

SolAqua

Solar powered drinking water solution

HVR's SolAqua is a solar driven drinking water solution that can purify different feed water streams ranging from well and river water to salty sea water. This self-standing system comprises the water purification modules and the energy generation units.

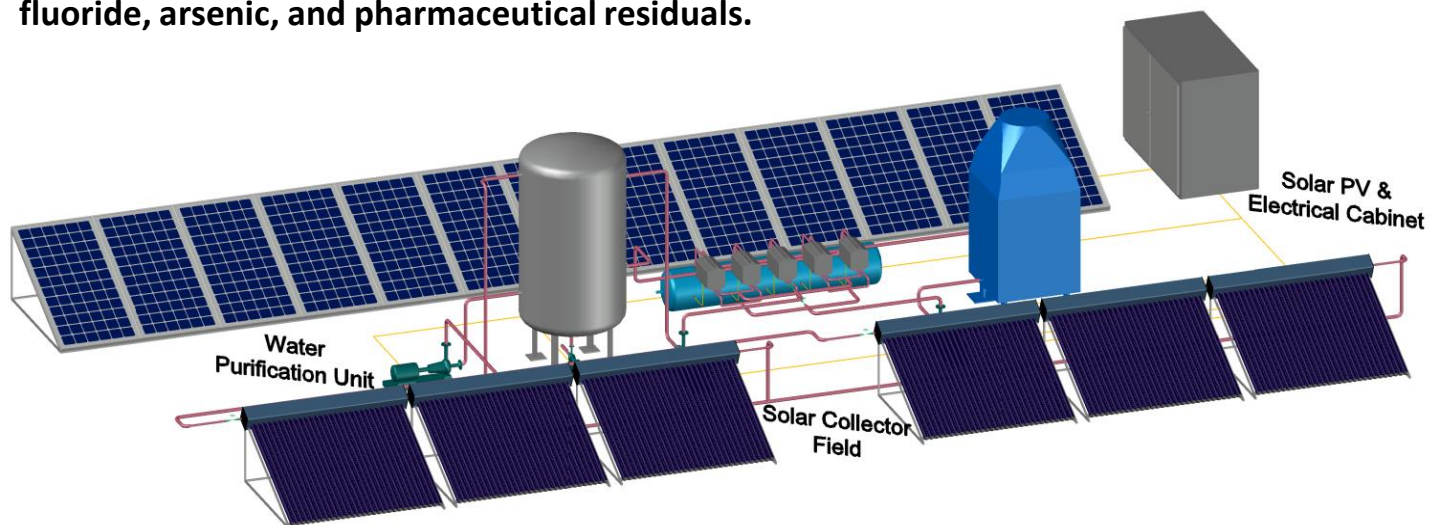
1000

Liters per day

99.9%

Purification Efficiency

Removes all non-volatile pollutants including heavy metals, nano particles, plastics, fluoride, arsenic, and pharmaceutical residuals.



SolAqua

Solar powered drinking water solution

SYSTEM SPECIFICATIONS

0.053 kWh/L
Solar PV Energy



0.77 kWh/L
Solar Thermal Energy



No grid connection or other
fuel needed



HVR's water purification technology
is based on low temperature
evaporation followed by
hydrophobic membrane filtration

Drinking Water Quality Results

Contaminants	Amount in Feed water	Detection Limit	Test by	Result
Bacteria	14000 (after 7 days)	-	National Bacteriologic Laboratory, Stockholm	BDL
Chlorine	3.4 mg/l	<0.01 mg/l	Water Protection Association of Southwest, Finland	BDL
Salt Water	31000 ppm	<1 ppm	VBB Viak, Stockholm	BDL
Trihalomethanes	1000 µg/l	<1 µg/l	University of Turku, Finland	BDL
Radon	380 Bq/l	4 Bq/l	Swedish Radiation Protection Institute	BDL
Cesium, Strontium, Plutonium, Radium	2.4 Bq	<0.1 Bq	Radiation Physics Department, University of Lund	BDL
Arsenic +3	10 mg/l	<0.003 mg/l	Analytica AB, Stockholm	BDL
Arsenic +5	10 mg/l	<0.003 mg/l	Analytica AB, Stockholm	BDL
Ag nanoparticles	3100 µg/l	<2 µg/l	IVL Swedish Environmental Research Institute	BDL
SiO2	10000 µg/l	<5 µg/l	Vattenfall AB, Stockholm	BDL
Sertraline & 20 other pharmaceutical residuals	4 ng/l	<0.8 ng/l	IVL Swedish Environmental Research Institute	BDL

*BDL = Below Detection Limit

Essential minerals are added after purification to give the taste and nutritional value of a drinking water.



HVR Water Purification AB
Vasagatan 7
111 20 Stockholm

Tel: +46 8 667- 8660
email: info@hvr.se
www.hvr.se