

RX 1500

RX 1500 for steam boilers, controls scale and controls oxygen corrosion. **RX 1500** is an advanced copolymer product, formulated as a single product boiler treatment. It reduces boiler deposits and corrosion, and it minimizes or otherwise reduces the operating costs of medium pressure process boilers, particularly those using non-softened make up water. **RX 1500** incorporates the most modern blend of synthetic polymer chemistry by combining an exclusive polymer with an oxygen scavenger, a sludge dispersant and alkalinity builders.

Application

It only takes 0.04" of boiler tube scale to increase the fuel usage by 9.3% in a steam boiler. In turn, this increases the risk of boiler tube burnout. In addition, the oxygen in the boiler water will cause underdeposit corrosion and boiler tube pitting. **RX 1500** prevents these problems from happening and assures energy efficient, maintenance free operation and long-life to the heat transfer surfaces.

Benefits

Formulated to treat unsoftened boiler waters. Prevents hard water scale deposits and can remove existing scale deposits. Prevents oxygen pitting and corrosion. Controls surging and foaming. Maintains balanced chemical residuals in the boiler. Only one chemical treatment needed to treat the boiler. Compatible with most amine products.

Method of Feeding

RX 1500 should be fed continuously to the storage section of the deaerater, feed water tank, or condensate receiver. Interruptions in feeding may result in the formation of boiler scales and corrosion due to oxygen as residuals may fall too low. **RX 1500** may be fed full strength through a metering feed pump or diluted with water in any ratio.

The metering feed pump should be tied directly into the controls of the boiler feed water pump or be activated and operated in conjunction with a boiler conductivity blowdown control system.

Feed Requirements

RX 1500 dosing rates are dependent on the makeup water quality and feed-water temperatures. Routine tests should be performed to confirm that adequate **RX 1500** treatment residuals are maintained. The most effective test to utilize in monitoring treatment residuals are the alkalinity tests; total or "M" alkalinity should be maintained at 500 - 700 ppm and the hydroxyl or OH alkalinity should be maintained at 200 - 500ppm. In addition, sulfite or oxygen scavenger should be maintained at 30 - 60 ppm (mg/L); use of OXSCAV, an oxygen scavenger, may be necessary in support of **RX 1500** to maintain proper sulfite residuals.

Steam Lines

RX 1500 only protects boilers, not steam lines. Use **SBT 150** treatment for steam and condensate return line protection.