Installation manual
SACRIFICIAL ANODE KIT P/N: 308 250 912
for
FRANKLIN ELECTRIC
4" Super Stainless 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 308 250 912 contains a cast iron (GG25) anode disk and 3 stainless steel (1.4301) 3/8inch (10-32UNF-2B) screws. The sacrificial anode attaches to the bottom end bell of Franklin Electric 4" Super Stainless 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.

Franklin Electric
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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 remove of the screws, care must be taken to keep end bell assembled to stator. Mount motor upside down.**

2. Assemble Anode with supplied screws each one separately against bottom cover of the Motor
Tighten securely with 20 inch – pounds, (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.**