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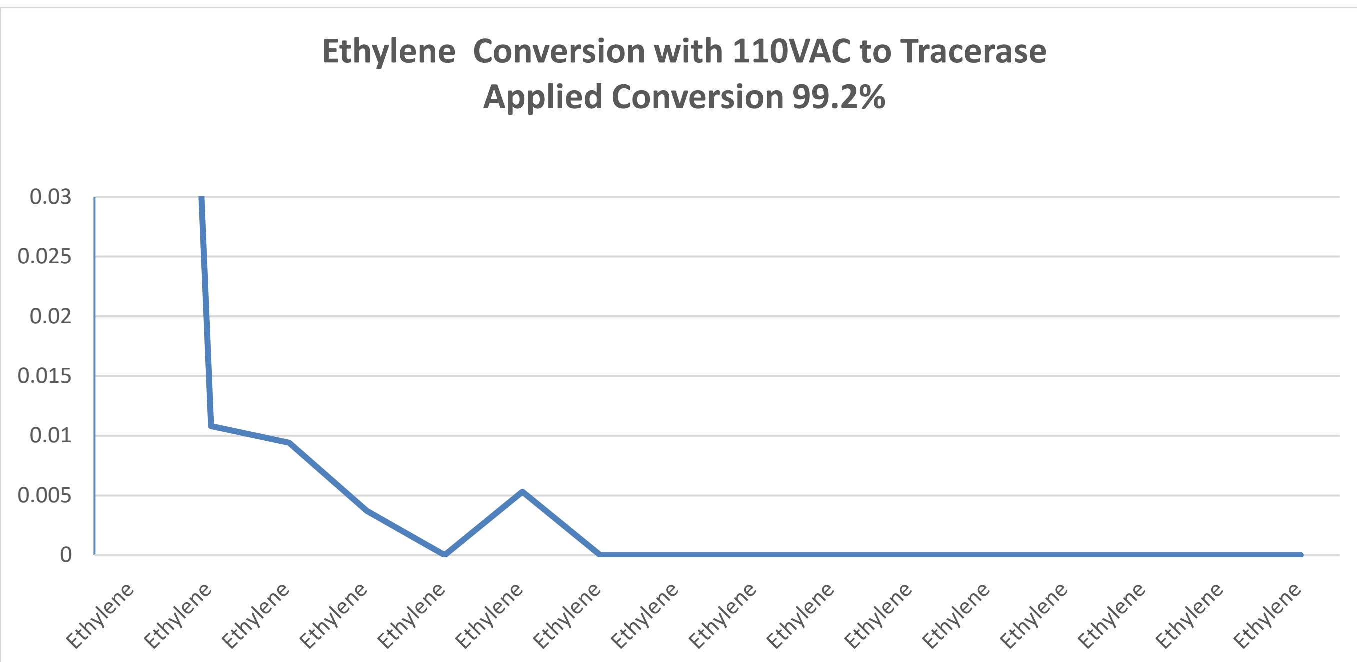
MTI TRACERASE DATA JANUARY 28, 2025

On January 28, 2025 Smith Analytical conducted a performance test on a MTI Tracerase®. The test gas was Ethylene and was conducted using the U.S. PATENT PENDING 63/655,894 Smith Analytical control panel designed to mix air with the vent gas (Ethylene in this case) to ensure complete combustion of the vent gas. In testing conducted it has been determined that once the proper mix of vent gas to air is achieved and the reaction begins, the 110VAC power provided to the heater is no longer required as the heat generated by the exothermic reaction provides the heat to maintain the reaction as long as the proper vent gas to air is maintained.

In Figure 1 below is the Ethylene reading with 110VAC power applied the Tracerase® and the proper ratio of vent gas :air being provided to the unit.

