

Aqua 3000 & 5000

Decalcifier

200-2500 litres/min

Efficient solution of lime problems in larger premises, industrial buildings and process plants



CE

Trebema a family company

Aqua 3000 & 5000 Decalcifier

The decalcifiers for large water flows and high lime content

Calcareous water is common everywhere and causes lime deposits in pipes, heating elements and other water connected equipment. Reduced output and increased energy consumption are other consequences. The service life of installations connected to the water system will also be affected.

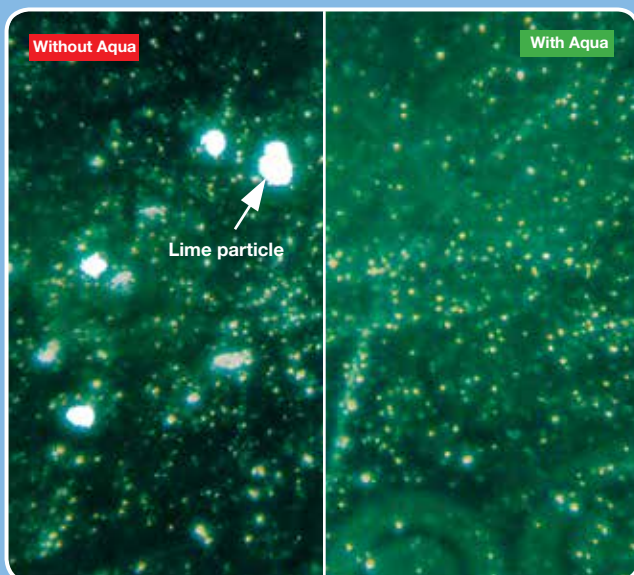
On the other hand the lime is important from a health point of view. Aqua Decalcifier, however, prevents the lime problems without affecting the water quality.

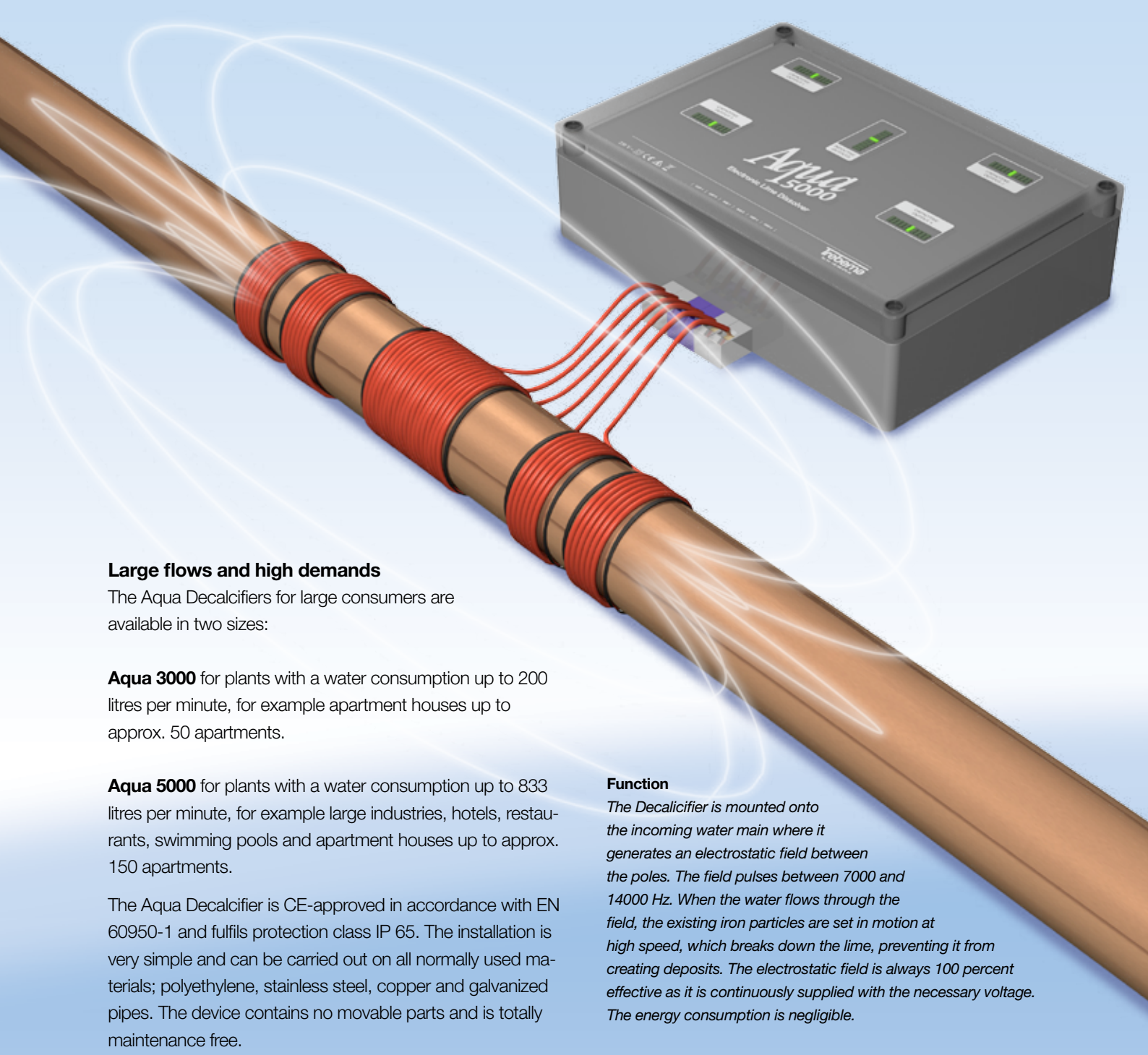
Aqua Decalcifier will prevent the lime deposits

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 in washing machines can be reduced by approx. 25 % due to lower surface tension of the water, which is positive for both environment and operational economy.

Aqua Decalcifier also dissolves existing deposits

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





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 833 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 fulfils protection class IP 65. The installation is very simple and can be carried out on all normally used materials; polyethylene, stainless steel, copper and galvanized pipes. The device contains no movable parts and is totally maintenance free.

Function

The Decalcifier is mounted onto the incoming water main where it generates an electrostatic field between the poles. 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, preventing it from creating deposits. The electrostatic field is always 100 percent effective as it is continuously supplied with the necessary voltage. The energy consumption is negligible.



Pipes and fittings that have been exposed to calcareous water for a long time.



Technical data

Type	Pipe diam. mm	Flow l/min	Power W	Art. no.
Aqua 3000	25-100	200	25	564 2002
Aqua 5000	40-125	833	40	564 2003
2 x Aqua 5000	40-125	1650	80	564 2003
3 x Aqua 5000	40-125	2500	120	564 2003

References

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 beer.

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 3000 and Aqua 5000 are used by Sweden's largest house cooperatives, Riksbbyggen 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, Guldfågeln, Stena Line, Vattenfall, Uppsala Energi, Boliden, SSAB, Tetra Pak, Schmidt & Bretten etc.



Warranty

Four years warranty from the date of purchase. This applies to material and manufacturing defects.

For private houses and other smaller plants Aqua 2000 is a consumer packed version for max. 50 litres/minute, 4 W power and pipe diameter 18-54 mm.

Distributor

- a family company
Trebema

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