ERTEK
CHEMICAL PRODUCTS & SERVICES

Boiler Water Treatment

ProPure CC EC-2 (CONDENSATE CONTROL)

Anti corrosive for steam lines

Description

ProPure CC is based on a volatile amine. It is an effective inhibitor for steam boilers and condensate return lines. It is used to protect systems from oxygen and carbon dioxide corrosion. As it reacts with molten oxygen in the boiler, it condenses in the condensate return line and increases the pH. It prevents the formation of carbonic acid, protects the steam lines and prevents the transport of Fe2O3 (rust) to the boiler

Directions For Use/Applications & Dosage Rates General Cleaning

If there is no chemical in the boiler for condensate control, or if the water has changed, you can shock the system by adding the first dosage for ProPure CC, which is 250 g/ton water. Afterwards, feed the boiler with a water dosage of 50-100 grams/ton.

The most ideal dosing places are the steam collector feeding water inlet line, water station of the degasser or condensate (hot well) tank.

To provide continuity in the system, it is recommended to be dosed by means of the dosage pump.

TEST METHOD

pH Test: The ideal pH range is between 8.0 - 9.0 in the tests performed. This pH range is the range where the system (steam lines) works in the most ideal and effective manner.

Conductivity: As the conductivity value is smaller, the quality and purity of the steam and life of the condensate stops get longer. It is important to have this value below 50 µS/cm. This value will provide a longer life for the system (durable) and for better steam quality. Conductivity can be kept under control by means of a conductivity meter.

NOTE: Since, purified water is used during the production of ERTEK ProPure CC, you'll have significant advantages like no extra chloride and hardness will be added to the system with the dosage of ProPure CC.

Summary

- ProPure CC prolongs the lives of both lines and condensate stops by preventing corrosion and perforation within condensate lines (steam lines) and therefore provides significant energy saving with regular use.
- In regular use, it prevents abrupt stops, explosion, perforation, blocking and provides both time and cost saving without requirement of extra cleaning process in periodical maintenance.
- In regular use, it provides most efficiency from the steam by keeping the steam quality at maximum.

A) Organic Properties

Apperance

Physical State (20°C): Liquid
Color : Transparent
Odor : Acrid odor

B) Physical Properties

pH	: 11.0 – 13.0
Molecular weight	: -
Explosion Limit	: None
Flash point	: None
Relative Density	: 0.95 – 1.05 g/cm^3
Solubility in water.	: Completely soluble

Storage Conditions

Packed in original plastic jerry cans of 25L. Storage period is 3 years.

Approvals & Certificates

IMO ISO 14001 ISO 9001

Product No : SP-KS-002

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