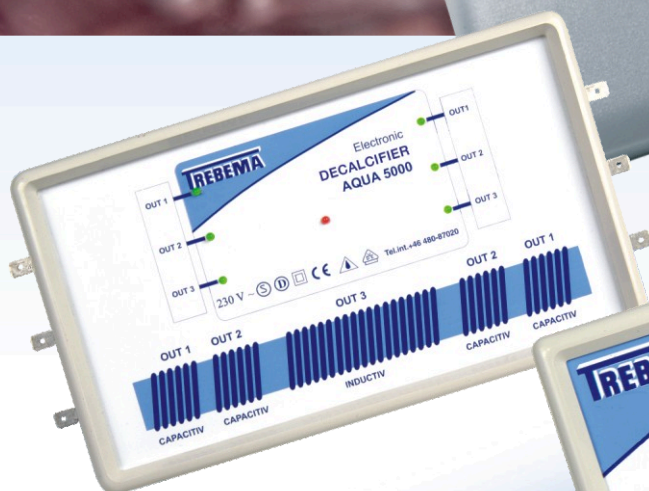


# Aqua 2000 3000 & 5000

## Decalcifier

Simply the best

### Prevents lime problem



NÄR BRA PRODUKTER  
KRÄVER BRA VATTEN  
*Aqua*



**TREBEMA**  
- a family company

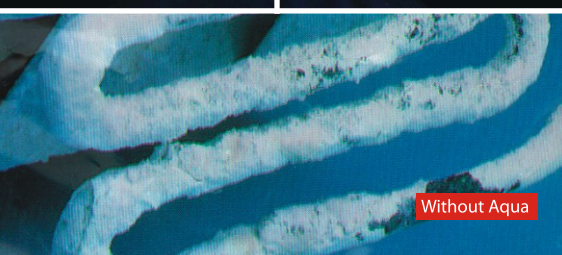
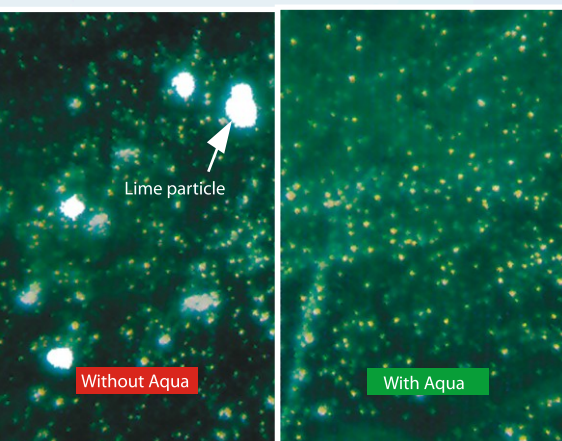


# Aqua 2000

## Decalcifier

Simply the best

Prevents lime problems  
without affecting the water quality



*Lime deposits in pipes and on heating elements in dish washers, washing machines, water heaters and boilers lead to premature ageing of the appliances. Reduced output, increased energy consumption and unnecessary repairs are other consequences. Due to less pressure in the pipes the washers in the taps will need replacing more often.*

### Water always contains lime

Limy water is common everywhere. Spots on the glasses, in the dish washer, on the tiles in the bathroom and on all taps are visible evidence. More serious problems are, however, caused by the invisible deposits in pipes and on internal elements. On the other hand the lime is important for our health, so we want to find a solution where the lime loses its tendency to form harmful deposits but is still there.

### Aqua Decalcifier will prevent the lime deposits

When using the decalcifier, the lime remains suspended in the water and runs out through the drain instead of creating deposits. The method is both effective and environmentally appropriate - no chemical additives are used and the taste and the quality of the water are not affected. Also, the quantity of detergents can be reduced by approx. 25 % due to lower surface tension of the water.

### Aqua Decalcifier also dissolves existing deposits

The time it takes to dissolve existing lime deposits depends on the hardness of the water and the grade of damage. It may take 6-12 months and some deposits may remain up to five years if the water is harder than 15° dh. In heavily contaminated installations the decalcifier may initially cause miscoloured water and loose flakes of lime may give rise to clogging of stainers and nozzles. This demonstrates the effectiveness of the decalcifier.

Examples of pipes and fittings exposed for a long time to limy water.



### NEW!

Aqua Decalcifier is as standard provided with an integrated function control, that automatically makes the first check when starting up. The function is then continuously checked during operation. In case of malfunction the LED's will flash.

# Aqua 3000 & 5000

The decalcifiers for large water flows and high lime content

### Large flows and high demands

The Aqua Decalcifiers for large consumers are available in two sizes:

**Aqua 3000** for plants with a water consumption up to 200 litres per minute, for example apartment houses up to approx. 50 apartments.

**Aqua 5000** for plants with a water consumption up to 800 litres per minute, for example large industries, hotels, restaurants, swimming pools and apartment houses up to approx. 150 apartments.

The Aqua Decalcifier is CE-approved in accordance with EN 60950-1 and fulfills protection class IP 65. The installation is very simple and can be carried out on all normally used materials; polyethylene, CPVC, stainless steel, steel, copper and galvanized pipes.



Can be mounted on copper, polyethylene, stainless steel, CPVC and galvanized pipes.

### Function

The Decalcifier (1) is mounted onto the incoming water main (2) where it generates an electrostatic field between the poles (3). The field pulses between 7000 and 14000 Hz. When the water flows through the field, the existing iron particles are set in motion at high speed, which breaks down the lime (4) preventing it from creating deposits (5). The electrostatic field is always 100 percent effective as it is continuously supplied with the necessary voltage. The energy consumption is negligible.

The Aqua Decalcifier contains no movable parts and is totally maintenance free. It is tested by Assistant Professor docent Allan Jerbo. Test report and references are available on request.

Application Areas: Apartment houses • Hotels • Swimming pools • Industries • Processing Plants • Boiler houses • Restaurants • Heat Exchangers • Holiday cottages • Petrol stations



#### Technical data

Type	Pipe dia. mm	Flow l/min	Power W	Art. no.
Aqua 2000	18-54	50	4	564 2000
Aqua 3000	25-100	200	25	564 2002
Aqua 5000	40-125	833	40	564 2003



#### Warranty

Four years warranty from the date of purchase for material and manufacturing defects.

\* CE approved in accordance with EN 60950-1. Protection class IP 33.

#### References in Sweden

### ■ Beverage production

**Aqua 3000** is used in the bottle washing at Spendrups Brewery to prevent lime deposits in the empty bottles to be filled with lemonade and bear.

**Aqua 5000** is used both on the main pipe and in the process plant at Absolut Company.

### ■ Industry and processing

**Aqua 5000** is used in the process plant at Stora Enso and Aqua 3000 at Alfa Laval Thermals in Lund.

### ■ Apartment houses

**Aqua 2000** has been widely used in small private apartments.

**Aqua 3000** and **Aqua 5000** are used by Sweden's largest house cooperatives, Riksbyggen and HSB, in boiler houses for apartment houses with 30-450 apartments. The housing company AB Klockaren in Broby has chosen Aqua 3000 for all the houses in Knislinge and Hanaskog.

*Also for these customers the choice has been as clear as water:*

Hotell Marienlyst, CTC, Guldågel, Stena Line, Vattenfall, Uppsala Energi, Boliden, SSAB, Tetra Pak, Schmidt & Bretten among others.

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