

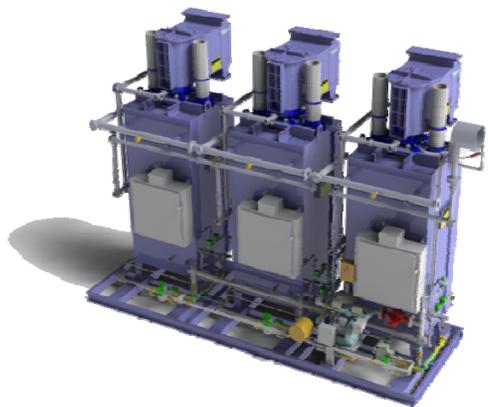


EZ[®] SERIES MODULAR ENDOTHERMIC GAS GENERATOR

AFC-Holcroft's EZ[®] Series endothermic generator is designed for easy maintainability along with consistent, reliable operating results. The modular design of these new, improved generators also gives you the capability to add additional modules as needed.

AFC-Holcroft's modular endothermic generator consists of a vertical reaction chamber module configured in a gas-heated combustion chamber. Atmosphere gas is generated by the endothermic reaction of an air/gas mixture within the retort containing a reaction catalyst. The approximate analysis of the resultant gas is 19.8% CO, 0.2% CO₂, 39.6% H₂, <0.1 CH₄ and 40.3% N₂.

Master Control Cabinet—when configured for multiple units, temperature & dewpoint control instrumentation and operational logic are located in the master cabinet. This allows for easy addition of up to two additional modules. The unit has its own standalone cabinet.



AFC-Holcroft modular generators are compact and designed to be located in traditionally unsuitable areas with low ceiling height. Multiple module configurations have the ability to expand capacity with ease.

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Hinged retort access door for easy retort maintenance

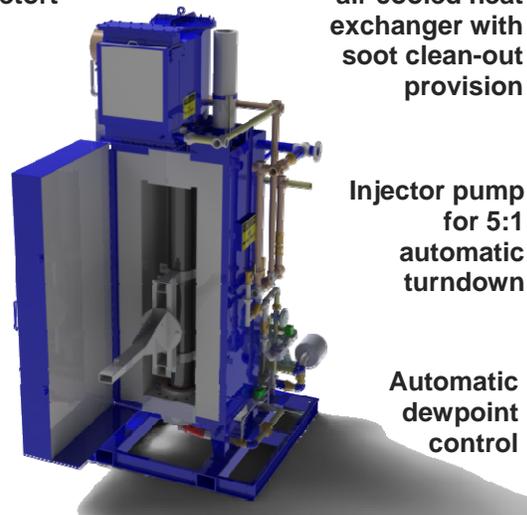
Optional detachable yoke for easy removal of the retort by fork-lift.

Recuperated ring burner improves combustion efficiency

High efficiency air cooled heat exchanger with soot clean-out provision

Injector pump for 5:1 automatic turndown

Automatic dewpoint control



GENERATOR FEATURES

- Individual stand alone control, so additional generator modules can be added EASILY at a later date as your production needs increase.
- No longer is added head room required for retort maintenance.
- Retorts can be removed through the full height access door.
- High efficiency air cooled heat exchanger stays in place undisturbed when maintaining the retort.
- The heat exchanger has provision for soot removal without contaminating the catalyst bed.
- Reliable dew point control so performance can be tracked.
- Each generator module is a stand alone system with its own combustion system, pressure switches, sensors, and separate burn out provision.
- Multiple units are integrated to function as one system electronically, while individual systems can be selected for maintenance and burn out procedures.
- Temperature, ratio and dewpoint control with color touchscreen interface.
- Unique baffle recuperator provides pre-heated air to ring burner, increasing combustion efficiency.
- Regenerative blower provides 5:1 turndown.