



# Hazardous Location Power Supply

## Hazardous Location AC and DC Power Supplies

### **Added Benefits of Dry, Water or Oil Filled Rectifiers and Transformers Supplied by Neeltran – Robust and Reliable Power to run your 24/7 processes.**

Neeltran, designs and builds its own rectifier-transformers and rectifiers. This ability allows us to understand the extreme duty a hazardous location power supply has to perform in extreme environments. This gives our designers the experience to design the highest quality units available. Applications for for chlorine, bleach or cathodic protection power supply, oil processing or other chemical dc power supplies can be manufactured by our team.

Neeltran possesses multi-industry, engineering, and manufacturing experience that helps us to be flexible and design products that meet your specific technical and safety requirements.

For the Hazardous market we can design the rectifier to be installed inside the same tank of the transformer. Control cabinet and fuses are positioned in a separate explosion proof box, for easy maintenance and control. Typical uses are for chlorine, chlorate, cathodic protection, impressed current cathodic protection power supply, bleach and any other processes that need hazardous location DC and AC supplies. Whether on an oil rig, oil refinery or any other hazardous location we can build to any standard. We an provide water, oil or air cooled utilizing various certified techniques.

### **Product Details:**

- Conservative Transformer design
- Design to all types of environments
- Based on specifications we can conform to ANSI, IEC,ATEX, IECEX,ABS,Gost-R, Kosha, IEEE,NEMA, CSA, BS, AS, UL, JS, CE etc...
- Design to be installed in all the off shore platform, refinery, or chemical facility. High Efficiency units with low operating temperatures



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### General Specifications

Standards not limited to		NEC/ANSI / IEEE / IEC /IEC X/ATEX/GOST-R/KOSHA, UL,CSA
Product Ranges not limited to		CLASS 1, Division 1&2, Groups A,B,C,D,Zone 1&2, GAS Groups IIC,IIB+H2, IIB, IIA.
Three-phase supply voltage main by customer	Vac	up to 69,000
Three phase voltage on the secondary	Vac	up to 80,000
DC Voltage	Vdc	up to 90,000
Maximum power	kVA	25,000
Frequency	Hz	50/60
Tap changer		No Load
Rectifier Connection		Bridge
Pulses		6 / 12 and more
Rectifier power section material		Copper or Aluminum
DC Current	Adc	up to 15,000
Control card type		Digital or Analog
Metering		Shunt
Rectifying elements		Thyristors / Diodes
Redundancy		N+1 (On demand)
Temp class		T3, T4, T5
Transformer Cooling		Water / Air / Oil
Transformer Oil Type		Mineral / FR3 / Silicon
Installation		Indoor or outdoor
Transformer Manufacturer		Neeltran
Rectifier Manufacturer		Neeltran
Line Up Testing Available		Combined Test at Neeltran Factory

#### American Superconductor

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