

BOILER AID 385X

METAL CORROSION & SCALE CONTROL



PRODUCT APPLICATION GUIDE

BOILER AID 385X a 90% active Ultra-Concentrated All-N-One Tannin/Reducing Agent based Steam Boiler Treatment!

BOILER AID 385X reduces corrosion from dissolved oxygen entrained in boiler feed water. When maintained in its proper control range BOILER AID 385X alleviates the significant corrosion problems and failures associated with oxygen pitting in boilers.

BOILER AID 385X based on world-wide proven tannin & reducing agent chemistries forms a molecular bond with iron to defuse corrosive oxygen from the metal surface.

BOILER AID 385X is a more efficient boiler water treatment unlike Sulfite based treatments because it does not grossly contribute to dissolved solids/conductivity in the operating boiler.

BOILER AID 385X is far more resilient vs. competitive Sulfite based products in that it does not require copious amounts of chemical product – sulfite reactions are 10:1 vs. dissolved oxygen!

BOILER AID 385X contains polymeric anti-scalants & dispersants to control hardness scaling potential. Soft water make-up and high quality condensate are always preferable but when there is hardness leakage to the boiler, BOILER AID 385X will prevent short-term build-up of heat transfer robbing Calcium salts.

BOILER AID 385X will disperse accumulated particulate scaling salts in boiler. BOILER AID 385X has the ability to disperse and remove Phosphate, Sulfate and Iron Oxide corrosion deposits that may form or have accumulated in the lower flow areas of the boiler.

BOILER AID 385X and its blend of volatile neutralizing amine components reduce condensate and steam line corrosion.

BOILER AID 385X acceptable for Food, Drug & Cosmetic plant applications as governed by FDA.

BOILER AID 385X eliminates the handling nuisance encountered with handling the irritating dust from powdered Sulfites. For individuals who may be sensitized and reactive to Sulfite compounds in general, BOILER AID 385X relieves the issue since they never come in contact with the material.

Application & Control

- Generally BOILER AID 385X is applied to the storage section of the De-aerator or injected directly into the boiler feed water tank (below the water line). A good starting point application rate for steam boilers operating at 10 cycles of concentration would be 35 ppm of BOILER AID 385X per 1,000 gallons or 1.1 pound per 4,000 gallons of make-up water to achieve 350 ppm BOILER AID 385X present in the operating boiler. Residual Tannin/Reducing Agent control in the boiler water is generally 75-150 ppm. "P" Alkalinity values of 300 ppm or more and/or minimum Free Hydroxide "OH" values of 200 ppm maintained in the boiler water. Condensate return pH control of 7.5-9.0.
- Product Control accomplished using one of the following: 987L-Total Reducing Agent Control Drop Count Test Kit (1 drop = 10ppm Tannin) or any similar Tannin Test Method along with colormetric pH testing of condensate return (Phenol or Cresol Red).

PHYSICAL PROPERTIES:

Color/Form: Brown Liquid
 Odor: Characteristic: Amine
 Density: 1.15
 pH of 1% Solution = 12+
 Freeze Point: <32F+/-
 Freeze/Thaw: Full Recovery

GHS CODE: Irritant



DOT Class:

NON REGULATED



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