

## Milestone for the water supply



**Non-potable water volume of  
2,700 m<sup>3</sup>**

### **Projekt-Steckbrief**

- Chapf reservoir with a non-potable water volume of 2,700 m<sup>3</sup> and an additional 300 m<sup>3</sup> fire-fighting water reserve

### **Drinking water from the groundwater flow of the Aare and Reuss rivers**

Windisch is located in the district of Brugg, in the Aargau Canton in Switzerland. In the estuary of the Aare and Reuss rivers, it draws drinking water from the groundwater flow between the two rivers.

The new Chapf reservoir built in 2011 replaced the original reservoir of 1898. The population of Windisch had agreed to construction of the new reservoir in 2008. The new reservoir with a non-potable water volume of 2,700 cubic metres and a fire-fighting reserve of 300 cubic metres replaces the previous plant with 1,900 cubic metres capacity. A large number of ERHARD valves were installed in the new plant.



*During the construction work on the Chapf reservoir, the 112 year old tower of the valve chamber was also renovated. The tower was crenelated and was placed under a building protection order due to its remarkable function, unique in the region, and its geographical location.*

### **State of the art engineering coupled with historical appearance**

The planning & design and construction of the new Chapf reservoir took into account a large number of aspects, so that the water supply for Windisch is secured for many years to come. For example, new large structures and a reliable fire-fighting water reserve were included. The two reservoir chambers together have a total capacity of 3,000 cubic metres for non-potable and fire-fighting water.

The new staged pumping station was completely equipped with ERHARD valves, in cooperation with TMH Hagenbucher AG from Zürich. ERHARD supplied non-return nozzle valves, gate-type shut-off valves and butterfly valves with nominal diameters DN150-200 - which conform to the latest state of the art standards and quality.

*The comprehensive ERHARD product range made it possible to provide all the valves from a single source.*

#### *Major Products:*

- *Butterfly Valves (DN150 - 300)*
- *Non Slam Nozzle Check Valves (DN150 - 200)*
- *Gate Valves (DN150)*



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