

Phosphate Treatment for Boiler Water Systems

PRODUCT DESCRIPTION

PHOSTREAT is a highly soluble, dry powder used for the reduction of hardness in boiler water systems. It will precipitate calcium hardness as a non-adherent sludge.

DIRECTIONS FOR USE:

This treatment is usually used in conjunction with ALKALINITY CONTROL, and can be used in conjunction with other treatments PHOSTREAT is formulated to maintain an optimum phosphate level within the boiler. With the correct phosphate level, the hardness salts based on calcium will not form, as the calcium will react with the phosphate to form a precipitant which will not attach itself to metal surfaces, but will be in a form suitable for blow down.

DOSAGE:

PHOSTREAT is used in controlled amounts so that a free phosphate level is maintained in the boiler. This level is determined by the boiler pressure. Initial dosage is dependent on the quality of feed water used. To raise the phosphate level during normal working, dose 23 gramme per tonne of distilled water to raise the phosphate level by 20ppm.

DOSING METHOD:

For optimum results dose PHOSTREAT direct to the boiler via the bypass pot-feeder installed in the boiler water feed line.

In low-pressure boilers (Group 1) PHOSTREAT may be dosed to the hot well (condensate return tank).

The dry powder should be dissolved in hot water (50°C) at a ratio 1 part powder to twenty parts condensate (e.g. 500 grms/10 litres). Ensure treatment is fully dissolved.

PRODUCT PROPERTIES:

Appearance: White to pale yellow Crystalline Powder

Condition: free Flowing

FEATURE AND BENEFITS

- 100% active phosphate based compound low product usage.
- Scale problems due to calcium are eliminated.
- Maintains correct phosphate balance.
- Sludge is in a non-adherent state for ease of blow down.
- Simple test to determine level of treatment.

APPLICATIONS:

- Used for precipitation calcium hardness to prevent calcium scales forming in all types of boiler water systems.
- Can be used for boilers of all pressures.