

Cathodic Protection

Optional Anode Test Rod

shown with digital multi-meter & half cell



MCM50280-50282

Telescoping ball-top anode test rod with meter adapter plate.



< Optional Anode Extension Lead

Red 12' lead for multi meter

Protection and Testing for Underground Propane Storage Tanks

Note: NFPA 58 2011, section 6.6.6.1 for testing recommendations

1) Test cathodic protection within 180 days of installation

2) Verify effectiveness 12 to 18 months after initial test

3) Periodic follow-up testing intervals - 36 months intervals

The testing must be documented with record retention of the last 2 tests

Compact Cathodic Protection Testing Kit

Anode Test Kit



Contains:

- 6A - copper sulfate half cell
- Digital multi-meter w/leads (VEI)
- Copper sulfate crystals (1 lb. 3 oz.) all in a convenient hard sided carrying case.

Items also sold separately.



< PERC Cathodic Protection Training video

3715

Free Freight
on all orders over \$400.
some exceptions apply

Bergquist offers free on-site* Cathodic Protection Training.

* contact your Area Sales Manager to set up a class time.

Testing for Corrosion Protection

How do you know if your tank is protected? It only takes a minute to check. As stated in the section on cathodic protection, if the voltage of steel is -0.85 volts or greater, it is protected. It takes a volt meter and a copper sulfate electrode to take the reading. If can be taken by a propane gas supplier technician with a basic understanding of cathodic protection. If the reading is greater than -.85 volts, you can assume that the tank is protected at the location where the reading was taken on the date it was taken. If the reading is below -.85 volts, the anode installed on the tank either has been consumed, or the tank is connected to the house utilities without a dielectric union or the wire has been disconnected. Occasionally, there is a problem with the testing equipment or contact to the tank. It takes practice and experience to find the answer to these problems. There are other causes for a low reading which might require a cathodic protection technician or a corrosion engineer to determine.

Hans Schmoldt recommends taking at least four reading around the tank once a year. (reprint from Anode Systems Co. - Hans Schmoldt)

Magnesium Anode Bags



17 lb | 9 lb | 5 lb

Anode Bag Pallet Pricing...50 per pallet
17 lb plus free freight

General recommendations;

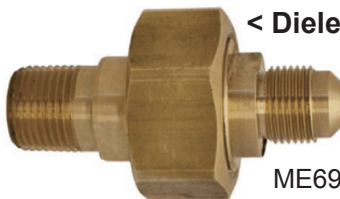
Use 1-17 lb. anode bag on a 500 gallon tank and 2-17 lb. bags on a 1,000 gallon tank.

5 lb. and 9 lb. bags are used on piping and general use.

Advantages of our anodes bags...

- Made from pure Magnesium Ore...high quality ore provides more current per pound increasing tank protection compared to grade B recycled Magnesium with added ore.
- 13' lead wire (more flexibility during installation) compared to a 10' lead wire.
- Our anodes are packaged in individual boxes for protection during shipping.
- Ingot style bags - provides increased surface for more protection versus the rounded style anode bags.

< Dielectric Unions



ME690-6-10
3/4" | 150# insulated union

ME690-4-8
1/2" | 150# insulated union



< Anode Clamp

The anode clamp is an alternative method of attaching anode bags to underground tanks, eliminating the need for cad welding.



OH 800-537-7518 | KY 800-448-9504 | IN 800-662-3252 | MO 800-821-3878 | MN 800-328-6291

Your questions answered by the people who know propane equipment.