



Installation manual
SACRIFICIAL ANODE KIT P/N: 308 250 914
for
FRANKLIN ELECTRIC
4" NG SUBMERSIBLE MOTORS

Wells with extremely high levels of chlorides and other elements in combination with high temperatures will aggressively attack and corrode nearly any type of metal, including stainless steel. Typical severe applications are geothermal wells and mine wells, and applications with low service times.

One of the most economical and effective means of combating this type of corrosion is through the use of a "sacrificial anode" by cathode protection. This anode works by being more chemically active or "attractive" to the elements in the water than the other metals present. Instead of the motor and / or pump components, it is the sacrificial anode that reacts and corrodes. Two of the most common applications of this anode are ocean going ships and underground pipelines.

Franklin Electric Anode Kit:

The Franklin Electric Anode Kit 308 250 914 contains a cast iron (GG25) anode disk 3 stainless steel washer and 3 stainless steel (1.4301) M5 x 45mm screws. The sacrificial anode attaches to the bottom end bell of Franklin Electric 4" Next gen submersible motors. Since cast iron is more chemically active than the metals that make up the motor and pump, it is the cast iron that reacts to the corrosive elements in the water. This results in longer motor and pump life in aggressive / corrosive water conditions.





Anode Installation:

To attach the anode to the motor, please find below the following instructions:



1. Remove one screw and washer at a time from the bottom end bell cover of the Motor.

Caution:

To prevent fluid loss during screw removal, care must be taken to keep end bell assembled to stator at all times. Execute work while motor is positioned upside down, but NOT resting on the shaft.



2. Assemble anode with supplied screws one at a time. Tighten securely with 2,2 Nm torque.

Caution:

Not replacing the screws one at a time may cause the bottom end bell to loosen and potentially damage its components.

