

LECTRODRYER

adsorption technology experts since 1932

AUTOMATED CO₂ PURGE PACKAGE

Purge your generator in **under 1 hour**: Mitigate risk, protect operators, and automate the process from the control room



Generator Fast Degas CO₂ System (GFD)

The Lectrodryer Automated CO₂ Purge Package is composed of two systems:

- Generator Fast Degas CO₂ System (GFD)
- Generator Gas Monitoring and Control Piping (GMCP).

These systems are state of the art used to expedite and automate the degassing of hydrogen or air from hydrogen cooled generators using CO₂ as the inert gas.

This process **takes 4 to 12 hours** to prevent lines from clogging with dry ice due to the cryogenic nature of CO₂. With the Automated CO₂ Purge Package, Lectrodryer can help **reduce the time and cost** involved in scheduled and forced outages by allowing the generator to be purged and brought back online much more rapidly and automatically.

These systems can be used for emergencies during dangerous upset conditions or for normal outages.

AUTOMATED CO₂ PURGE PACKAGE

Safety, Innovation and Efficiency through Technology

Features

- Operates with gas or liquid CO₂ feed
- Monitors generator case pressure, generator fan differential pressure, generator gas purity, and CO₂ consumption

- Blackout alternatives
- Hydrogen totalizer – optional

- GFD Dimensions:

40"W x 34"D x 82"H / 102 cms x 86 cms x 208 cms

App. Wt: 1600 lbs / 726 kgs

- GMCP Dimensions:

70.25"W x 34"D x 82"H / 178 cms x 86 cms 208 cms

App. Wt: 2,000 lbs / 907 kgs

Generator Gas Monitoring and Control Skid (GMCP)



Generator Purge Sequences

Hydrogen	→	CO ₂	Automated
CO ₂	→	Air	Manual
Air	→	CO ₂	Automated
CO ₂	→	Hydrogen	Automated



Rev. 11



LECTRODRYER

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