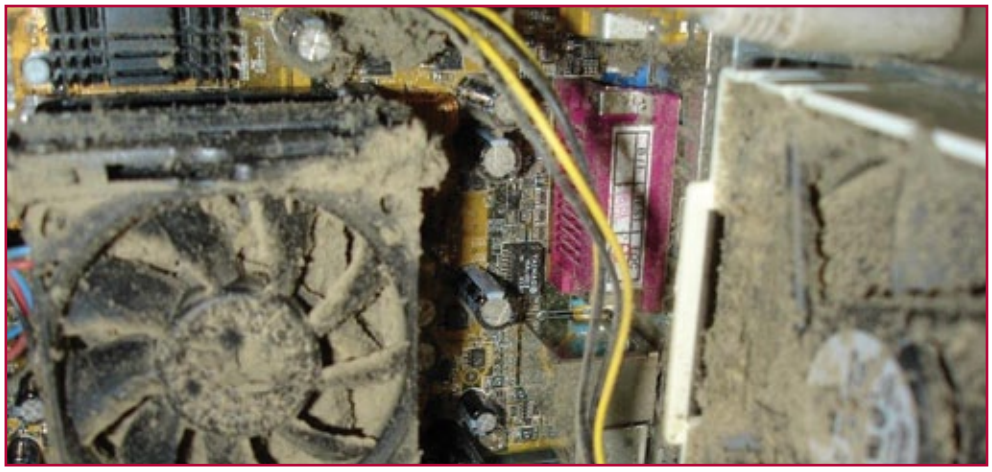
TECH TIPS
a technical bulletin by the experts at Gaco Western

Prevent your *REACTORS* from *OVERHEATING* & Shutting Down

Summer is officially here! And now that it's starting to really heat up out there we'll begin to see more E05 error codes on the reactor machines.

The E05 error typically occurs when the thermal limit sensor on the circuit board is tripped from excessive heat; this in turn causes the machines to shut down. Why does this happen? Like all computers, there is an internal fan in the main housing 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 this is to keep the front door installed on the cabinet that encloses the reactor machine. So many times I arrive on a jobsite and see there's no door which makes it very difficult for the fan to properly circulate air over all the circuit boards. When the air cannot properly circulate then the boards will not cool correctly and you will eventually see the E05.

Another way to prevent this 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 and vent thru the opposing side so be sure to keep a clear pathway for that airflow.

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 limitations. This can be as simple as purchasing a portable air conditioner and venting it thru your hose door or cutting out a dedicated 3-4" vent for the A/C exhaust line.

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Have an idea, suggestion or questions?

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