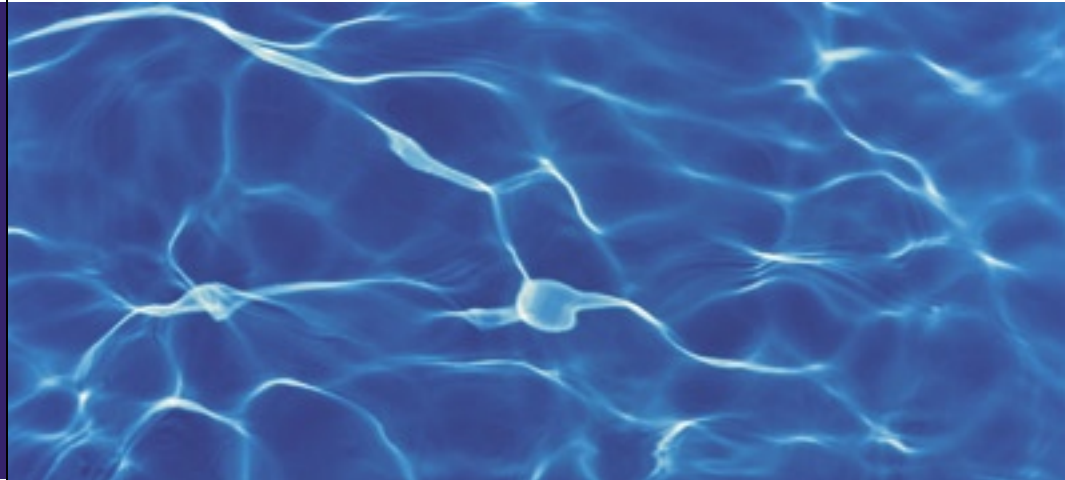


water softeners

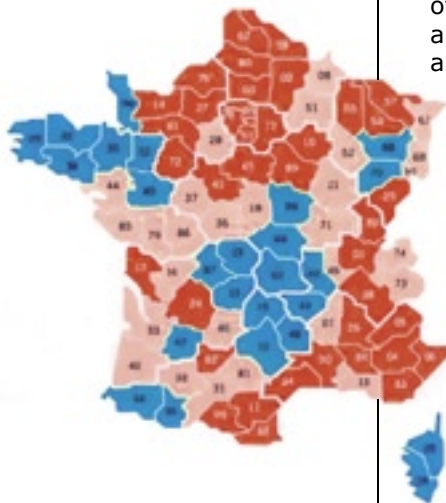


What is hard water?

Tap water in most regions of France contains a lot of calcium and magnesium. This creates, amongst other things, a lime deposit on the heating elements of your household appliances. **But there are other more insidious disadvantages...**

- damage to your hot water tank or boiler.
- blocked pipe work, taps or douche heads.
- leaves a white chalky lime deposit on tiling, shower units and taps.
- tea and coffee is cloudy with less taste.
- gives a dry skin after showering.
- clothes and towels are stiff after a wash.
- extra washing powder is needed (up to 50% more!)

Not everywhere has the same amount of calcium. The more calcium and magnesium that is found in water sources, the harder the water. The hardness of the water is measured in degrees (°dH or °F) and differs depending on the area. Are you curious as to how hard your tap water is? We are happy to come and measure your water for you.



- 0°F - 15°F soft water
- 15°F - 25°F hard water: **we suggest a water softener**
- more than 25°F = very hard water: **we strongly advise a water softener**

The average departmental measurements can change from village to village.



The inside of your water tank and pipe work can look like this after only a few years...

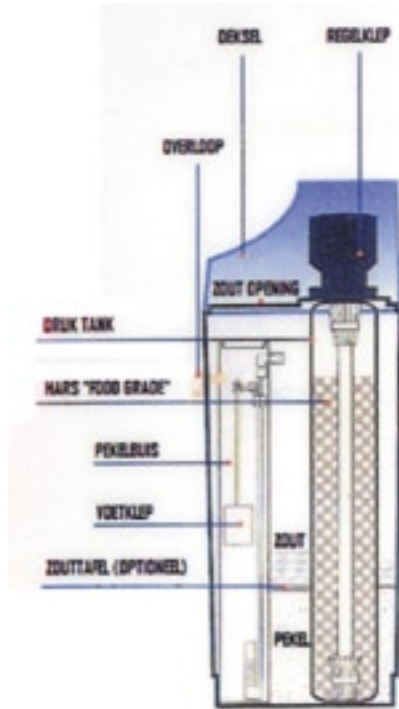


Why soft water?

A water softener is the ideal solution. The water softener removes the minerals from your water that leave the damaging lime scaling. This, in turn **protects** your appliances, so they **last longer** and are more economical. But you'll enjoy even more **advantages...**

- a softer skin.
- shiny, silky hair.
- your tea and coffee, and also ice-cubes, will taste better.
- shiny, clean dishes
- you save on housework time
- no more lime deposits
- your washing is whiter, colours are stronger, and lasts longer.
- a real saving on repairs and renewal of household appliances.
- less chemicals in the environment.

How does a water softener work?



A water softener is connected to the incoming water supply. The appliance contains **resins** in the form of millions of tiny round grains in a resin container. Because the resin is charged with a negative energy, the lime deposits that are a positive energy are removed from the water by being absorbed into the resin.

Hard water flows through the resin filter bed, and the calcium and magnesium are removed. This is what creates soft water.

The resins become saturated with minerals, and lose their ability to soften the water, but instead of replacing them, an added **salt solution** regenerates them. This is supplied for your water softener, and added in the specially provided salt container. This salt solution flows over the resin filter bed, cleaning the resin grains of the absorbed calcium, magnesium, iron and manganese. After soaking for 15 minutes, the salt solution is pumped into the drainage system.

After the salt solution regeneration process, the resin grains are rinsed, and the appliance is in optimal condition to produce your soft water again. This whole **cleansing process** is fully automatic! several times. The last rinsing ensures that all traces of salt and minerals are completely removed

There is also the possibility of installing a simple **by-pass** system to fill your pool or water the garden with normal tap water.

If you wish to **mix** your water to a specific hardness, for instance 3°dH, this can easily be programmed into the softener.

Choose the easy solution by taking our **salt-subscription** offer. We combine giving your water softener a yearly maintenance inspection, with the delivery of 6 x 25 kg of salt for an attractive price.

Which is the best water softener?

There are different water softeners available, from simple analogical machines, to volume controlled digital machines. For each household, family situation and degree of hard water, there is a choice of solutions.

make water softner	consumption of water per year	measurements	capacity in liters for regeneration
FLECK GW-10	40 - 200 m ³	W316 x D559 x H673	3000 liter / 200 ppm total hardness
FLECK GW-15	50 - 350 m ³	W316 x D559 x H1127	4500 liter / 200 ppm total hardness
FLECK GW-30	100 - 850 m ³	W316 x D559 x H1127	9000 liter / 200 ppm total hardness



Do you want to know more about water softeners and how they fit into your personal situation?

Contact us at:
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tel. 05 53 41 38 31

Or look at www.vanbruggen.fr for more information about our offer.