

SuperGen Fueled by V-Mix

SuperGen fueled by V-Mix represents the third generation of controlled endothermic and exothermic gas production. Utilizing the latest sensor technology, SuperGen continuously updates the flow curve database based on atmospheric changes and catalyst conditions. As a result SuperGen provides improved process control, increased turndown and faster response to gas demand changes.



V-Mix

- Direct replacement for carburizer mixing systems
- Controls generator temperature & dew point
- Flexible blower configurations simplifies pipe installation
- Local display for setup and troubleshooting
- Flexible resizing of smallest to largest blower replacement
- Simplified wiring using standard industrial circular connections
- Local VFD minimizing wiring to reduce EMI
- Automated Features
 - Trim control for accurate dew point
 - Clogged filter alarm
 - Over/under drive of ratio making up reaction gas lag
 - Ratio table created for demand variation
 - Automatic sensor tare at startup

SuperGen Sizing

SuperGen V-Mix Small	500-2,500 CFH
SuperGen V-Mix Medium	2,501-9,000 CFH
SuperGen V-Mix Large	9000-13,500 CFH

Specifications

Control Power	24VDC
V-Mix Power	230/460 VAC
Communications	Modbus TCP, Modbus RTU
Gas Type	Natural Gas, Propane, Other
Maximum Gas Pressure (Pre-Mix)	5 psig
Minimum Gas Pressure (Pre-Mix)	.1 psig
Turndown Ratio	~6:1
Max. Operating Temp	122 °F / 50 °C
Endothermic Gas Capacity	700 - 13,500 scfh / 19.82 - 382.32 m³/h



SuperSystems
incorporated