



# LECTRODRYER

TURBINE /GENERATOR AUXILIARY EXPERTS

## Water Injection Pump Skid

The Lectrodryer Water Injection Pump Skid increases the pressure of Demineralized Water supply for injection into the combustion chamber of the gas turbine. Utilizing a Water Injection Pump Skid decreases the amount of NOx in a gas turbines exhaust.

### PRODUCT:

The Water Injection Pump Skid is skid mounted for simple field installation and is constructed of stainless steel wetted components and piping .

The system is composed of:

- Centrifugal Pump
- Pressure Measurement Devices
- Emergency Shut Off Valve
- Filter
- Junction Box for Instrumentation Termination

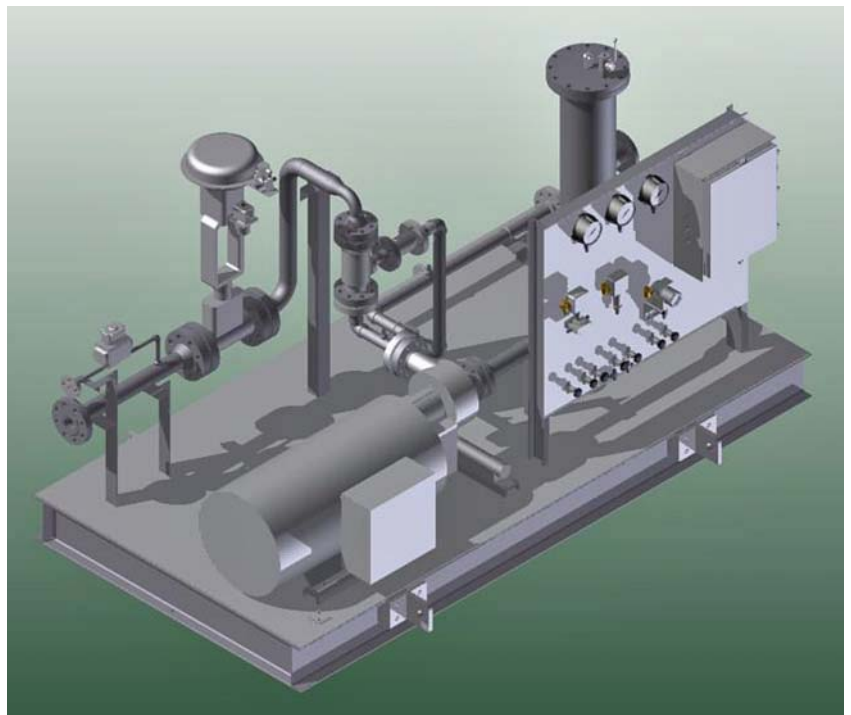


CRN



### DESIGN PARAMETERS:

Gas/Liquid	H <sub>2</sub> O
Operating Pressure	1900 PSIG (131 bar)
Design Pressure	2000 PSIG (137 bar)
Design Temperature	131°F (55°C)
Maximum Flow Rate	145 GPM (548 LPM)
Power Supply	480 volts 3 phase 60 hertz 250 HP
Connection Sizes	4" inlet (100DN) 3" outlet (80DN) 2" return (50DN)
Junction Box	NEMA 4

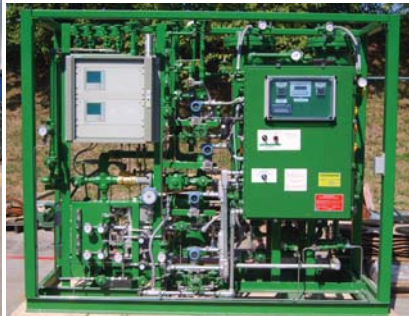


# Lectrodryer Power Sector Products

## Hydrogen Cooled Generator Auxiliaries

Hydrogen is used to cool large stationary generators because of hydrogen's high heat capacity and low density. It is vital that hydrogen remain dry in order to maintain these properties and prevent damage to the generator.

Lectrodryer's BAC-50 hydrogen dryer is a continuous automatic operating unit that guards against damage causing moisture which can lead to costly repairs and extensive down time. The BAC-50 reduces maintenance and minimizes operator involvement. Lectrodryer also offers the Gas Optimization Skid, which incorporates and unifies the typical generator auxiliaries. The Gas Optimization Skid can be tailored to meet customer specifications including such components as the BAC-50 dryer, gas control piping, continuous generator monitoring, generator purity monitoring, and liquid level detectors.



## Landfill Gas

The Lectrodryer Landfill Gas Compression System is designed to compress, clean, and deliver a volume of landfill gas at a specified pressure and quality. The LGCS strives for efficiency, one that minimizes initial cost and seeks to operate at the lowest possible horsepower.



## Lube Oil/Air Tanks

Lectrobreather tank vent dryers prevent atmospheric moisture from entering storage during "breathing" due to ambient temperature changes and draining periods. Valuable oils and chemical solutions remain free of water contamination.



## THERMAL PRODUCTS INC.

Corporate Office: 964A Route 146, Clifton Park, New York 12065. Phone 518-877-0231 Fax 518-877-3329

Eastern New England Office: Phone 978-567-7951 Fax 978-567-0817

Web Page: [www.Thermalproducts.com](http://www.Thermalproducts.com)

E-Mail: [Sales@thermalProducts.com](mailto:Sales@thermalProducts.com)