

BW75

BW75 is a liquid blend of tannins and polymer together with an alkalinity builder for use as an oxygen scavenger and sludge conditioner in low pressure (less than 20 bar) steam boiler treatment.

The product can also be used as part of a corrosion inhibitor programme for closed hot water systems eg. MPHW installations (not suitable for systems containing aluminium) and steam locomotives.

ADVANTAGES

- Provides control of corrosion due to oxygen in the water
- pH adjusted to provide increased alkalinity
- inhibits the formation of scale
- Easy to control and test for product
- Contains only ingredients approved under the US FDA Regulations

HOW MUCH TO USE

As a guide for steam boiler water treatment, an initial dose of 1 litre for every 1000 litres of system capacity. **BW75** is an oxygen scavenger and an alkalinity builder, so dosage needs to be calculated for both functions and the higher of the calculated dosage used. As an approximate guide, a dosage of 70ml of **BW75** is required for every m³ of a softened water make up. If hard water make up is used, a higher dosage may be required as tannin can be lost due to reacting with precipitating hardness salts.

For closed systems containing raw water, an initial dose of 1 litre per m³ of system volume is recommended as an approximate guide. Maintenance treatment depends on the make up rate; as a guide use 0.5—1 litre per 10 m³ to achieve the correct Tannin Index.

For steam locomotives, an initial dose of 5 litres per m³ is suggested. Maintenance treatment depends on the operating pattern of the locomotive. As a guide, use 250—500ml per m³ of make up.

TESTING AND CONTROL

The product should be controlled to maintain the following levels:
Tannin Index : Steam boilers: 12 – 20; Closed systems: 12-16; Steam locomotives: 6—9. **TDS and pH**: According to Boiler Water BS recommendations

PROPERTIES

Appearance:	Dark brown liquid
Specific gravity:	1.15 – 1.25
pH (neat product)	10.0 – 10.5

HANDLING AND STORAGE

BW75 is a moderately alkaline, non-volatile liquid. The product should be handled with care avoiding contact with skin and eyes. Normal precautions should be taken with chemical handling. Wear gloves and goggles. Wash affected areas with copious quantities of water. Consult MSDS for further information.

PACKAGING

BW75 is available in 25 litre and 200 litre containers only.