

ProPure CS EK-1 WH (BOILER WATER TREATMENT)

Anti corrosive and anti-scab for boiler and steam lines.

Description

ProPure CS is an additive designed for steam and hot water boilers. It effectively prevents furring, ooze, and corrosion that can occur within the boiler by adding specific amounts to the boiler water. This comprehensive product not only manages oxygen corrosion and furring but also helps to balance alkalinity. It contains a catalysed sulfide-based oxygen scavenger.

Directions For Use/Applications & Dosage Rates General Cleaning

If there is no treatment chemical in the boiler water system, first dosage for ProPure CS is 250 g/ 1 ton of water. Following dosages will be calibrated to 30-100 grams/ton (water).

The most ideal dosing place for ProPure CS is the make-up water inlet line, the water station of the degasser or the condensate (hot well) tank.

We recommend that the dosing process be done by a dosage pump for the continuity of the process.

TEST METHOD

SULFIDE TEST: Same test methods for ProPure BWT is valid. Since this product contains Sulfide instead of Hydrazine, the amount of the Oxygen scavenger must be measured by performing the "Sulfide Test". ProPure CS is a sulfide-based catalysed product, which is why it is recommended to be used for boilers up to 30 atm maximum.

For 0-10 atm boilers, 50-60 ppm,

For 10-20 atm boilers, 40-50 ppm,

For 20-30 atm boilers, 30-40 ppm of sulfide provides sufficient protection.

Boiler Water Treatment

Summary

- ProPure CS provides significant energy savings by preventing furring, corrosion which may occur within the boiler with regular use.
- In regular use, it provides the steam lines lifetime at maximum.
- In regular use, it prevents abrupt stops, explosions, perforations, blocking and provides both time and cost savings without the requirement of an extra cleaning process in periodical maintenance.
- In regular use, it decreases energy cost and increases steam quality by shortening the regime period of the boiler (the period of steam production starting from the working time).

A) Organic Properties

Appearance

Physical State (20°C): Liquid

Color : Transparent liquid

B) Physical Properties

pH : 3.5 – 4.5

Molecular weight : -

Explosion Limit : None

Flash point : None

Relative Density : 1.10 – 1.15 g/cm³

Solubility : Completely soluble in water.

Storage Conditions

Packaging: Packed in original plastic jerry cans of 25L.

Storage period is 3 years.

Approvals & Certificates



Product No : SP-KS-005