Strainer SNSAFE System

BIO-FOULING PREVENTION SYSTEM

PUMP OVERVIEW
The ClydeUnion S&N Pumps strainer SNSAFE system offers the most comprehensive bio-fouling prevention solutions package on the market. Strategic implementation of our system increases the service life of pumps, and maintains flow efficiency throughout a rig/vessel.

- Delivers an impressed DC current from a power converting control panel to strategically placed copper anodes in the seawater system
- The passage of the DC current through the copper anode releases copper ions into the seawater flow at a predetermined rate
- The copper ions deter the entry and growth of fouling organisms

DESIGN
- Ideal for seawater pump systems that draw suction through sea chest strainers
- Custom designed anode lid fits a rig's current strainer system
- Fully adjustable output and easy access anode replacement

EFFECTS OF BIO-FOULING
- Creates a thermal barrier around a pump motor and reduces the amount of heat that can be dissipated
- Accelerates corrosion by impingement/erosion, pitting and cavitation
- Reduces fluid flow throughout the piping of the vessel/rig
- Restricts and/or creates turbulent fluid flow at pump intakes

SYSTEM BENEFITS
- Eliminates bio-fouling macro-organisms
- Low initial cost
- Replaceable anodes
- Minimal maintenance
- Pre-calculated anode life
- Environmentally safe
- Low operating cost
- Minimal space requirement

ClydeUnion Pumps
S+N
FEATURES + BENEFITS

1. Simple field installation
2. Lid mounted anodes
3. Limited maintenance

EFFECTS OF SEA LIFE GROWTH ON PUMPS

Sea life growth covering the pump bowls and intake screen

Sea life growth inside the pump intake and on the pump shaft