Drive-In Mag Anode

For low current requirement applications such as gas distribution risers, drive-in magnesium anodes are an economical choice. Anodes are manufactured from extruded magnesium rods, fitted with a special steel driving cap. The driving cap has been welded to the anode core with a #12 TW solid copper conductor wire attached by silver solder. The opposite end of the lead wire is soldered to a J-clip and hose clamp. A galvanized sheet metal contact screw pierces the pipe coating and provides connection to the structure. This connection will provide a positive, long-life contact. The wire connection at the anode is coated to prevent exposure of bare copper. The anode may be ordered without the clamp if desired.

Features

- Need only a hammer and screwdriver
- One man installation in minutes
- No digging or augering of hole
- Eliminates thermite welding

Installation

- Extend the coiled lead wire with clip out from anode.
- Select convenient location for the anode, a minimum of 18" from the service riser.
- Drive the anode with a hammer into the earth to approximate depth of 4-6 inches.
- Bury the anode lead wire from the anode to the riser at approximate 4-6 inch depth.
- Place the clamp around the riser 8-10 inches above ground level and securely tighten with a screwdriver.
- Tighten the set screw until it pierces the pipe coating and makes solid contact with the steel. Be certain the set screw head is fully secure against the J-clip speed nut.
- Coat the screw connection with Scotchkote electrical coating or similar coating.
- A pipe-to-soil potential measurement should be taken after connection to assure adequate cathodic protection is being achieved.

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<thead>
<tr>
<th>Weight</th>
<th>Diameter</th>
<th>Length</th>
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<tbody>
<tr>
<td>1/2 lb</td>
<td>0.84 in</td>
<td>12 in</td>
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<tr>
<td>1 lb</td>
<td>1.05 in</td>
<td>17.5 in</td>
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