Corrosion stops here!

SOLUTION FOR WATER TANKS

RESIDENTIAL, COMMERCIAL, INDUSTRIAL

(REV 2014)

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TECHNO PROTECTION

WHO WE ARE!

Founded in 2004 by integrating the skills of our specialists from over 20 years of experience and knowledge, Techno Protection offers a complete range of technical services based on the innovation, scientific research and experimental development.

Starting as a local cathodic protection company our sustained growth has granted us an international reputation.

SOLUTION FOR WATER TANKS

Our company has adapted the cathodic protection technology to the corrosion problem of the interior of different types of water tanks.

The impressed current cathodic protection technology utilizes anodes made of noble metal alloys and an AC current source rectifier. With the rectifier, a voltage is applied to the tank to be protected which generates a difference in potential between the anodes and the structure. We adjust the tension that is generated in order for the intensity of protection energy be superior to the one of corrosion.

Techno Protection also offers all services in the design, installation, supply of material along with the follow-up of impressed current cathodic protection systems.
Our electrochemical research center has proceeded with the examination of the problem resulting from the corrosion of residential 40 to 60 gallon water heaters in order to identify the weak points.

Over 350 tanks have been tested to determine the cause of perforation.
Corro-Protec is an impressed current system developed and adapted for electrical, fuel or gas water heaters with a 40 to 100 gallons capacity.

A certified installer network consisting of plumbers and electricians is available to assure the quality of the installations. It is to be noted that this product is easy to install and that a wise handyman can do it himself by following the easy steps available on our web site.

Furthermore, the Corro-Protec system is approved by many insurance companies. Here is a solution to protect yourself against the negative effects of corrosion even if your water heater is over 10 years old.

www.corroprotec.com
This type of tank which contains hot water for many residents is equipped with a fine layer of concrete on the internal wall.

With time, required maintenance and repairing costs are high to repair the layer of concrete acting as a physical barrier against corrosion.

Installation of an impressed current cathodic protection system is adapted according to the metal surface to be protected. An impressed current cathodic protection system prolongs the service life of a tank and allows a more efficient protection against corrosion by eliminating the necessity of repairing the layer of concrete inside the tank.
All public service buildings such as hospitals and schools must assure the reliability of their hot water reserves.

Such as in the case of hot water reserves in corporate complexes, Techno Protection offers impressed current cathodic protection systems according to the metal surface to be protected and prolongs the service life of the tanks.
This type of water treatment tank used for pools and in water treatment plants is located in a highly corrosive environment and has a sacrificial anode requiring to be replaced or upgraded periodically.

Techno Protection can replace or modify these systems with an impressed current system that is more durable, more performing and allows a better follow-up.
The municipal cooling water towers and potable water tanks are in the middle of their production line. Perforation of their walls due to the deterioration of the interior coating and to corrosion can have great impact and high costs requiring a shutdown.

To avoid costly replacement of the interior coating of the tanks, Techno Protection can design cathodic protection systems adapted to each particular case. A performance follow-up is also offered.
In the case of large capacity tanks, the tank bottom and the piping are subject to the soil aggressiveness.

Thechno Protection offers cathodic protection systems to protect the internal walls against soil corrosion effects.

Specially designed systems are also available.