

WATER STORAGE TANKS

Cathodic protection of water storage tanks



Preserving Our Nation's Water Systems

Our nation's water tanks are being threatened by the process of corrosion. Corrosion occurs on all submerged, buried, embedded and atmospherically exposed metallic structures. It impacts the design, operation and maintenance of every element of a water system and costs facility owners millions of dollars annually.

Corrpro is a recognized world leader in the field of corrosion monitoring programs, coatings and cathodic protection for water tanks. Our National Association of Corrosion Engineers (NACE) accredited engineers have traveled the world helping facility owners implement cost-effective solutions.

Properly installed and maintained cathodic protection systems have proven to reduce the cost of maintenance in fighting corrosion.

corrpro[®]
an AEGION[®] company

WATER STORAGE TANKS – SUBJECT TO ICING CONDITIONS

Automatically Controlled T.A.S.C.® Rectifier with Horizontal Anode (Permanode®) Suspension System for Tanks Subject to Icing Conditions



NSF/ANSI Standard 61*

Cathodic Protection System Components in Accordance with AWWA Standard D104 and NACE Standard RP0388

- Titanium mixed metal oxide or platinized niobium impressed current bowl and riser anode assemblies
- Submerged anode support system
- Permanent reference electrodes
- Flotation buoys
- Steel anchors welded to side wall
- Conduit with associated wiring
- Automatically controlled T.A.S.C.® rectifier
- Pressure fitting and junction box
- Riser pipes 30-inches in diameter or larger

Automatically Controlled T.A.S.C.® Rectifier with Submerged Anode (Permanode®) Suspension System for Tanks Subject to Icing Conditions



NSF/ANSI Standard 61*

Cathodic Protection System Components in Accordance with AWWA Standard D104 and NACE Standard RP0388

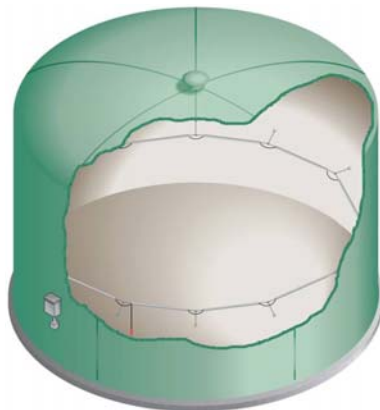
- Titanium mixed metal oxide or platinized niobium impressed current bowl and riser anode assemblies
- Submerged anode support system
- Flotation buoys
- Permanent reference electrodes
- Steel anchors welded to side wall
- Conduit with associated wiring
- Automatically controlled T.A.S.C.® rectifier
- Pressure fitting and junction box
- Riser pipes 30-inches in diameter or larger

Sacrificial Anode System for Tanks Subject to Icing Conditions

NSF/ANSI Standard 61*

Cathodic Protection System Components in Accordance with NACE Standard RP0196

- Magnesium rod anode assemblies
- Submerged anode support system
- Permanent reference electrodes
- Pressure entrance fitting with junction box
- Sacrificial anode test station



Automatically Controlled T.A.S.C.® Rectifier with Horizontal Anode Suspension System for Tanks Subject to Icing Conditions

NSF/ANSI Standard 61*

Cathodic Protection System Components in Accordance with AWWA Standard D104 and NACE Standard RP0388

- Titanium mixed metal oxide or platinized niobium impressed current bowl and riser anode assemblies
- Submerged PVC anode support system attached to access tube
- Permanent reference electrodes
- Pressure entrance fitting with junction box
- Automatically controlled T.A.S.C.® rectifier
- Riser pipes 30-inches in diameter or larger



WATER STORAGE TANKS – SUBJECT TO NON-ICING CONDITIONS

Automatically Controlled T.A.S.C.® Rectifier with Vertical Anode Suspension System for Tanks Subject to Non-Icing Conditions

NSF/ANSI Standard 61*

Cathodic Protection System Components in Accordance with AWWA Standard D104 and NACE Standard RP0388

