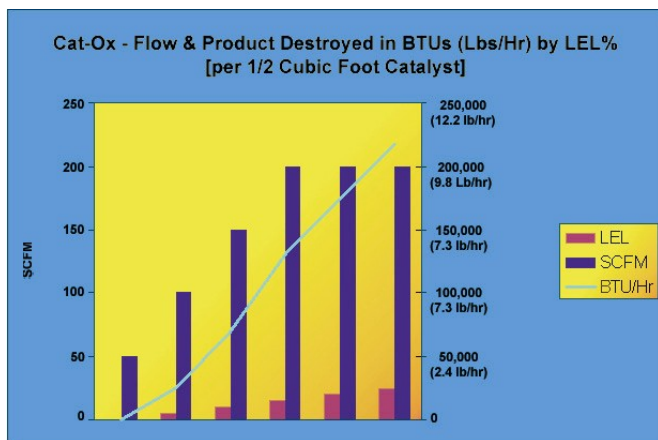
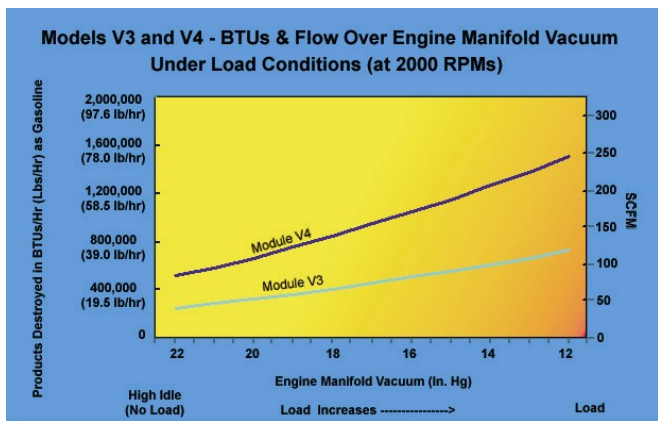
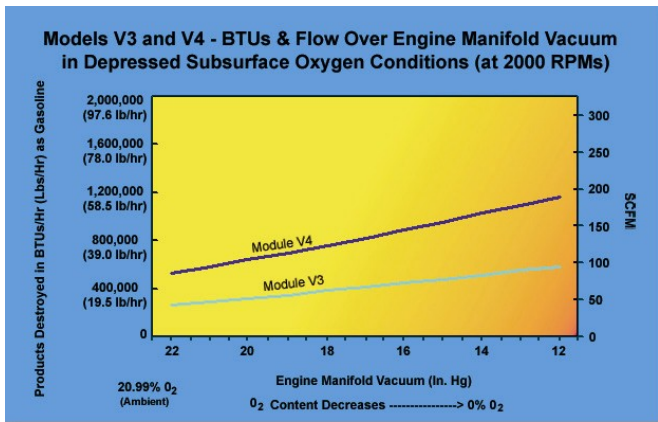


VOC Emission Control



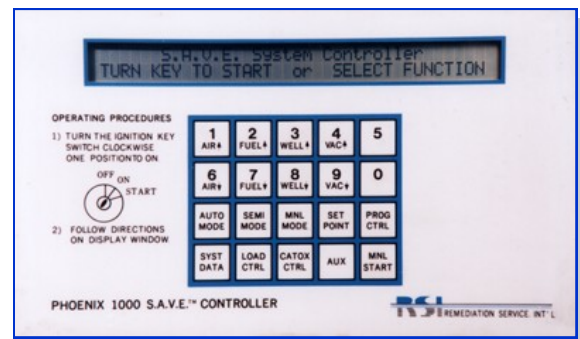
Note: Total air throughput remains constant at set RPM and manifold vacuum. Engine manifold vacuum is a function of rpm, load, timing, & air-fuel ratio. Typically, systems are operated at high RPM, minimal load, advanced timing, and at or near stoichiometric air-fuel ratio, which results in high engine manifold vacuum.

The Phoenix S.A.V.E.™ Controller

Maintaining optimal A/F ratio is challenging with variations in site conditions, such as fluctuating hydro-carbon, oxygen or carbon dioxide concentrations. Competing systems require constant operator input to adjust to changing conditions.

RSI developed the Phoenix engine controller to handle virtually any change in site conditions, from a slug of free product to a temporary loss of supplemental fuel. It maximizes vapor flow from the extraction wells and minimizes alternate fuel consumption simultaneously.

The electronic controller senses any deviation from the stoichiometric air-to-fuel (A/F) ratio to optimize contaminant destruction and meet stringent air emissions standards. With the ability to optimize system operation to meet Air Quality Control standards, the patented computerized control system is cutting edge technology.



The Project Manager

The optional "Project Manager" software module allows for control of the "Smart Valve Manifold System". This unique system optimizes BTUs extracted from the contamination source by purposely rotating from well to well and determining the most efficient combination of wells to extract from. This will reduce energy cost from alternate fuel and increase Contaminant removal rates. The system can be manually overridden for operator control, both on and off site.

Patents Pending

