

# **THE SWEDISH WATER**

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## **THE SWEDISH WATER**

Most Swedish citizens do believe that they have the best and safest drinking water in the world. This is probably to a degree partly true.

However pure and safe drinking water is no longer a matter of course any more

According to the Swedish authority "smittskyddsinstitutet" every Swedish citizen has to be prepared to become poisoned by water 1,5 times every year. 50 % of all food infections in stomach are considered to be caused by drinking water.

The water supply net in Sweden has a length of 67000 km and anyone can imagine the difficulties to keep them in good shape.

A major part of the pure water produced by the water-works leak out from the pipes before it arrives to the consumer. This course that sewage water and other un-healthy waters can leak in to the drinking water, normally very small quantities but at pressure loss an extensive pollution takes place.

To protect the consumers from bacteria that can come through the leaking pipes the water works (not only in Sweden) mix Chlorine to the water.

When chlorine breaks down bacteria, trihalomethanes, such as chloroform, trichloroethylene, bromoform, dibromochloromethane, and bromodichloromethane are formed.

It has long been known that trihalomethanes can cause cancer, and that they may cause miscarriage and birth defects. The authorities have however until today considered the risks to be too small. On the other hand what alternatives have the water works?

### **Also well water quality deteriorate**

A big part of the citizens of the world has no municipal tap water. Instead they have to use surface water or well water. (Only in Sweden there are more than one million private wells.

Surface water is always unsuitable as drinking water. Millions of people around the globe die every year due to infected surface waters.

Even in Sweden known for its high standard of environment the surface water quality is not to be relied on. In rainwater samples from the north of Sweden scientists have found concentrations of herbicide 2400 times higher than the EU limits for drinking water. Well water is normally of more safe quality, it has been filtered through sand, clay and earth. However industry and agriculture use and pollution has deteriorated the well water quality generally spoken over the whole world.

Due to this more and more people are buying bottled water. At a price thousand times more expensive than tap water. It is also heavy to carry several liters home every day.

## **Possible Measures to be taken by the “consumer”**

There are a range of possible methods that the consumer can use to get better water and which is less expensive compared with buying bottled water.

- Filters with a fine mesh – doesn't give a hundred percent protection against bacteria and virus and does not stop volatile substances like chlorine and hydrocarbons.
- Filter with activated carbon – no 100 % protection against bacteria and virus. Difficult to control when the filter needs to be change.
- Distillation and reverse osmosis – not fully effective regarding the chlorine and hydrocarbons. Has to be in combination with filters that has to be changed frequently.
- Kettles of different types – effective against the bacteria if the boiling point is controlled, some modern type has the feature of purifying the chlorine and the hydrocarbons

None of the above water purification methods are complete or to satisfaction. The problem differs from bad smell and taste to potential health problems.

## **A superior water purifier**

The MIMURA™ purifies the water from all impurities. It renders harmless bacteria, virus and other pathogen microorganism. It also remove all types of volatile substances i.e. chlorine, trihalomethanes, radon, methane, hydrogen sulphur and other hazardous and bad smelling gases. Heavy metals, pesticides and radioactive substances. All minerals and ions are transferred from inorganic to organic.

The MIMURA™ is easy, cost effective, needs no filter changes or other maintenance. Once it is installed it works without any maintenance or repairs. With MIMURA™ you get pure water for drinking cold or hot, for cooking and for preparing your food without any further processing.

It has no need for electricity and is therefore the running costs are equal to zero. It also reduces the hardness of your water to a degree of 50 %. No more problems with lime scale in your normal kettle and no need for kettles with filters. In other words you can use the cheapest kettle on the market just to heat the water for your tea or coffee.