

LOOP 210

MULTI-METAL CORROSION CONTROL



PRODUCT APPLICATION GUIDE

- **LOOP 210** a 95%+ active Ultra-Concentrated closed system treatment can be applied to totally closed systems or to semi-closed systems where expansion tanks and or similar applications for both Hot and Cold systems.
- **LOOP 210** contains a unique blend of organic based corrosion control compound for multi-metal systems including ferrous & non-ferrous metallurgies.
- **LOOP 210** can be applied to systems where Aluminum and its alloys are present. The polyamine component of **LOOP 210** works to provide a mono-molecular barrier on the surface of the aluminum retarding corrosion. Aluminum however is amphoteric; system pH's must be balanced into the 7.5-8.5 range and may require the use of a supplemental organic acid. Mineral acids should never be applied to systems which contain Aluminum!
- **LOOP 210** incorporates an azole compound resistant to oxidizing degradation used for the corrosion control of yellow metal compounds, Copper and Brass; a very unique organic corrosion control agent to act as a secondary ferrous metal corrosion control agent.
- **LOOP 210** blend of non-metallic compounds act to assist each other as both primary and secondary inhibitors, establishing a strong corrosion film formation at the metal site.
- **LOOP 210** employs Polymeric dispersants have been included in KOOL LOOP 210 to retard formation of Calcium ion based salts that can rob surfaces of heat transfer efficiencies.
- **LOOP 210** has a dedicated Iron Oxide dispersant polymer compound will assist in retarding under deposit corrosion cell formation from the porous Iron Oxide deposits that may be entrained in the system.
- **LOOP 210** alkaline components will act as a buffering agent allowing the system to maintain pH over the longer term. **LOOP 210** in some applications may help to retard formation of microbial activity but all closed systems should be treated intermittently with microbial control agents.

Application & Control

- LOOP 210 application rate is approximately 120-240 ppm (one-two pounds) per 1,000 gallons of system volume.
- Residual control maintenance levels would be 15-30 ppm of active Organic Phosphonate utilizing a High Range RediTab Organo Phosphonate Test Kit. Control range testing can be done using titration or digestion test procedures for the Organic Phosphonate component of LOOP 210.
- It is advisable to intermittently apply to all closed loop systems microbial control agents and then to monitor the total bacterial activity using dip slides or similar testing. Chlorine/Bromine or other oxidizing microbiocides can be applied when LOOP 210 is present but it is recommended not to use oxidizing microbiocides in closed systems unless specific recommendation and control procedures are established. An excellent microbial control agent to compliment LOOP 210 would be Bellacide 350 (TTPC).

PHYSICAL PROPERTIES:

Color/Form: Amber Liquid
Odor: Characteristic
Density: 1.1+/-
Freeze Point: <32F+/-
Freeze/Thaw: Full Recovery

GHS CODE: Irritant



DOT Class:

NON REGULATED

