



## SuMeWa|COMPLETE

### Description

SuMeWa|COMPLETE is a fully solar driven system for decentralized drinking water treatment and distribution. No batteries are required to run the system.

SuMeWa|COMPLETE adapts automatically to a broad range of raw water qualities and disinfects the water without the addition of chemicals. Due to the residual disinfectant, produced by means of anodic oxidation, the water is protected from recontamination and complies with given legislative frameworks. With SuMeWa|COMPLETE the water can safely be distributed via decentralized water supply infrastructures. A data transfer unit allows remote control of the system simplifying operation and maintenance substantially.

### The advantages at a glance

- Renewable energy supply with solar PV – Technology
- Pumping from depths up to 70 m
- Filtration of contaminated water
- Continuous adaption to fluctuating raw water conditions

- Flow rate up to 400 L/h
- Safe disinfection of drinking water
- Compliance with residual disinfection regulation
- Monitoring and adjusting water quality in storage tank
- Data recording and transmission
- Dry-run protection, tank level control and flow rate control
- Very low need for maintenance

### Scope of supply

- SuMeWa|SYSTEM control unit (1)
- Electrolytic cell (2)
- Water quality sensor (3)
- Pumping station (4)
- Flow rate sensor (5)
- Filtration unit (6)
- PV – Power supply (7)
- Data recording and transfer unit (8)

### Extendable with

- SuMeWa|Mineral
- SuMeWa|Battery

### Technical Data

Maximum flow rate (with/without batteries)	400 L/h (9.6 / 2.8 m <sup>3</sup> /d)
Chlorine concentration	0.3 – 3 mg/L
Required power supply	120 W
Maximum pumping head	70 m

All values depend on source water quality and given regulation

### About AUTARCON

We stand for safe drinking water. As specialists in decentralized drinking water supply our expertise ranges from basic drinking water disinfection to complete solar driven drinking water treatment. The foundation for that is the specially developed SuMeWa|SYSTEM. With the four expansion stages **BASIC, SAFE, ADVANCED** and **COMPLETE** we offer a product portfolio that allows individual response to the demands of our customers.

### Anodic oxidation

Based on an electrolytic process, the required disinfectant chlorine is produced from minerals that are commonly present in the source water. AUTARCON has optimized this process for its utilization in drinking water treatment and supply. It works highly efficient to allow very low mineral concentrations in the source water. At any given time only the minimum required amount of disinfectant is produced.

distributed by

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