Product Technical Data

ZI-CHEM

ZI-CHEM 11G0
Steam Boiler Scale Control

HIGHLIGHTS

ZI-CHEM 11G0 deposit inhibitor 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.

When used in conjunction with suitable polymer dispersants and sequesterants, this reaction ensures that these contaminants do not precipitate on the tubes and interrupt heat transfer.

TYPICAL PROPERTIES

- Appearance: Clear colorless liquid
- Specific gravity: 1.0 – 1.1
- pH (neat) 12.0 – 14.0
- Flash point: None

PRIMARY APPLICATIONS

The primary feed points for steam boilers are direct to the boiler drum via a stainless steel injection quill.

FEEDING & CONTROL

ZI-CHEM 11G0 should be added to a chemical dosing tank, and if required, diluted with water, then 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
- Easy handling due to its liquid form
- Suitable for high pressure boiler

COMMON APPLICATIONS

- Petrochemicals
- Oil refinery
- Power generating facilities
- Food Industries

PACKAGING

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

ISO 9001:2008 Certificate No.SG12/04040 ISO 14001:2004 Certificate No.SG12/04041