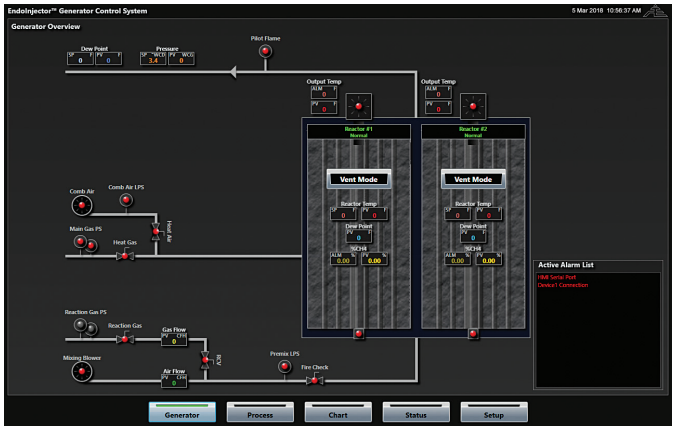
UPC MARATHON

NITREX

ENDOFLEX™
ENDOTHERMIC GAS GENERATORS

The advanced EndoFlex™ endothermic gas generator combines our patented EndoInjector™ fuel injection generator control system with our high-efficiency ReactionCore™ technology to lower the operation and maintenance costs of producing high quality endothermic gas for heat treatment furnaces. The generator is equipped with the latest sensors to monitor dew point, unreacted methane, and energy consumption. The large-format touchscreen interface provides easy access to review generator operations, and the integrated paperless chart recorder tracks generator performance to meet production auditing requirements.



FEATURES & BENEFITS

- Lower operating costs and emissions waste from 20-80% of generator capacity
- Automatic endothermic gas pressure control, eliminating regulator adjustments
- Multi-retort design reduces cost and allows for quick replacement of essential components
- Separate methane (CH_4) sensors provide data for scheduling retort burnout for each chamber
- Filter change indication, improving system efficiency and operation time
- Built-in software for ease of scheduling, maintenance and paperless data logging

EndoInjector™ Control System

A precision gas mixing and control system for endothermic gas generators, the EndoInjector™ incorporates a patented fuel injection design that utilizes electronic flow measurement and precise ratio control to consistently provide the ideal gas mixture for high quality endothermic gas generation.

EndoInjector™

ReactionCore™ technology is a proprietary generator design that replaces a single large retort with several smaller centrifugally-cast retorts to significantly increase the surface area, improve the heating efficiency of the reaction chamber, and reduce the heating energy required for the production of endothermic gas. Thanks to the smaller retort design, the cost of replacement parts is significantly reduced.

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