



## KAULSDORF WATERWORKS

*The Kaulsdorf waterworks operates in cooperation with the Friedrichshagen waterworks.*

### CHRONICLE

**1916**

Commissioning of the Kaulsdorf waterworks

**1925**

Expansion of the treatment and pumping plants

**1933**

Installation of additional manganese removal filters

**1997**

Modernisation of the water winning and pumping plants

**1999**

Modernisation of the water treatment plants

### TECHNICAL DATA

**Max. capacity:**

30,000 m<sup>3</sup>/day

**Water winning:**

16 vertical wells, 45 and 60 m deep with underwater motor pumps, delivery of the pumps 120 m<sup>3</sup> per hour with a delivery head of 8.0 bar.

**Water treatment:**

The water is aerated with liquid oxygen that is injected into the raw water line by mixing pumps and with twelve closed high-speed filters with a filtration rate of eight to twelve metres per hour. Total filter surface area 122 m<sup>2</sup>.

**Water delivery:**

The underwater motor pumps pump the water from the wells through the closed treatment plant directly into the supply network. Part of the drinking water is pumped to an intermediate pumping station.