

ZI-CHEM 11D0 Steam Boiler Scale Control

HIGHLIGHTS

ZI-CHEM 11D0 is an essential component of the ZI-TECHASIA boiler efficiency management program.

This product is a concentrated scale deposit control agent based on a thermally stable hydroxyl ethylidene diphosphonic acid polymer used in steam boilers. This product is noted for its excellent calcium carbonate inhibition even if hardness were to enter the boiler from a malfunction of the boiler feed water pretreatment plant.

ZI-CHEM 11D0 is noted for its ability to sequester iron, copper and other contaminants that can enter a boiler and cause problematic deposits on the critical heat exchange tubes.

TYPICAL PROPERTIES

- Appearance: Water white to pale yellow liquid
- Specific gravity: 1.2 – 1.6
- pH (1.0% soln) 1.5 – 2.5
- Freeze point: - 25 °C
- Boiling point 101 °C

PRIMARY APPLICATIONS

The primary feed points for boilers are the feed water tank, deaerator storage, feed water line, or direct to boiler drum. It is best fed on a continuous basis the feed water.

FEEDING & CONTROL

ZI-CHEM 11D0 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/NSF approvals for G5, G6, G7.

THE BENEFITS

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

COMMON APPLICATIONS

- Automotive industries
- Packaging facilities
- Food Industries
- Pharmaceutical
- 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.

