

Water treatment



There are many providers for water treatment on the market. Katadyn filter systems are most probably best known. However, I decided for another (although very similar) system of General Ecology, an American producer. Overall, my drinking water is treated and disinfected in 3 steps. As there are many different ways how water can be contaminated this approach made sense to me and is also somewhat more flexible compared to other systems. Bad water can cause serious health problems quite rapidly.

First level: Chemical preservation / disinfection

Micropur Classic Main purpose is to preserve pure drinking water through silver iodide up to 6 months. Residence time for full protection is roughly 2 hours.

Micropur Forte disinfests and preserves drinking water through chlorine. Residence time for full effectiveness is roughly 30 minutes.



Second level: Disinfection through active carbon filter

The Aquapolish 5 carbon filter repurifies the water in a second step.

Third level: Disinfection through ceramic filter

The Seagull IV ceramic filter cleans the water in a third step through a 'structured matrix' that combines various filter systems.



Further details (dealer/price) as well as spare filters are available under: <http://www.seagull-wasserfilter.de/>.



But the whole thing does not work without a powerful water pump with adequate capacity. After evaluation of various devices, I decided for the **SHURflo 2088/12V**. The pressure build-up is sufficient and the 630l flow rate/hour is adequate. In addition, I also added an intake filter to hold back potential dirt before the filters. However, I passed on the expansion bin that is available as an option. Using a water tap with incorporated electrical switch, it is not necessary and can only lead to troubles (blocked, leaky). Due to the highly professional counselling, I bought the pump and the option at „IWS Solar“ (<http://www.iwsolar.ch>).
