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Water reservoir Talstraße renovated



Air filter plant L 361



Stainless steel window in elevated reservoir

Wasserversorgung Wallenhorst GmbH (water supply facility) delivers a total of 1.4 million m³ drinking water per year to the municipality of Wallenhorst and the district Osnabrück-Pye. Wallenhorst GmbH was founded in 1989 when the waterworks Wallenhorst and water supply authority Pye-Hollage merged. Since April 1999 the partners Wallenhorst GmbH has consisted of are the municipality of Wallenhorst and Stadtwerke Osnabrück AG. Three elevated reservoirs and a 170 km long pipeline network ensure the supply for the 26,000 residents.

To guarantee also in the future perfect drinking water quality the elevated reservoir Talstraße has been equipped with an air filter plant, security door and stainless steel window. Aeration and deaeration is achieved by means of a three-stage ventilation plant charged on both sides with natural air exchange. Filter pollution is controlled by a contact manometer. In case the permissible pressure difference is exceeded, this is reported by an acoustic/optical signal. Ambient air is sucked in and displaced air blown out through a security louvre. For safety reasons, the anchorage of the outside louvre is accessible only from the inside of the building.

The security door, certified to resistance class WK3, is used as access door in the building as recommended by the criminal investigation department. In addition, the building is equipped with an alarm system.

The stainless steel windows supplied are swivel-type windows made from two-sheet special 1.4401 (V4A) stainless steel profile with intermediate special plastic core to prevent thermal conduction. A glazing with insulated stainless steel plates was installed to avoid the incidence of light into the water chambers.

All built-in stainless steel parts were shielded arc-welded, acid-treated in a pickling bath and passivated to guarantee the well-proven HUBER product quality. The work to be executed was carried out by HUBER service staff. I would like to take this opportunity to thank Mr. Wellmann and Mr. Wächter for their cooperation.

by Wolf-Dietrich Gräper, Field representative West Germany

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