- Titanium mixed metal oxide or platinized niobium impressed current bowl and riser anode assemblies
- Anode access ports
- Support system bolted to roof for bowl and riser anodes and reference electrodes
- Permanent reference electrodes
- Automatically controlled T.A.S.C.® rectifier
- Riser pipes 30-inches in diameter or larger

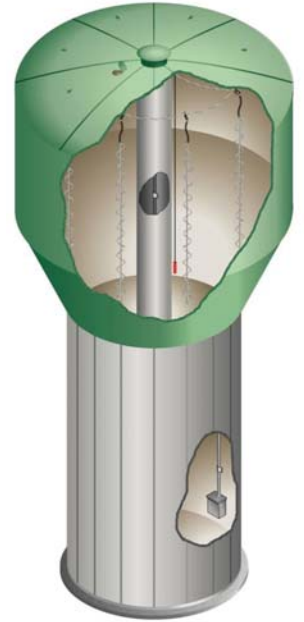


Automatically Controlled T.A.S.C.® Rectifier with Vertical Anode Suspension System for Tanks Subject to Non-Icing Conditions

NSF/ANSI Standard 61*

Cathodic Protection System Components in Accordance with AWWA Standard D104/NACE Standard RP0388

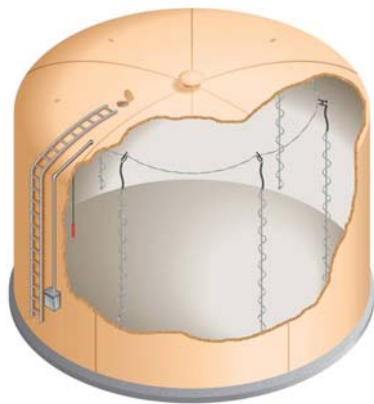
- Titanium mixed metal oxide or platinized niobium impressed current bowl and riser anode assemblies
- Anode access ports
- Support system bolted to roof for anodes and reference electrodes
- Permanent reference electrodes
- Automatically controlled T.A.S.C.® rectifier
- Riser pipes 30-inches in diameter or larger



Sacrificial Anode System for Tanks Subject to Non-Icing Conditions

NSF/ANSI Standard 61*

Cathodic Protection System Components in Accordance with NACE Standard RP0196



- Magnesium rod anode assemblies
- Anode access ports
- Support system bolted to roof for anodes and reference electrodes
- Permanent reference electrodes
- Sacrificial anode test station

Automatically Controlled T.A.S.C.® Rectifier with Vertical Anode Suspension System for Tanks Subject to Non-Icing Conditions

NSF/ANSI Standard 61*

Cathodic Protection System Components in Accordance with AWWA Standard D104 and NACE Standard RP0388

- Titanium mixed metal oxide or platinized niobium impressed current bowl and riser anode assemblies
- Anode access ports
- Support system bolted to roof for anodes and reference electrodes
- Permanent reference electrodes
- Automatically controlled T.A.S.C.® rectifier
- Riser pipes 30-inches in diameter or larger



WATER STORAGE TANKS

Corrpro is a Technology Leader

Corrpro is the technology leader for the design, installation and service of cathodic protection systems for water storage tanks. Both independent testing and case studies demonstrate how this technology can extend the lifecycle of any coating system on the market today. This approach has saved facility owners millions of dollars in maintenance, repair and re-coating costs.

Corrpro has been serving the Water Industry for over 50 years. All systems are designed in compliance with AWWA Standards, NACE Recommended Practices, National Fire Protection Association (NFPA) and NSF/ANSI 61 Standards.

From complete turnkey installations to continuing monitoring and maintenance, Corrpro can provide specification development and NACE-certified coatings inspectors to oversee surface preparation and applications of new coatings systems for tank rehabilitation projects. We also provide new coating technology research, cathodic protection and corrosion monitoring instruments.

*Components manufactured by Corrpro Waterworks are certified by Underwriters Laboratories (UL) to meet the NSF/ANSI Standard 61.

Contact Corrpro for additional information regarding certification to the NSF/ANSI Standard 61.



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