

# DARRAH's



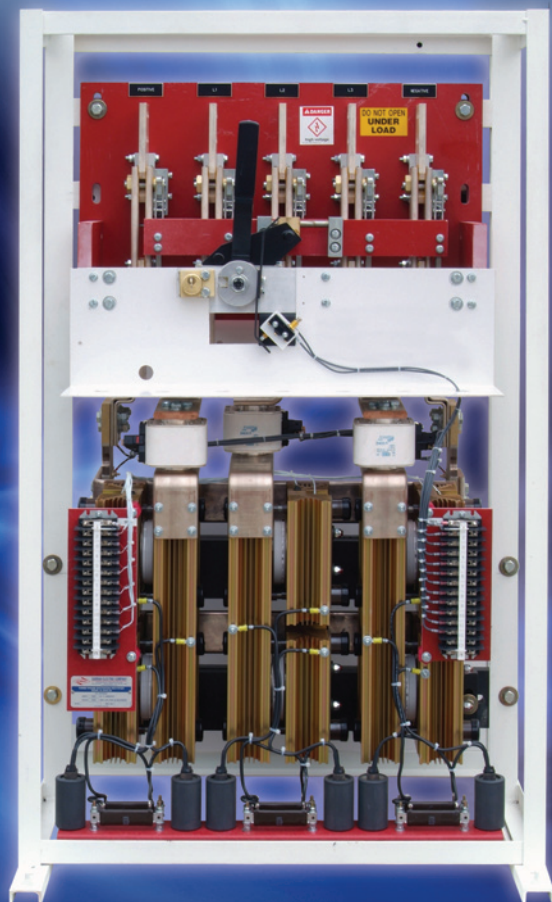
## Air Cooled Rectifier Replacement for GE Alterrex™ Water Cooled Excitation Systems

DARREX AIR™ is a drop in replacement Air Cooled Three Phase Diode Bridge and 5-Pole Disconnect Switch for the aging GE Alterrex™ water cooled excitation systems.

The Diode Bridge and Switch are state of the art designs that directly mount to the original equipment cubicle (doghouse) using existing mounting rails and A.C. and D.C. bus bars.

The DARREX AIR™ conversion eliminates the maintenance, reliability and safety issues associated with existing water cooled diode rectifier bridges while meeting and exceeding D.C. voltage and current requirements.

- 2000 Amp continuous rated output
- State of the art technology
  - Six high power hockey puck diodes replace 24 stud diodes
  - New 5-pole disconnect switch with through the door operation, to comply with Arc Flash safety requirement
- Natural convection cooled
- Drop in form, fit, and functional replacement
- Proven design with installed customer base
- Bridge and switch replacements are typically installed on site within an 8 hour shift
- No water or fans required
- 50° C designed ambient
- 600 Volt D.C. rating
- 250% Overload rating for 30 seconds

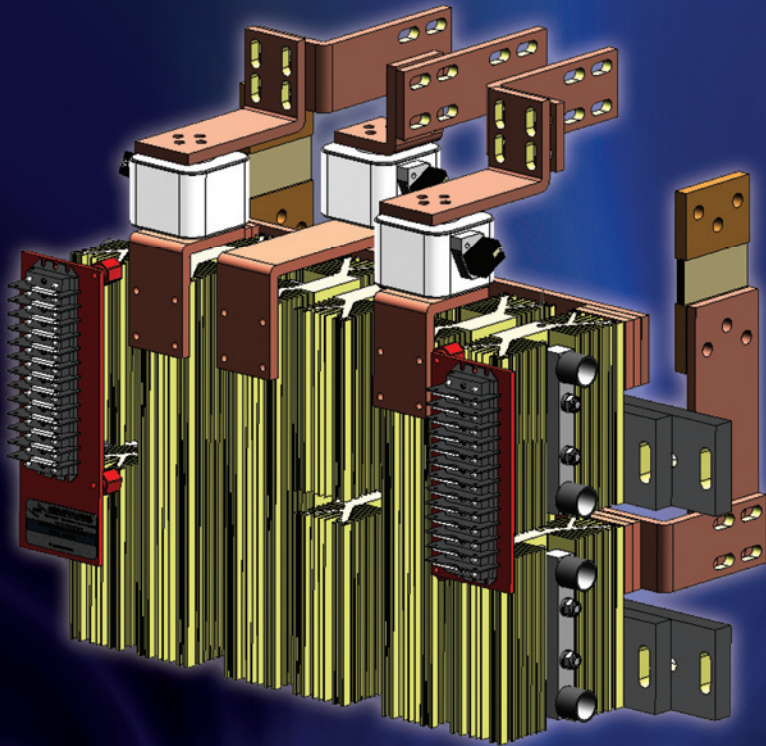


The **DARREX AIR™** Waterless Diode Bridge is a direct replacement for the existing water cooled diode bridges commonly found in Alterrex™ Excitation Systems.

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ISO  
9001:2000  
CERTIFIED

Bulletin 7401



## Standard Package Includes

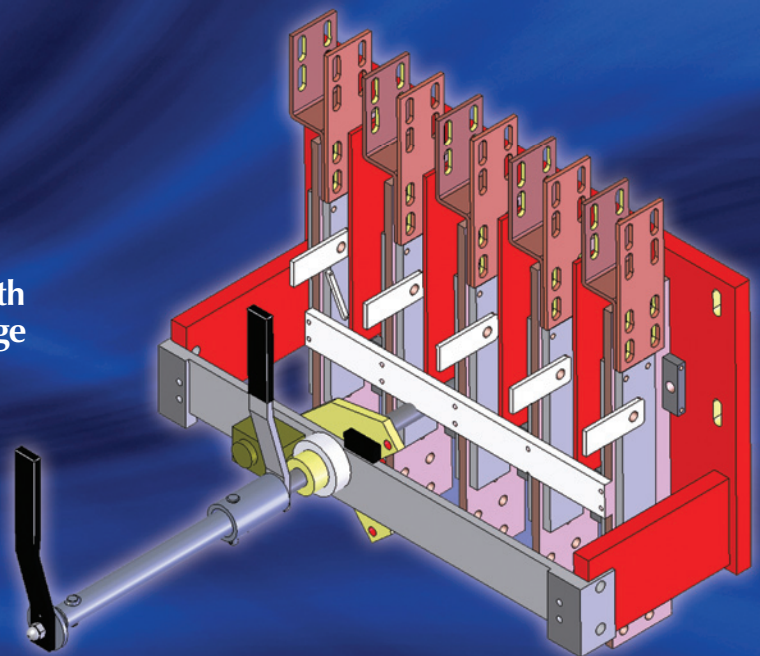
- 2000 Amp three phase recifier bridge fully assembled with interconnecting bus bars
- Five pole manual knife switch with through the door operation, 1000 VAC rating, Kirk key interlock
- Three A.C. line fuses with indicators wired to terminal board
- Diode R/C snubbers
- Six RTD's, one per diode, wired to terminal board
- Two D.C. shunts, 50MV/2000A, one positive leg, one negative leg, wired to terminal board
- Terminal boards above suitable for DCS/SCADA interface
- Detailed installation instructions

## Optional

- Connecting bus bar kits
- Switch extension rod kit to comply with Arc Flash safety requirement
- Door mounted light and meter panels with pre-wired harness for connection to bridge

## 6 Week Availability

DARREX AIR™ is a trademark of Darrah Electric Company.  
Alterrex™ is a trademark of General Electric Company.



# DARRAH ELECTRIC COMPANY

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