

HYDRO 410

Boiler scale preventative

General Description

Appearance	White free flowing powder
pH (1% solution)	7.3 – 10.5
Solubility in water	20 gr/100 cc @ 20 °C

Principle Use

Internal water treatment of large high and low pressure boilers.

Special Application

This product is approved for use in the food industry.

Features

Hydro 410	Maximum flexibility of alkalinity control
Hydro 410	Controls foam and carryover.
Hydro 410	Dissolves readily in cold water.

Direction for use

Hydro 410 solutions of up to 10% concentration can be prepared with cold water and will not crystallize under normal conditions. Such solutions can then be directly injected into the boiler drum. The quantity of **Hydro 410** to be added depends upon the water conditions. The daily dosage of **Hydro 410** can be calculated from the formula :

$$Lb = 0.01 Va \times Ca$$

$$Kg = 0.001 C1 \times Ca$$

where Va Volume of water to be treated in thousands of gallons per day (make-up water).

Where V1 Volume of water to be treated in thousand of litres per day (make-up water).

Ca Calcium hardness of the water to be treated expressed as ppm as CaCO₃.

Actual additions to boilers must be made to maintain the proper residuals of soluble phosphate within the boiler, as indicated by your Hydro Chemicals service representative.

Recommended Product Use

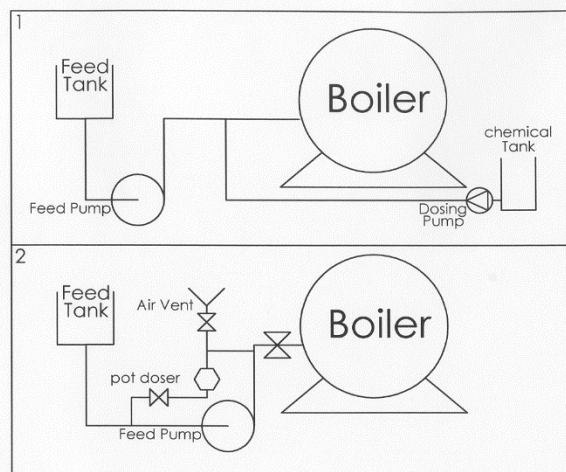
For best result, water treatment should be carefully monitored by routine daily tests.

Hydro 410 is not a complete internal treatment. In practically all cases, some alkalinity additions will also be necessary in most cases, it will also be desirable to feed an oxygen scavenger and/or an amine to gain complete corrosion control.

Call on your **Hydro Chemicals** representative for a complete recommendation.

Schematic Dosage

These diagrams show two alternative methods of introducing **Hydro 410** into the boiler feed water.



Regulatory Status

Hydro 410 complies with FDA regulations (21 CFR 173.310) for boiler water additives used in the preparation of steam that will contact food.

Hydro-Chem Pty. Ltd

27 Viking Court, Cheltenham,
Victoria, 3192 Phone (03) 5531011
Melbourne - Australia.



ISO 9001 WATER CERTIFIED