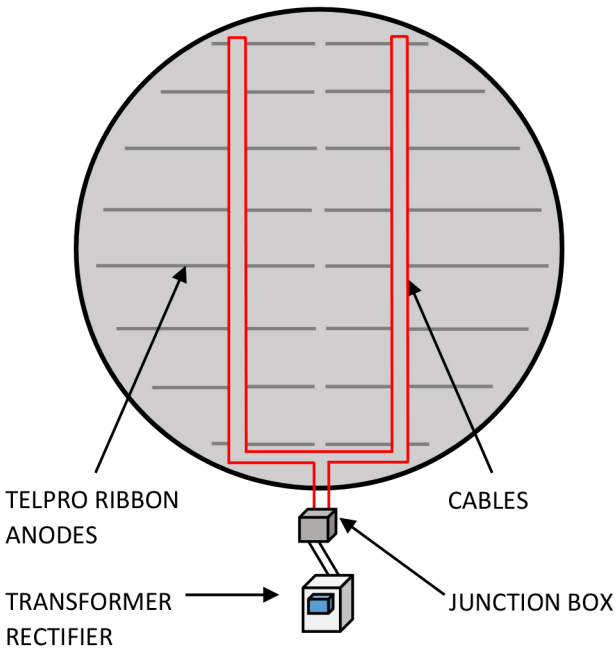
TELPRO
TITANIUM ELECTRODE PRODUCTS COMPANIES

MANUFACTURERS OF MMO AND PLATINIZED TITANIUM ELECTRODES

TELPRO "TEL-TANK" ANODE DATA SHEET

TYPICAL "TEL TANK" SYSTEM LAYOUT



TELPRO TEL-TANK Anode Assemblies are designed for ease of installation and cost savings. TEL-TANK Anode Assemblies use **TELPRO MMO Ribbon Anodes** assembled on HMWPE Cable. **TELPRO Ribbon** is manufactured using titanium to ASTM B265 Grade 1 specifications, which has been coated with **TELPRO Mixed Metal Oxide coating**.

TELPRO MMO coating consists of IrO2/Ta2O5 and is suitable for use in all cathodic protection applications. Because mixed metal oxide anodes have an extremely low consumption rate, the titanium substrate remains constant throughout the design life of the anode.

TELPRO TEL-TANK Anodes are assembled to meet customer requirements. Each **TEL-TANK Anode System** is factory assembled and ready for installation. No field welds are required. All anode-to-cable connections are sealed using a moisture resistant epoxy, which has been helium tested to ensure the quality of the seal and provide long lasting protection.

Based upon accelerated life testing, conducted by an independent laboratory, **TELPRO MMO coating** has been proven to be equivalent or superior to other mixed metal oxide coatings which are currently being used; a copy of this test report is available upon request.

Strict quality control procedures are followed throughout the entire coating process, to guarantee proper coating adhesion and loading. Also, **TELPRO** products are tested using an X-Ray Fluorescence Spectrometer, to ensure production of the highest quality product, which is fundamental in every step of the manufacturing process.

TO RECEIVE A QUOTATION FOR TEL-TANK SYSTEMS PLEASE SPECIFY AS FOLLOWS,

- Quantity of Tanks
- Diameter of Tanks
- Required Design Life
- Operating Temperature of Tank
- Current Density to be Applied to Tank Base
- Details of External Base Plate Coating
- Installation Depth Of Anode Layer
- Cable Distance to Junction Box Location.

CURRENT OUTPUT OF RIBBON IN FINE SAND

12.8mA/ft (42mA/m) When operating at an anode current density of 0.278 A/ft^2 (3A/m^2)

DESIGN LIFE

50 years plus when operating at an anode current density of 0.278 A/ft^2 (3A/m^2)

Lifetimes stated are nominal, we can supply Amps / life different to stated standards on request.

Distributed By:
Interprovincial Corrosion Control Co. Ltd.
930 Sheldon Court
Burlington, Ontario L7L 5K6
Telephone: (905) 634 7751
Fax: (905) 333 4313
Website: http://www.Rustrol.com