

HIRDA II®

Deep Anode System

Replaceable And Environmentally Sound

Corrpro revolutionized the cathodic protection industry with the introduction of HIRDA, the first replaceable deep anode system which proved to offer the most economical protection for pipelines, tank farms, and other buried metallic structures. Improving on this same basic design, Corrpro now introduces HIRDA II, the replaceable deep anode system that is environmentally friendly.

HIRDA II prevents the pollution of ground water by preventing surface water intrusion and interchanges between underground aquifers. The active anode area in the HIRDA II system is surrounded by Loresco EnviroCoke IV™, a conductive carbon based cementitious backfill with an extremely low permeability. EnviroCoke IV seals the excavation to prevent intermixing of waters held in separate aquifers. Placed on the outside of the remaining casing, from the earth's surface to the active anode area is PermaPlug™. Made from naturally occurring bentonite rock, PermaPlug swells when installed, providing a permanent seal which stops surface fluids from flowing into the well.

The same replaceable features which made the HIRDA system the industry standard are employed in HIRDA II. Anode replacement is made possible through the use of an inert casing material designed to maintain resilience and structural integrity for many years. This stable casing allows the coke backfill surrounding the anodes to be fluidized at any time in the future. Once this



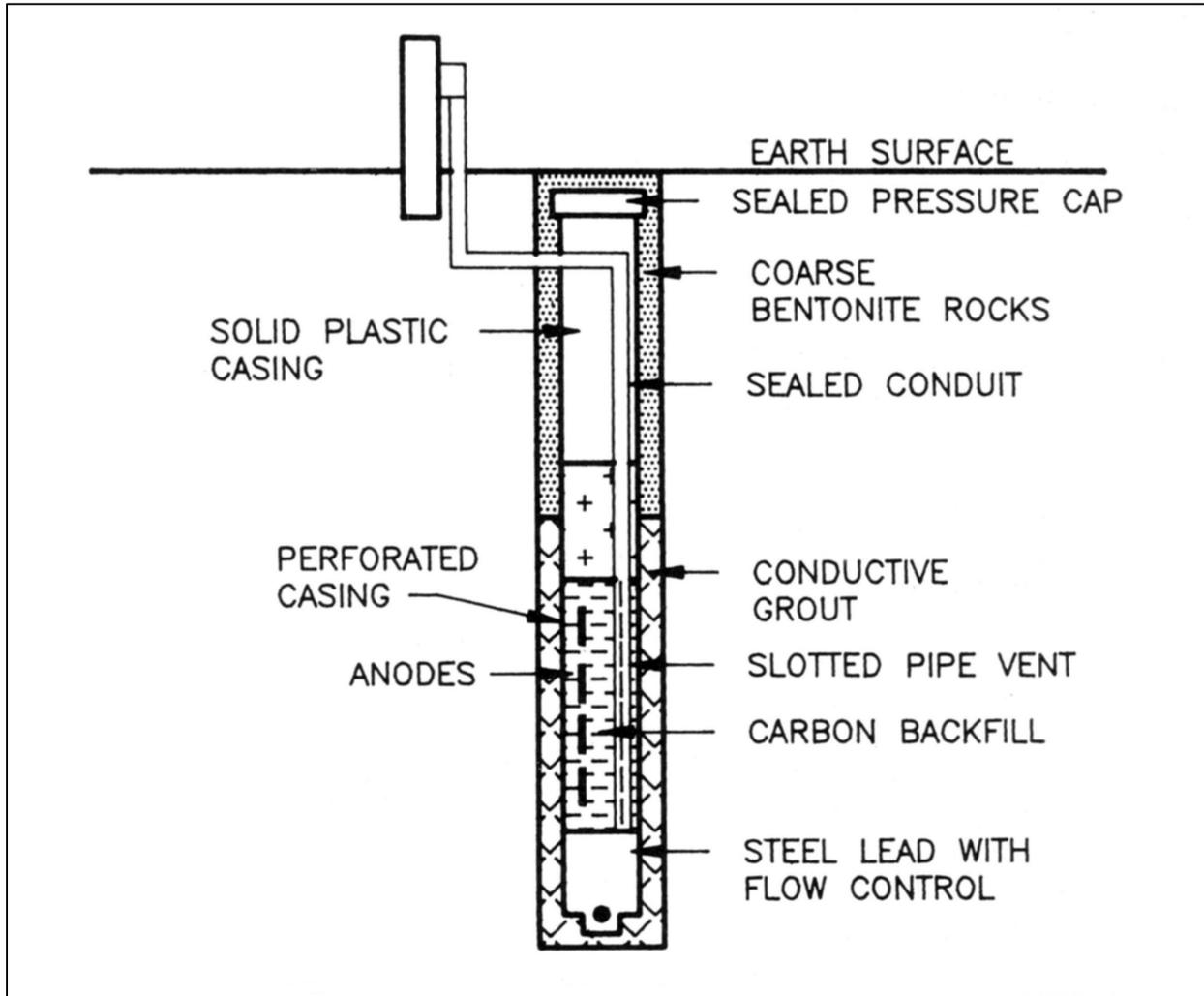
material is in a fluid state, the anodes and wiring can be removed for inspection or replacement. Rejuvenation of HIRDA II is simple and proven, with 98.5% of the approximately 2,000 systems installed since 1974 still operating efficiently.

In addition to being replaceable and environmentally safe, the HIRDA II system has a number of other characteristics, which allow it to deliver superior protection. In the protective current discharge areas a uniquely designed casing with perforated low contact resistant holes is used. A special two-way pumping system also guarantees that the backfill will evenly compact around the anodes and outside the casing during construction. The combination of these features produces a system with a much lower groundbed-to-earth resistance.

**CORRPRO**
COMPANIES INC
For Every Corner of Your World

1090 Enterprise Drive / Medina, OH 44256
Tel: 1-330-723-5082 / Fax: 1-330-723-0694
<http://www.corrpro.com>

HIRDA II[®] Deep Anode System



Typical Applications

HIRDA II is designed for protecting structures in environmentally sensitive zones. This includes locations which rely on underground wells for potable drinking water and areas which require special drilling authorization by local governments. The system can be used with various types of impressed current anodes.

Ordering Procedure

The HIRDA II system is custom made to satisfy design specifications. To learn how the system can be used to effectively protect your structure, contact your local Corpro representative.

