAC should be put on its own 20 Amp circuit to prevent overloading power to the breaker. The max draw for the heating element is slightly over 15 Amps. The compressor for the system must also be on its own independent 15 Amp circuit, it draws only about 5 Amps, but if accidentally placed on the same circuit as the heating element can cause an overloading of the 20 amp circuit. Additionally the ballast for the UV bulbs should also get its own dedicated 15 amp circuit. Having them on sperate circuits will prevent overloading and assist in troubleshooting if there is ever a short in the system.

The PLC cabinet's power source should be equipped with a UPS battery backup on its own circuit, this will ensure that if the system experiences power fluctuations or momentary power loss that the system can continue testing once power is restored and testing will proceed uninterrupted. The UPS should be equipped with voltage stabilization in case of a voltage dip (brown out). This will prevent any malfunction that the low voltage components inside of the PLC cabinet could experience if continuous 120V power is not supplied. An error message will appear in the diagnostics screen if a dip in voltage does occur. If you would like a recommendation on a UPS please contact Mitch Majewski (mmajewski@amscert.com).

No extensions cords should be used with the RAC during installation or operation. Additionally no other components are recommended to be used aside from the attached power plug end that come with the machine.

Additionally, we will be providing a tag to be applied to the heating elements power cable. The tag indicates "Overload Warning. Use only with 20 Amp Circuits. Do not combine circuits." If you have any more questions or concerns please feel free to contact us.

Sincerely,
Mitch Majewski
RAC Project Manager