

WATER TREATMENT *Solutions*



F-348

STOP SCALE™

Water Treatment



- Steam Boiler scale and corrosion to maintain system efficiency
- Simple quick product active testing
- Certified by NSF and CFIA for use in food plants where steam produced may contact edible products

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STOP SCALE™

Water Treatment

Stop Scale is a combination of powerful scale and corrosion inhibitors in conjunction with an oxygen scavenger to provide a complete steam boiler program. This unique combination of phosphate and polymer-based inhibitors prevents scale and promotes the formation of light, fluffy sludge that can be easily removed from the boiler system through regular bottom blow down.

Stop Scale prevents energy-robbing scale and reduces sludge, allowing for efficient fuel usage to minimize your energy costs. The oxygen scavenger in Stop Scale controls damaging oxygen corrosion common in steam boiler systems. The Stop Scale corrosion control program protects your steam system investment and maximizes the life of your equipment.

Stop Scale uses an easy-to-test-for product tracer that allows for quick and simple product level determination.

Stop Scale is certified through NSF and CFIA for treating boilers or steam lines (G6) where steam produced may contact edible products.

DIRECTIONS FOR USE:

Use sufficient Stop Scale to achieve a State Sodium Molybdate test level between 6 - 8 ppm, an ortho phosphate level of 40 - 60 ppm, and a sulfite test level of 30 - 60 ppm. For typical applications, the required feed of Stop Scale is two quarts of product for every 250 gallons of fresh make-up water added to the boiler. Product should be added to the feed water tank for best results. No product mixing or dilution is needed, however, a day tank dilution system can be used if desired. Use the State Water Treatment test kit #113721 to test for product and boiler conditions. To measure ortho phosphate in the steam boiler use State Test Kit #124663. If the above tests are out of range on the low end, increase product usage.

Perform bottom blow down at specified periods to remove solids accumulations. System TDS levels are determined by the quality of the fresh make-up water available. Generally, TDS levels should be maintained below 3500 ppm. Your State Chemical representative will review the water conditions for the boiler system and recommend a TDS limit for your system.

Stop Scale should be added with a pump and controller similar to the State Chemical boiler controller. For systems with high condensate return and low fresh water make-up requirements, a pump and timer system such as the State Chemical Percentage Pump # 114160 can be used.

For boiler systems with low condensate return or extremely high make up water TDS consider using a State Chemical surface blowdown controller #113383 and a blowdown valve package State part # 113377. For best results, it is recommended that the make-up water to the boiler system be softened.

RETURN LINE CORROSION:

Stop Scale is not formulated with a steam line neutralizing amine. For best results use State Chemical SuperHot Steam Treatment. Follow label directions and maintain condensate pH between 7.5 and 8.0. Clean Line BWT cannot be used where steam contacts milk or milk products.

Stop Scale may be used for wet boiler storage during off line system storage. INITIAL TREATMENT: Use 1 gallon for every 100 gallons of boiler water.

Maintain a residual sulfite level at 100 - 120 ppm in the boiler water. Test Sulfite level monthly during the wet storage period.

Please review label and SDS for all product directions, precautions, and first aid information.

TECHNICAL DATA:

APPEARANCE: Clear, pale yellow

SPECIFIC GRAVITY: 1.064-1.076

pH: <12.5

PRODUCT TESTING AND CONTROL:

PRODUCT INDICATOR AS SODIUM MOLYBDATE: 6 - 8 PPM

SULFITE TEST RANGE: 30-60 ppm

BOILER WATER TDS: 3500 ppm Max

HYDROXIDE ALKALINITY: >200 ppm as OH

P-ALKALINITY: 300-600 ppm

TOTAL ALKALINITY: 700-ppm max

ORTHO PHOSPHATE RANGE: 40 - 60 ppm

PACKAGING

20990	Drum 55
20992	Drum 20
125593	1 GL Container/CS4



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