

AQUALOOP Drinking water from rainwater



Project:	Weekend house in the Black Forest
Country:	Germany
Building owner:	Fam. Seeholzer
Application:	Treatment of rainwater to drinking water
Products:	AQUALOOP membrane station
Construction Date:	September 2016
Construction company:	

Design

Useful volume, concrete tank:	6.000 litres
Connected roof area:	90 m ²
Other:	

Note

Compliance with and inspection of the water quality as well as the maintenance of the installation is subject to the responsibility of the operator and is intended only for his own consumption.

Description

from the builder

We were faced with the problem that a water connection and no source for house water supply was available for a weekend house in the middle of the Black Forest.

The house is located in a forest at an altitude of approx. 650 m asl. A cistern for rainwater with a capacity of 6,000 litres was installed next to the house and we were looking for a way to use the rainwater for the water supply. This can only be realised with help from water treatment. Through research on the Internet we came across the company INTEWA, with whom we contacted. Mr. Nico Hafran reworked the information provided by us and presented us with an offer for an "AQUALOOP system for water treatment".

Several telephone conversations about the functioning of the system and the space requirements in a basement, we agreed and ordered the offered system. As the basement was erected, the delivered system was installed and the necessary supply lines laid. In case of assembly problems, we could always rely on telephone help with Mr. Nico Hafran. The system was put into operation in July 2016 and has been functioning like clockwork since then, converting rainwater into impeccable drinking water. In the meantime, the hot water storage was put into operation, the shower, a sink and a toilet were finished and supplied with this water.

Construction



System built in the basement, the left tank is filled by a submersible pump in the cistern.

In the right-hand tank, the treated water is collected and stored and the pipework is fed by means of a wall-mounted pressure pump.



The functions are monitored by the INTEWA AQUALOOP control unit and controlled by the built-in float switches. A separate pump unit is also connected to the rainwater tank, which supplies the garden hose.



So wird aus dem Regenwasser in der Zisterne einwandfreies Trinkwasser, das aus den Armaturen sprudelt.



Auch Dusche und WC werden zwischenzeitlich mit dem Wasser versorgt, für einen Waschtisch sind die Anschlüsse vorbereitet.

Somit ist die Versorgung mit Trinkwasser durch die Aufbereitung des Regenwassers gewährleistet, dank der INTEWA Aqualoop Anlage.