

ZI-CHEM 1610

Steam Boiler Scale & Corrosion Control

HIGHLIGHTS

ZI-CHEM 1610 is an essential component of the ZI-TECHASIA boiler efficiency and plant maintenance management program. It is designed to prevent dense deposits adhering to critical heat exchange surfaces and thereby maximizing heat transfer and preventing increases in fuel consumption.

This product is comprised of a high performance blend of scale and corrosion inhibitors, including thermally stable polymer dispersants, metals sequesterants, neutralizing amines, organic sludge conditioners and antifoam.

This provides a solubilizing program, where potentially scale forming contaminants are held in solution and dispersed, avoiding the sludge problems often associated with phosphate precipitation programs.

In addition ZI-CHEM 1610 includes an advanced corrosion inhibition program for the preboiler, boiler and afterboiler section. The mekor oxygen scavenger and metal passivator provides protection from oxygen throughout the system, while the blend of neutralizing amines buffers the feedwater and neutralize carbonic acid in the steam and condensate lines.

ZI-CHEM 1610 has been thoroughly tested proven thermally stable up to 1,200 psig.

TYPICAL PROPERTIES

- Appearance: Dark brown liquid
- Specific gravity: 1.0 – 1.1
- pH (neat) 12.5 – 14.0
- Freeze point: -5 to -8 °C
- Boiling point: 100 °C

PRIMARY APPLICATIONS

The primary feed points for this product are the feedwater tank, deaerator storage or feedwater line. It is best fed on a continuous basis the feedwater.

FEEDING & CONTROL

ZI-CHEM 1610 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.

THE BENEFITS

- Reduced total fuel cost
- Increased steam production
- No off-line cleaning required
- Extended equipment life
- Suitable for high pressure boiler up to 1,200 psig
- Easy handling with one drum treatment product

COMMON APPLICATIONS

- Automotive industries
- Packaging facilities
- Pulp & Paper processing
- Timber processing

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.

