

**ORIGINAL TESTIMONIAL in Dutch, English Translation**

Dear Mieke & Staf Harteel

Concerns : elaboration Harsonic ultrasound device

During 6 months, we had at our company a test carried out with an ultrasonic – device of Harsonic.

This test was done in a condenser of the ammonia cooling-tower. The cooling installations were renewed entirely, the old condenser (20 years) that still functioned but was preserved entirely polluted. The cooling installations were adapted of ammonia to ammonia/glycol.

To let function the condenser in optimum circumstances we appealed to the firma Harsonic to install an ultrasonic - toestel.

In association with the university of Leuven and Harsonic the tests were succeeded closely.

Rather occasional than aware, the university has been involved touched in these tests, within the framework of a research for the Flemish government we got the question to take part in this research. There we correctly started with cleaning the condenser we positive have reacted to this recall to get a clear and objective picture of the functioning of the ultrasonic - device.

We still have two other condensers where we try to reach the same result with other technologies, namely removing scale and the biofilm a maximum obtain output of the condenser. At a dirty condenser

losses can run up to 30% capacity losses!!!!

The tests with the ultrasonic - devices went surprising good, in the first weeks several dirt pockets with scale were already removed from the cover in the condenser, at the same time also analyses have been done (by the university) on water and those proved very positively, be as the exhibition time of the condenser to ultrasonically multiplied, so much the better the results was.

After 3-4 months we could observe an optimum result, as a result of which we decided to buy 3 devices to place on all our condensers.

Other technologies appeared to function also but much less effective.  
Also the costs linked to these systems made our choice easy.  
Cost/profit analysis did the rest.

Hoping to have been of service,

Pleasant greeting,  
Dirk the Saedelaere  
Head technical service