SAE offers innovative products that help you maintain the safety and integrity of your pipelines, while complying with industry regulations. The EnvirAnode® CP system for impressed current cathodic protection (ICCP) is a premium product aimed at applications that demand high performance, long life and environmental compliance. EnvirAnode® offers the following advantages:

- Long life cycle (up to 2x that of a traditional system)
- Can be engineered effectively to satisfy virtually any soil condition
- Protects potable water (Impervious solid backfill)
- Lower total cost of ownership

EnvirAnode® is an effective impressed current cathodic protection (ICCP) solution. With a virtually impervious column, EnvirAnode® allows for the installation of systems that cross through potable water aquifers as the migration of contaminants is prevented. Further, carbon degradation only occurs from the outside of the Conducrete® column where the anodes are installed. To protect the aquifer from contamination, it is required that no anodes be installed within 50 ft. above and below the aquifer.
The EnvirAnode® CP system is installed using similar tools and techniques as those used in traditional anode beds.

The electronic energy transfer mechanism of EnvirAnode® gives extremely stable electrical operating performance in use, especially when compared to the electrolytic energy transfer experienced with traditional anode beds.

The large active, low current density EnvirAnode® column causes gas to be uniformly distributed over the entire surface, where it is easily absorbed into the soil. By better managing the production and dissipation of out-gassing, vent pipes are not required in EnvirAnode® installations and the overall efficiency of the anode bed is increased.

**Applications**

- Pipelines
- Petroleum Storage Tanks
- Well Casings
- Nuclear Power Plants

<table>
<thead>
<tr>
<th>Current (A)</th>
<th>EnvirAnode Life (Years)*</th>
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<tr>
<td>0.5</td>
<td>699.6</td>
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<tr>
<td>1</td>
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* A utilization factor of 75% is assumed.

**SAE K5050/K50100 System Expected Longevity**

- 10” Diameter
- 175’ Active Column

**Product Specifications**

- WIRE PLUG: Allows CP wire to pass through
- CENTER CONNECT: To secure CP wire to center of MMO tube
- CENTER CONNECT: To secure CP wire to center of MMO tube
- SAE MOLDED ANODE MATERIAL: End Plug
- INSULATED CP WIRE: SAE MOLDED ANODE MATERIAL

**Updated: 11/01/2018**