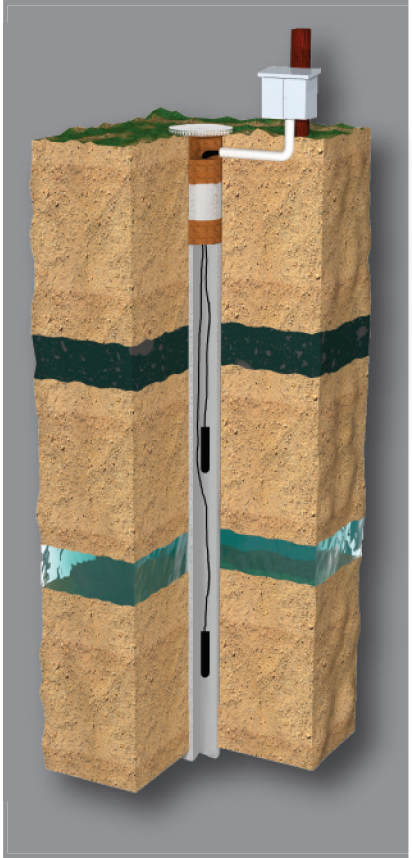
- Superior Performance
- Extremely Long Lifecycle
- Cost Efficient



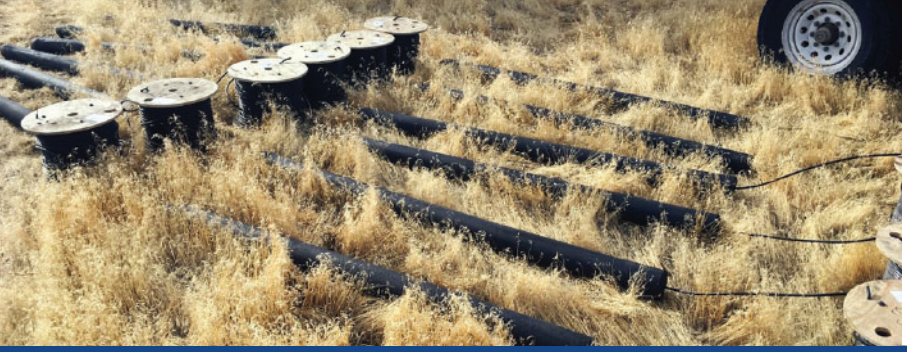
EnvirANODE®

Long life cathodic protection

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 (Impermeable solid backfill)
- Lower total cost of ownership

EnvirAnode® is an effective impressed current cathodic protection (ICCP) solution. With a virtually impermeable 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

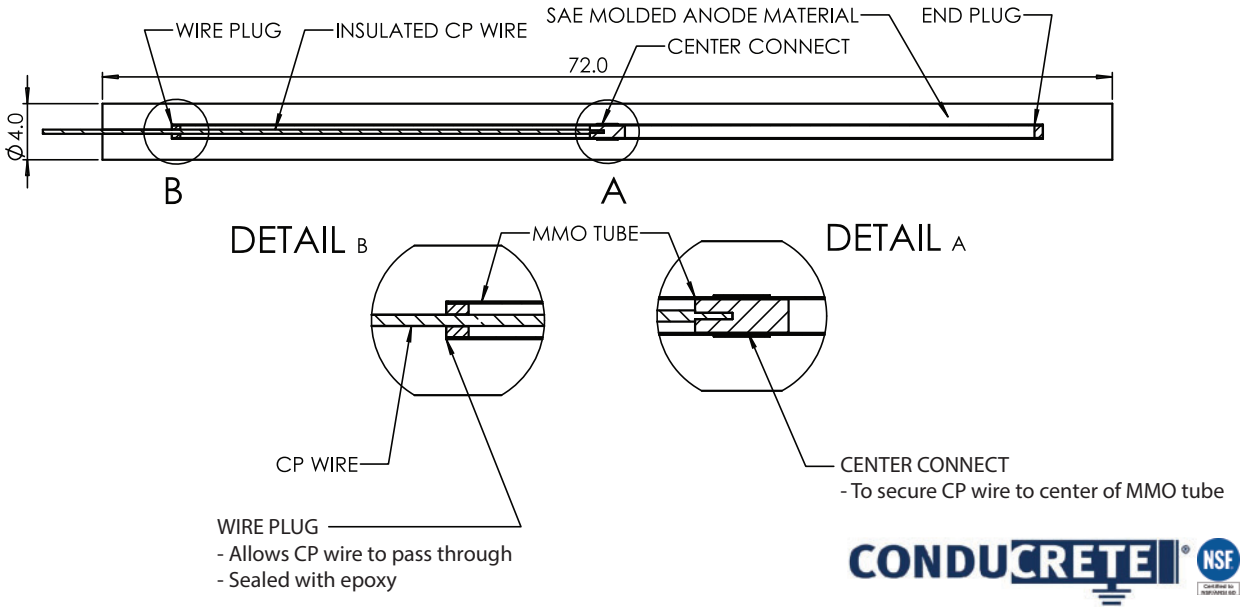
Current (A)	EnvirAnode Life (Years)*
0.5	699.6
1	349.8
2.5	139.92
5	69.96

*A utilization factor of 75% is assumed.

SAE K5050/K50100 System Expected Longevity

- 10" Diameter
- 175' Active Column

Product Specifications



CONDUCRETE® NSF

Updated: 11/01/2018