



LECTRODRYER

TURBINE /GENERATOR AUXILIARY EXPERTS

Compressor Water Wash System

PURPOSE:

The Lectrodryer Compressor Water Wash System is designed to remove foreign material build up from the combustion turbine's compressor blades to boost efficiency and compressor discharge pressure.

PRODUCT:

Lectrodryer offers 3 Compressor Wash Water System versions:

- Automatic Fixed Water Wash System
- Manual Fixed Water Wash System
- Manual Portable Water Wash System



All 3 systems are designed to perform online and offline compressor water washing by supplying de-mineralized water or water and detergent to the gas turbines spray nozzles internal to the compressor plenum. Online compressor washing is utilized to prevent build up of heavy deposits on the compressor blades. Offline compressor washing is performed to eliminate heavier, more difficult accumulation.

DESIGN PARAMETERS:

Fluid	H ₂ O or H ₂ O Detergent Mixture
Operating Pressure	220 PSIG
Design Pressure	250 PSIG
Design Temperature	300 °F
Maximum Flow Rate	40 GPM
Connection Size	1-1/2" supply discharge 1" return
Stainless Steel	316 or 304
Dimensions	76"D x 44"W x 79"H 193 cms x 112cms x 200cms
Approximate Weight	900 lbs / 408 kgs
Pump	5 HP



CRN

IECEX



SQL



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.



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