FIGURE 1 – Tracerase® Operating as Normal with Proper Ratio of Vent Gas to Air Provided



TRACErase™ is registered US trademark

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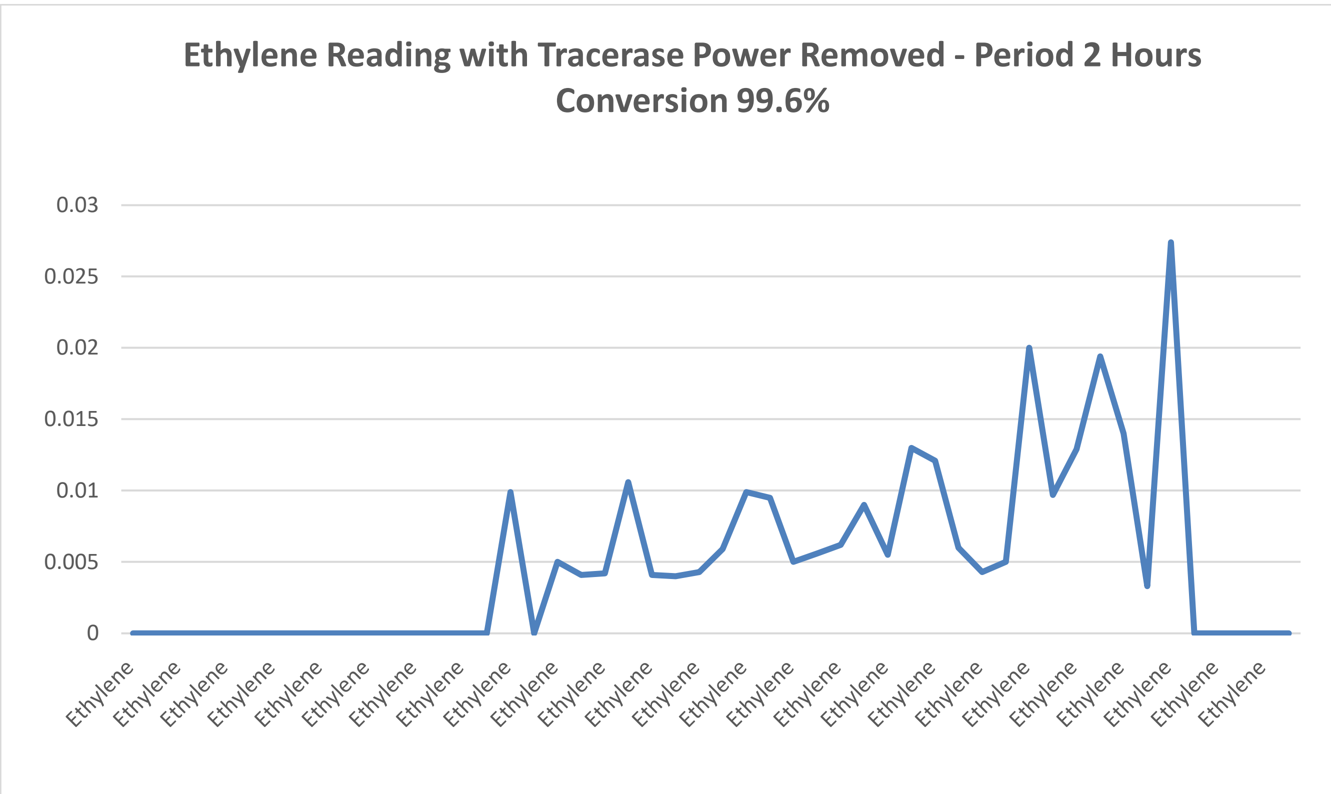
In Figure 2 below is the Ethylene reading with 110VAC power removed the Tracerase® and the proper ratio of vent gas :air being provided to the unit. The heat generated by the exothermic reaction maintains the reaction.

FIGURE 2 – Tracerase® with 110VAC Power Removed with Proper Ratio of Vent Gas to Air Provided



Conclusion

Provided the correct ratio of vent gas to air is introduced into the Tracerase® catalytic device, power is not required for the 110VAC heater to maintain 99% conversion.