



LECTRODRYER

TURBINE / GENERATOR AUXILIARY EXPERTS

Seal Oil Skid

The Seal Oil skid supplies oil to the seal rings of Hydrogen Cooled Generators to prevent hydrogen leakage from occurring, as well as to lubricate the shaft and seals. The system maintains the oil at a higher pressure than the generator's hydrogen creating an oil barrier between the shaft and the seal rings preventing any hydrogen from escaping to atmosphere. The Seal Oil Skid also aids in extending the life expectancy of the shaft and seals.

PRODUCT:

The Seal Oil is skid mounted for simple field installation. The system is composed of:

- Plate and Frame Heat Exchanger (Optional: Shell and Tube Heat Exchanger)
- Water Cooler
- Temperature Controls
- Flow Controls
- Duplex Filter
- AC Pump and Motor Assembly (Primary)
- DC Pump and Motor Assembly (Backup)
- Drain Regulating Tank
- Direct and Indirect Regulating Valves
- Pressure Monitoring and Reducing Components



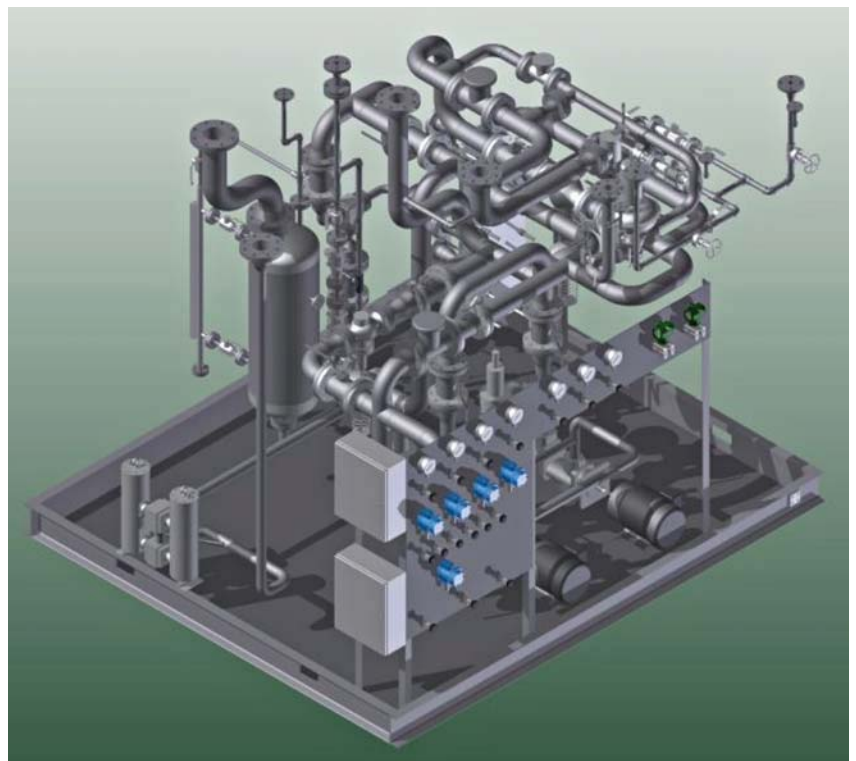
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DESIGN PARAMETERS:

Design Pressure	200 PSIG (13 bar)
Design Temperature	200°F (93°C)
Maximum Flow Rate	55 GPM (208 LPM)
Power Supply	480 volt 15 HP A/C 10 HP D/C
Control Panel	NEMA 4

Hazardous Classification of Class 1, Division 2, Group B within 0.5m Hydrogen containing parts of system.

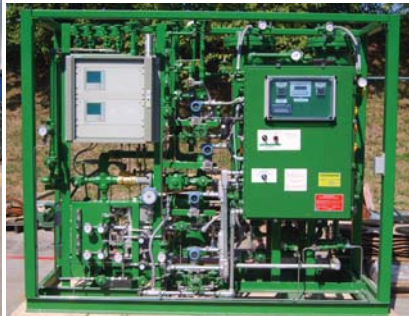


Lectrodryer Power Sector Products

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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