

ZI-CHEM 16A5 Steam Boiler Scale Control

HIGHLIGHTS

ZI-CHEM 16A5 is an essential component of the ZI-TECHASIA boiler efficiency management program designed for high pressure boiler plant in power and industrial applications.

This product is based on a balanced blend of pure grade tri-sodium phosphate in combination with caustic-based alkalinity balance.

This formulation is particularly used to manage the formation and maintenance of a durable and stable magnetite film to minimize corrosion, particularly flow accelerated corrosion (FAC) in modern combined cycle and other thermal power plants.

At the same time the chemistry balance achieved minimizes insulating scale deposits from contaminants on the tubes. The chemistry balance achieves the recognized equilibrium phosphate program chemistry.

TYPICAL PROPERTIES

- Appearance: Clear light yellow liquid
- Specific gravity: 1.0 – 1.2
- pH : 12.0 – 14.0
- Flash point: None

PRIMARY APPLICATIONS

The primary feed point for steam boilers is continuous direct to the boiler steam drum via a stainless steel injection quill. Alternate location is the feedwater line, but this is not recommended for boilers.

FEEDING & CONTROL

ZI-CHEM 16A5 should be added using a chemical metering pump with liquid end constructed of suitable materials. These include PVC, polypropylene, viton, Teflon and stainless steel.

The dosage will depend on the operating conditions and the chemistry of the water being treated. Your ZI-TECHASIA technical field specialist will recommend the most appropriate dosage for your particular application on an ongoing basis.

APPROVAL

FDA acceptable in accordance with 21 CFR Section 173.310- Boiler water additive.

THE BENEFITS

- Reduced total fuel cost
- Increased steam production
- No off-line cleaning required
- Extended equipment life

COMMON APPLICATIONS

- Thermal power generating utilities
- Petrochemical plants
- Oil & gas refineries
- Pulp & Paper processing

PACKAGING

- 25kg pails
- 240kg drums
- 1,000kg IBC and containers

HANDLING & SAFETY

ZI-TECHASIA maintains a database of safety data sheets (SDS) on all our products. These contain health & safety information to assist in the safe and appropriate chemical handling, ensuring the protection of personnel.

