



Installation manual

SACRIFICIAL ANODE KIT P/N: 308 250 913
for
FRANKLIN ELECTRIC
4" High Thrust 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 308 250 913 contains a cast iron (GG25) anode disk and 3 stainless steel (1.4301) 10-32UNF x 2,1" screws. The sacrificial anode attaches to the Diaphragm bottom of Franklin Electric 4" High Thrust 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 follow below instructions:



1.

Remove three screws in 120° from the Diaphragm housing



2.

Assemble Anode with supplied longer screws .
Tighten securely with (4,6 Nm) torque.

Caution: Failure to replace screws one at a time may cause the Diaphragm bottom to loosen and potentially damage its components.

