ONE "S"

Multi-Purpose Steam Boiler Treatment For Soft Water (New & Improved)

- *Controls **lime, scale, rust** and **mineral** deposits.*
- ***Protects** metal surfaces, especially in highly corrosive waters.*
- *Contains a **steam line treatment** and **oxygen scavenger** for greater corrosion protection.*

ONE "S" is a phosphate-based formulation that utilizes a polymeric scale inhibitor to effectively inhibit the deposition of calcium carbonate. This superior blend also works well to disperse suspended solids for easy removal through blow down. **ONE "S"** is especially well suited for use with soft water make-up, in low pressure heating systems and in industrial systems that operate at high steam pressures. It also contains a steam line treatment that travels with the steam condensate and oxygen scavenger, both of which increase the corrosion protection of your system.

Directions:

The dosage of **ONE "S"** will depend on the percent of condensate returned, makeup water characteristics and initial cleanliness of heat transfer surfaces. The treatment program must be accompanied by regular blowdown to remove sludge and suspended solids from the boiler. **ONE "S"** may be fed on a 'one shot' basis or with an automated continuous system. Gradual and continuous feeding is recommended for industrial process and other large boilers. **ONE "S"** may be mixed with other boiler treatment chemicals and diluted with water for convenient feeding. If the boiler water system has not been previously treated, add a starting dosage of twice the amount recommended for weekly dosages for the first four weeks.

For weekly maintenance: Add 1/2 gallon (2 quarts) of **ONE "S"** per week for each 25 horsepower of boiler capacity, or 1 gallon (4L) for every 125 gallons (500L) of boiler water capacity. This use rate may vary due to feed water hardness and differences in a boiler's related horsepower versus the boilers operational horsepower.

Blowdown: Open the blowdown valve until the level drop in the sight glass is reached, recommended starting point is 2 inches twice a week. Blowdown schedules will vary depending upon water hardness and permissible cycles of concentration.

CONTROL PARAMETERS:

ONE "S" treatment dosages should be controlled using a test kit which indicates organophosphate (PO_4) levels.

Organophosphate (PO_4) levels should be maintained between 20 PPM and 40 PPM. (closer to 40 PPM is optimum)

Sulfite (SO_3) levels should be controlled between 20 PPM and 40 PPM. (closer to 40 PPM is optimum)

Sulfite (SO_3) levels must be tested on site as the sulphite (SO_3) residual is reduced in transit to the lab.

This treatment program must be accompanied by a regular blow down schedule to maintain suggested chloride (CL) or conductivity levels.