



TECH TIPS

a technical bulletin by the experts at Gaco Western

Prevent your Reactors from Overheating & Shutting Down

Summer is officially here! And now that it's starting to really heat up out there you may begin to see more error codes on your reactor machines.



The **E-05 error** typically occurs when the thermal limit sensor on the circuit board is tripped from excessive heat (>185°F/85°C) which in turn causes the machines to shut down. The **E-27 High Motor Temperature error** can be caused by the fan being dirty or burnt out, and also by getting too hot.

Why do these errors happen?

Like all computers, there is an internal fan in the main housing of the reactor that is intended to cool the circuit boards down - if this fan becomes blocked or is not operating properly it will not be able to cool the boards.

Following are some simple preventative measures:

One of the easiest ways to prevent overheating is to keep the front door installed on the cabinet that encloses the reactor machine. If there is no door, it becomes very difficult for the fan to properly circulate air over all the circuit boards. When the air cannot properly circulate the boards and motor will not cool correctly and

you will eventually see the E-05 or E-27 error code.

Another way to prevent overheating is to make sure the area in and around the fan remain clean and unobstructed from dust, poly, foam and all other jobsite debris. Be equally aware of the area under your reactor - most reactors pull intake air from under the machine across the boards through the electric motor and vent through the opposing side, so be sure to keep a clear pathway for that air to flow smoothly.

And of course you want to try and keep the inside of your truck/trailer at a reasonable temperature. This not only helps keep your reactor machine cool but will also help ensure your chemicals remain within the manufacturer's recommended temperature limitations. Controlling temperature can be as simple as purchasing a portable air conditioner and venting it through your hose door or cutting out a dedicated 3-4" vent for the A/C exhaust line. 

Having trouble with foam? Just pick up the phone!

Gaco Western's Tech Hotline:
855 639 4649

8am - 8pm CST, Mon-Sun

Ideas, suggestions or questions?

techtips@gaco.com

Page 1 of 1