

OneFlow[®]

Innovative scale control

Case Study: Miko Koffie Noord





SCOPE

Durable solution against limescale when renting/selling coffee machines.

● PRODUCT

OneFlow® OF110-1
compact version 4L/min

● COMPANY

Miko Koffie Noord

● PROJECT

Permanent limescale prevention at rental/sale of coffee machines

● LOCATION

Gieten, The Netherlands

● PERIOD

Starting from January 2021

Miko Koffie Noord... Your partner for a carefree cup of delicious coffee

Since its founding in 2002, Miko Koffie Noord has been working to provide a great cup of coffee for everyone in the Northern Netherlands. From the city of Gieten they do everything to make your coffee taste great every day. With their own technical department and an active sales team, they can put out a great product, in coffee, in equipment, in tea, tableware and more.

Every day they make every effort to make your coffee breaks as enjoyable as possible. The technical specialists on their service team traverse the entire Northern Netherlands every day, ensuring timely maintenance of your coffee machines and quick resolution of any malfunctions.

Project description

In the Netherlands, there are many regions where the drinking water contains high concentrations of lime, causing problems with limescale in pipes and on appliances. For Miko Koffie Noord, limescale is a real problem when renting out their coffee machines, because limescale inevitably results in regular breakdowns and therefore extra interventions by the service team (sometimes up to 4-5 times a year).

Miko Koffie Noord started looking for the solution to solve the problem with limescale and the associated interventions. Of course, the solution was not to affect the taste and smell of the coffee. Therefore, traditional salt-based water softeners did not appear to be a viable solution.

After a search, they finally arrived at Watts and its innovative scale control system OneFlow®. The compact OneFlow® version with a flow rate of 4 liters/min, suitable for protecting a separate unit, ultimately proved to be the ideal solution. Indeed, OneFlow® does not add salt or chemicals, but thanks to its innovative operation based on TAC media, the water composition, especially hardness and Ph value, remains unchanged.

So for a coffee machine, this is the perfect solution. Miko Koffie Noord tested the OneFlow® system for 1 year and during this period no failures due to limescale were observed, as no limescale was present in their appliances anymore.

OneFlow® is now fitted as standard by Miko Koffie Noord when they rent out a coffee machine, which means an enormous time and cost saving for them: interventions due to limescale problems are no longer necessary, and the coffee retains its unique taste and aroma.



Test set-up

Over an 11-month period, the OneFlow® system was extensively tested in a setup with coffee machines from Miko Koffie Noord. During this comparative test, two identical coffee machines were used side by side in exactly the same way. The result after this test period was extremely positive:

Coffee machine without OneFlow®: a lot of limescale deposits



Coffee machine with OneFlow®: no limescale deposits



Customer experience

In early 2020, Miko Koffie Noord came into contact with Watts after Hendrik Heidstra, technical engineer, learned about Watts' OneFlow® system. After initial contact with Richard Both, Key Account Manager at Watts Benelux, a test setup was soon installed.

After extensive testing of OneFlow® during one year, they were unanimously convinced of the good results. Hendrik Heidstra: "OneFlow® is the golden egg for the coffee machine market." This is because the system offers particularly efficient protection against limescale, and can also be applied to filter coffee machines. Still according to Hendrik Heidstra: "I have not come across any other system on the market that protects a coffee machine so effectively against hard limescale and this without changing the water composition, causing no change at all in smell or taste and in Ph-value." Finally, the extensive testing led Hendrik to this conclusion: "OneFlow® from Watts is the ultimate solution against limescale for the entire coffee market."



How OneFlow® Benefits Your Property

OneFlow® is the best alternative to traditional water softeners. It consists of an efficient and innovative technology with enhanced respect of the environment to prevent hard scale build-up. The system provides benefits from private homes to hotels, restaurants, sports clubs and beyond.



No salt or additional chemicals required

Nothing is added to the water.



Without electricity

OneFlow® works autonomously. No electrical socket is required.



No waste water

No backwashing like a traditional water softener, which also means no unnecessary water consumption.



Innovative technology with enhanced respect of the environment

No water wasted, and no electricity or salt required.



Compact and simple installation

OneFlow® is a compact device that - depending on the model - can be installed by mounting to wall or floor.



Safe for pipes and appliances

OneFlow® system is efficient in reversing the existing scale in the pipes and appliances overtime.



Minimal maintenance

No maintenance contract. Depending on the model, the cartridge or media must be replaced every one to three years.



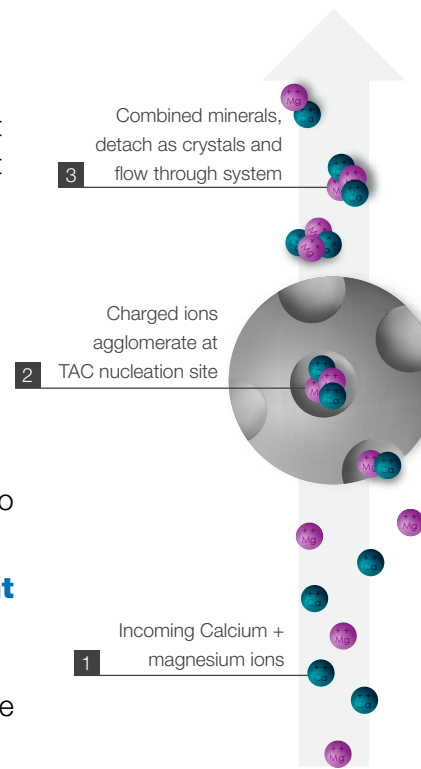
Energy-saving

No unnecessary water consumption and less scale build-up improves efficiency of all water using appliances.



Conserved water quality

All vital minerals like calcium and magnesium remain in the water.



About Watts

Watts Watts is an American multinational and one of the world's biggest manufacturers of plumbing and heating products and components. Established in 1874, the business is based in North Andover (USA) and listed on the New York Stock Exchange. In Benelux, Watts has a headquarters with sales office, distribution and cutting center in Wingene (BE), and a sales office in Eerbeek (NL). Production of the extensive range of Watts products takes place in several European production centers. Thanks to its know-how, reliability, professional ethics and attention to health, safety and the environment, Watts contributes to technological research in the sector with a constant focus on energy saving, safety, and the quality of life.

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