

ZI-CHEM 12E0 Steam Boiler Corrosion Inhibitor

HIGHLIGHTS

ZI-CHEM 12E0 corrosion inhibitor is an essential component of the ZI-TECHASIA maintenance protection program of the boiler and after boiler systems.

ZI-CHEM 12E0 is a concentrated liquid treatment used to chemically remove oxygen and form a passivating film on metal surfaces in feedwater, boiler water and condensate in steam generating systems.

ZI-CHEM 12E0 contributes no dissolved solids and minimal ammonia to the boiler system. It can be used in boilers of any pressure, up to and including supercritical (220 barg), and can be fed into feed-waters used for spray attemperation.

TYPICAL PROPERTIES

- Appearance: Clear colourless liquid
- Specific gravity: 1.0 – 1.2
- pH (neat) 6 - 10
- Flash point: None

PRIMARY APPLICATIONS

The primary feed point for steam boilers is continuous to the deaerator storage vessel via stainless steel injection quill. Alternate location is the feedwater line.

FEEDING & CONTROL

ZI-CHEM 12E0 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

- Avoid unscheduled shutdown due to corrosion problem in the boiler, steam and condensate systems.
- Extended equipment life.
- Provide corrosion protection to the after boiler sections of the system.
- Easy handling due to its liquid form
- Suitable for high pressure boiler application

COMMON APPLICATIONS

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

PACKAGING

- 25L pails
- 220L drums
- 1,000L IBC's or in bulk

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.

