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Concerning: Magnetic water treatment.

20. February 1991

The installation of magnetic water treatment in Stignæsværket's fresh water supply (for both bathing and drinking water) began with a small experiment. An automatic hot drinks machine was chosen, because the water supply used plastic tubes which frequently had to be cleaned or exchanged, due to limescale blockage. These inconveniences ceased after the installation of the magnetic water treatment, and the limescale deposits in the tubes disappeared.

The effect was controlled and checked by means of two small tests:

Test number one compared the build-up of limescale in an electric evaporater. During the first week, untreated water was used in the electric evaporater. During the second week, treated water from the hot drinks machine was used..

In the first week, the build-up on the sides of the evaporater were as hard as those on the heating element.

In the second week, the limescale was so soft that it could be easily removed by simply rubbing it off by hand.

In the second test, two samples of water (each approx. ½ ltr.) were taken respectively from the inlet (before treatment) and the outlet (after treatment) of the magnetic water treatment unit. Both samples of water were subsequently evaporated to observe the structure of the left deposited limescale.

The deposited limescale from the inlet were hard and binding, whereas the deposited limescale from the outlet could easily be shaken out.

These results, combined with a 12 month money-back guarantee, were enough to persuade us to buy the magnetic water treatment system.

Our experience has been positive. Dismantling 11 year old pipes (where magnets had been installed for 1 year) showed no limescale deposits whatsoever.

The reduction in maintenance (apart from unforeseen incidents) has produced a reduction in man-hours of approx. 33% per year.

Yours sincerely

A handwritten signature in cursive script, appearing to read "Madsen Pedersen".

SEAS A/S  
Stignæsværket