

ZI-CHEM 1650 Steam Boiler Scale Control

HIGHLIGHTS

ZI-CHEM 1650 is an essential component of the ZI-TECHASIA boiler efficiency management program.

This product is specifically designed for high pressure boilers where a congruent or co-ordinated phosphate/pH program is desired. The phosphate ratio in this product achieves a critical sodium to phosphate ratio of 2.6:1.0, which is necessary for preventing caustic corrosion.

In addition a number of high performance thermally stable synthetic polymer dispersants are included in the product to provide dispersancy of phosphate precipitates and any suspended contaminants at high pressures. This combination is effective where hardness is present in the feedwater (eg: when the pre-treatment water softening equipment is not present or functioning correctly).

ZI-CHEM 1650 has been thoroughly tested proven thermally stable up to 1,400 psig.

TYPICAL PROPERTIES

- Appearance: Clear Colourless to Amber Liquid
- Specific gravity: 1.1 – 1.3
- pH (neat) 12.0 – 14.0
- Freeze point -2.0 °C

PRIMARY APPLICATIONS

The primary feed points for ZI-CHEM 1650 are the feedwater tank, deaerator storage or feedwater line. It is best fed on a continuous basis the feedwater.

FEEDING & CONTROL

ZI-CHEM 1650 should be injected to boiler or pre-boiler 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, and also USDA approvals for G5, G6, G7.

THE BENEFITS

- Reduced total fuel cost
- Increased steam production
- No off-line cleaning required
- Extended equipment life
- Suitable for high pressure boiler up to 1,400 psig

COMMON APPLICATIONS

- Petrochemicals
- Oil refinery
- Power generating facilities

PACKAGING

- 25kg pails
- 200kg drums
- 1,000kg IBC containers

HANDLING & SAFETY

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

