

TRIO CBI-55

BOILER WATER TREATMENT & CONDENSATE CONTROL

TRIOCBI-55 is a liquid form product containing alkali compounds, scuff and corrosion inhibitors and volatile amine groups used to protect the water space and condensate return lines of the boiler in water or flame tube boilers operating up to 30 bar pressure. It prevents the formation of winter by converting hardness-forming calcium and magnesium salts into soft and non-sticky precipitate. It eliminates dissolved oxygen in feed water and provides corrosion protection in boiler pipes and condensate lines. It creates p-alkalinity in the boiler water and removes the boiler water from the acidic area. It prevents punctures in the return lines by increasing the low pH values (acidic environment) created by carbon dioxide in the condensate return lines. TRIOCBI-55 must be continuously dosed into the feed water suction line in the system with the help of a dosing pump as long as the boiler is running.

PRODUCT FEATURES AND BENEFITS

- It saves energy by preventing lime and corrosion to be formed in the boiler in regular use.
- It prevents punctures, bursts and blockages in regular use and keeps maintenance costs to a minimum.
- It increases the efficiency of the steam by keeping the steam quality at max. in regular use.
- It extends the life of boiler equipment and parts.
- It reduces energy costs in regular use.
- It reduces maintenance and operating costs.

DOSAGE AMOUNT AND INTENDED USE

The first TRIOCBI-55 dosage of the work without any conditioning program applied to the boiler water is 250 gr. for 1 ton of water. The amount of continuous dosing is 50-100 gr. for 1 ton of water depending on the quality of the feed water. 100-300 ppm (CaCO₃) p-alkalinity and max. The presence of 300 ppm chloride; the pH range of condensate return water should be 8.3-9. In the presence of > 300 >ppm chloride and 300 ppm p-alkalinity, the boiler should be blown until the chloride and p-alkalinity values in the boiler water are reduced to the desired levels.

NOTE: Please review the MSDS reports before use for safety, occupational health and safety.