



Cathtect

Engineering (Pty) Ltd.

Oil cooled Cathodic Protection Rectifier

WHAT IT TAKES!

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Oil cooled Cathodic Protection Rectifier



SIDE VIEW



FRONT VIEW

Transformer Rectifier Units are known for their quality and service life. Oil Cooled Transformer rectifier's are the simplest cooling system, where natural convectional flow of oil is used to reduce the temperature gradient between transformer and the outside ambient. Cathtect Engineering (Pty) Ltd are undoubtedly the Technological leaders in Transformer Rectifier Units and Manufacture different types of these units. All of our rectifiers are rugged and durable both in their weathering attributes as well as their functionality.

We have been manufacturing Transformer Rectifier Units with highly specified requirements and extras since 1992 supplying the Middle East, America and Europe. At Cathtect we believe in superior quality and that is why we give each and everyone of our clients the absolute best in all that we do making sure that we exceed their expectations.

These Oil Cooled transformer rectifiers are generally used in severe weather conditions where Standard Air Cooled Rectifiers will not withstand these weatherly conditions.

Benefits and Features of Cathtect's Oil Cooled Cathodic Protection Rectifier

Benefits of Cathtect's Oil Cooled Rectifier

- Long design Life of 30 years
- Equipped to withstand severe weather conditions such as humidity and dust
- Can operate in ambient humidity temperatures from 0% to 100% humidity
- Can accommodate client specific requirements
- Output DC ripple is less than 2%

Some Features of Cathtect's Oil Cooled Rectifier

- Natural convection cooling system
- 4 Control modes- Potential control, Current control, Voltage control and manual control
- Operating Ambient humidity 0 to 100%
- Output ripple less than 2%

**Please refer to the formal datasheet for all product specifications*

Oil Cooled Cathodic Protection Rectifier Ordering Codes

Oil cooled Rectifier ordering code	Power	Output Voltage	Output Current
RECOC-20-50	1000W	20V	50A
RECOC-50-100	5000W	50V	100A
RECOC-76-50	3800W	76V	50A
RECOC-100-100	1000W	100V	100A

Optional Extras

1) Modbus (3X register call) / Profibus:

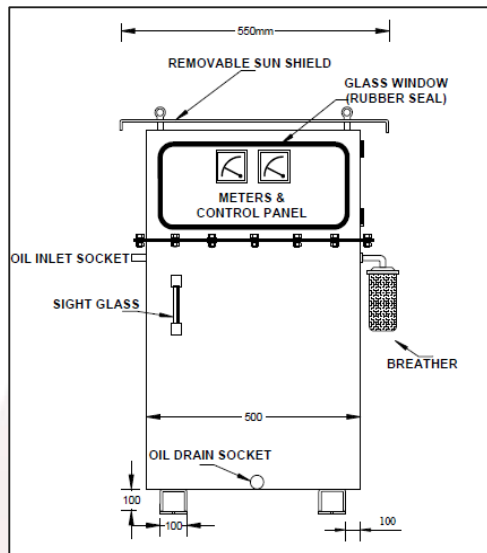
- Reference potential measured
- Output volts measured
- Output current measured
- 8 Potential free contact inputs- DC & AC Fuse fail; MCB 1; MCB4; Panic button; Phase rotation; Fail & Imbalance; Door indication.
- 2 x Galvanically isolated analog inputs – Bypass current & battery voltage

2) Modbus (4x command register) / Profibus

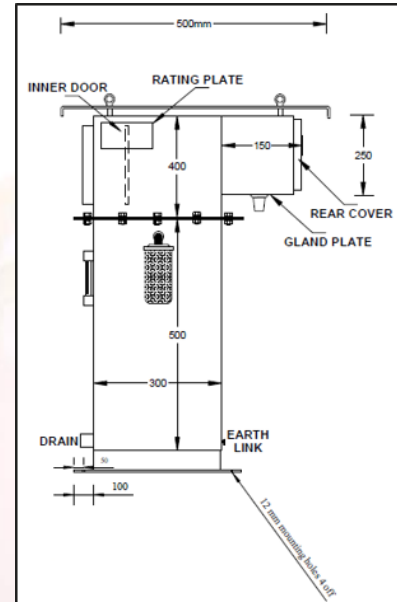
- Control mode selection
- Voltage limit
- Current limit
- Reference set point for voltage, Current & Potential controls
- Digital output setting for Potential free output contact 1,2 & 3
- 2 x Galvanically isolated Analog outputs 0-5V 10 Bit resolution PWM



Enclosure Dimensions



FRONT VIEW



SIDE VIEW