

HYDRO 437

Corrosion and Scale preventative

Description

Hydro 437 is a liquid an on-line treatment containing is a blend chelating agent, oxygen scavenger and dispersant. **Hydro 437** is formulated to provide complete protection against corrosion and prevent the scale build up. **Hydro 437** is recommended for use in low and medium pressure boilers where pure steam is required.

Properties

Colour	Colorless liquid
Odour	nil
Specific Gravity	1.05 – 1.10 at 20°C
pH	8.0 – 10.0

Method Application

Solutions of less than 10% **Hydro 437** in water should be made up in a chemical dosing tank and added either to the boiler or to the feed tank by means of a proportion pump. Once the boiler is cleaned from the existing scale, we will recommend the regular chemicals for controlling the scale and corrosion.

Dosage Rate

- (1) Actual quantities of **Hydro 437** required depend upon : Total steam production
- (2) Temperature of feed water
- (3) Rate of blowdown

Example :

For every 1000 litres of feedwater used :

- (1) at a temperature of 82 C (180 F) 60 gr of **Hydro 437** would be required.
- (2) at a temperature of 66 C (150 F) 80 gr of **Hydro 437** would be required.

Control

In order to maintain correct levels of **Hydro 437** regular test should be carried out on the boiler water. The level of hydrazine should be maintained at 0.5 - 1 mg/l at all times. The necessary test kit, relevant technical advice, and service are available from **Hydro-Chem**.

Caution

In case of accidental contact with skin wash off immediately with water. In case of accidental contact with eyes flush thoroughly with water for 15 minutes and seek medical attention.

Conversion units

1 hp (boiler)	= 9,8 kilowatt
1 hp (boiler)	= evaporation Of 34,5 lbs of water/hour
1 kW (boiler)	= evaporation of 1,6 kg of water /hour
1 gallon	= 4,54 litres
1 lb	= 454 gram
1 kg	= 2,2 lbs
1 ppm	= 1 mg/L

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