



# ANGLO GULF LIMITED

انجلو الخليج المحدودة

## TECHNICAL DATA SHEET

### AQUA AG-110

#### ALKALINITY BUILDER FOR BOILERS

#### PRODUCT DESCRIPTION

**AquaAG-110** is a concentrated alkaline solution for the adjustment and elevation of pH in boilers. The product is recommended where the feed water contains an appreciable amount of magnesium hardness.

#### ADVANTAGES

- Reduces costly corrosion: a common occurrence in low pH ranges
- Non Corrosive to feed equipment
- Easy to use
- Is buffered to reduce the possibility of undesired pH swing.

#### APPLICATIONS

As an additive to steam boilers to improve precipitation of hardness salts and gives an anti-corrosive environment. **Aqua AG-110** is also suitable for addition to open and closed cooling circuits to increase PH and reduce the corrosion potential of the water.

**Aqua AG-110** is applied to low pressure steam boilers (up to 25 bar), to maintain a caustic alkalinity of 250-350 ppm as  $\text{CaCO}_3$ .

With medium pressure boilers lower caustic alkalinity is required for optimum boiler water conditions. With high pressure boilers caustic alkalinities should be controlled at very low levels in the order of 2-20 ppm as  $\text{CaCO}_3$  depending on boiler pressure.

**Aqua AG-110** should ideally be dosed directly to the boiler drum by means of a pressure dosage vessel or suitable chemical injection pump.

#### DOSAGE

Requirement will vary depending on the nature of water supply, the type of system being treated, and external factors like absorption of acid flue gases.



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**METHOD OF FEEDING**

AquaAG-110 can be fed by a chemical metering pump controlled by a pH monitoring controller.

**HANDLING AND STORAGE**

Avoid contact with skin and eyes. Avoid extremes of temperature. Store away from acids. Replace cap securely after use. Recommended storage limit is 2 years.

**SPECIFICATION**

pH	12.0-14.0
Specific gravity	1.4-1.6

**PACKING**

AquaAG-110 is available in 30 kg & 200 kg HDPE drums.

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