

BOILER AID-383 SIMPLICITY LIQUID ULTRA-CONCENTRATED INTERNAL STEAM BOILER TREATMENT





PRODUCT APPLICATION GUIDE

BOILER AID-383 a 95% active Ultra-Concentrated polymer/dispersant internal Steam Boiler Treatment!

BOILER AID-383, typically used for soft to moderately hard water make-up (total hardness levels in the make-up water of 0-100 ppm CaCO3. Soft water is preferred to reduce scaling potentials) low-pressure boilers of 1200 psi or less and/or applications involving high capacity steam generation.

BOILER AID-383 contains powerful Sequestering & Dispersing Agents designed to complex scale forming calcium, phosphate and iron molecules so their scaling affects in the boiler can be negated. The combined scale forming ions are then easily removed thru the regular blow down process.

BOILER AID-383 has Polymeric Conditioning Agents to modify the crystalline structure of Calcium Carbonate to a non-adherent sludge easily removed in the blow down.

BOILER AID-383 contains an anti-foam additive to control boiler water foaming tendencies from higher conductivity levels. Steam Line and Oxygen corrosion control agents are to be fed separately.

BOILER AID-383 is compatible with any of the other steam line, oxygen scavenging or dispersing products that are in the general marketplace.

BOILER AID-383 acceptable for Food, Drug & Cosmetic plant applications as governed by FDA.

Application & Control

- Approximate feed rate is approximately 0.1-0.2 pounds (12.0-24.0 ppm) per 1,000 gallons of make-up water. Exact product dosages rates will depend on the amount of total hardness, phosphate and iron present in the feed water and whether or not residual BOILER AID-383 is needed to help in removing existing scale/deposits entrained in the boiler. Applying BOILER AID-383 at 12 ppm and a boiler operating at 10 cycles of concentration yields 120 ppm of BOILER AID-383 present in boiler with a residual active polymer load of 24 ppm.
- De-aerated feed water is preferred but a minimum of heated feed water temperatures of 180 F should be maintained to maximize product dosage requirements.
- Product control limits in the boiler water are 10-40 ppm Total Polymer, "P" Alkalinity values of 500 ppm or more and/or minimum Free Hydroxide "OH" values of 200 ppm maintained in the boiler water.
- Total Hardness levels in the boiler water should not exceed 500 ppm under any circumstances.
- Condensate pH levels should be maintained in the 7.5 8.5 pH range.



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