

## Autoplex

### Description

#### WATER TREATMENT

**Product Code:** 320001

#### MULTIFUNCTIONAL BOILER WATER TREATMENT

- Cleans the boiler, reducing maintenance costs
- Prevents corrosion
- Provides scale inhibition
- Neutralizes the acids in the condensate system
- Confronts the low-pH corrosion of the condensate
- More efficient heat transfer; energy saving
- Easily removed sludge by blowdown, thanks to suspension
- Easy to feed and control
- Treatment level determined with a simple test kit

##### APPLICATION AREAS

Boilers of up to 30 bar  
Auxiliary boilers  
Waste heat recovering units  
Economisers  
Steam generators

##### PROBLEMS SOLVED

Scale buildup on tubes  
Heat transfer obstruction  
Acid cleanings  
Condensate low-pH corrosion  
Downtime and maintenance

### DESCRIPTION

**Autoplex** is a premium boiler water treatment additive, for the maximum protection of the boiler systems. The protection is achieved by coupling phosphate treatment with new polymer technology. **Autoplex** comprises all scale and corrosion inhibitors, sludge conditioners, alkaline and amine components necessary for the protection of the boiler systems.

By using the advanced technology that **Autoplex** offers, the user may show more tolerance for feedwater quality fluctuations. Thanks to its polymers, the precipitates are kept soft, non-adherent and are easily removed through blowdown. Iron is also kept dispersed. Its highly alkaline formula protects from low-pH corrosion in the after-boiler section.

Always combine **Autoplex** with **Oxyplex** oxygen scavenger and corrosion inhibitor, to obtain the most modern, safe and effective boiler water treatment program.

## APPLICATION

**Autoplex** may be applied to any boiler up to 30 bar.

**Autoplex** must be always used in combination with an oxygen scavenger, preferably **Oxyplex**, but **OxyControl HZ** is also acceptable.

Only use with good quality feed water. Use **Autoplex** according to the treatment programme that **New Age Chemicals** has suggested. **New Age Chemicals** marine specialists are always available for any further technical assistance required.

## USE AND DOSING

**Autoplex** can be continuously dosed with a dosing unit or by-pass pot feeder to the feedwater line downstream of the feedwater recirculation offtake. If a gravity feed flowmeter is implemented, dosage should take place to the hotwell or cascade tank.

**Autoplex** should be diluted with distilled water or condensate in the dosage tank and dosed continuously all day long, meeting with system demands. Dosage should be at least 1.2 litres per ton of boiler capacity, so that P-Alkalinity should be 100 ppm. Initial system treatment should start with 200 ppm of P-Alkalinity, which is 2.4 litres of **Autoplex** per ton of boiler capacity. Chlorides should not exceed 200 ppm and the pH of the condensate should fall between 8.3 and 9.0. These are recommended values, always follow manufacturers specifications.

Use **Autoplex** every day to adjust treatment level. Always test sample from the same sampling point after blowdown. Cool sample down and test immediately.

## PRODUCT PROPERTIES

Product is incompatible with aluminium, zinc, light alloys and galvanised steel.

Appearance: Pale yellow liquid

pH (undiluted):  $13.0 \pm 1.0$

Density:  $1.10 \pm 0.05 \text{ g/cm}^3$

Flash Point: None

Solubility in water: Fully soluble

## RELATED PRODUCTS

**BoilerPak LP** boiler water test kit

**Oxyplex** oxygen scavenger boiler water treatment