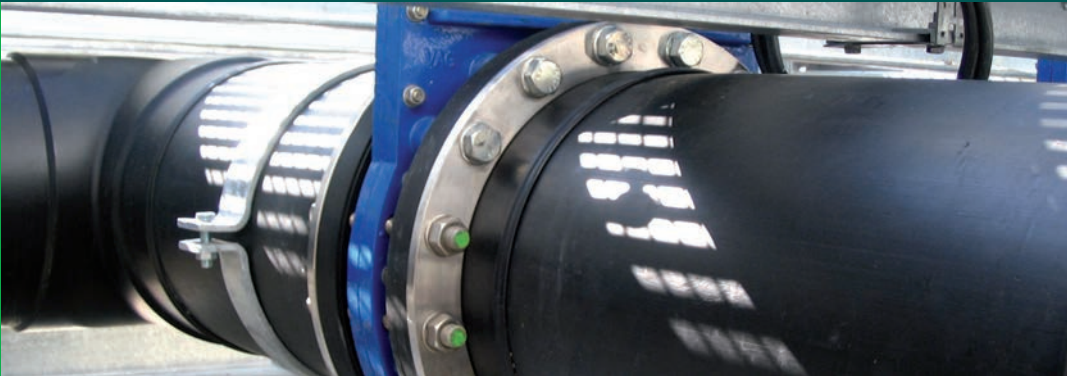


# Valves in pumping station at Chemische Fabrik Budenheim KG, Germany

VAG valves particularly suitable  
for process cycle water

15 VAG On-Site

2/09



Chemische Fabrik Budenheim KG (CFB) was founded in 1908 and established itself in Budenheim near Mainz. The company specialised in the production of phosphates as early as the 1920s. Whether for foodstuffs, pharmaceutical products or technical applications, phosphates made in Budenheim are used in almost every industry. The medium-sized company has achieved worldwide renown with its phosphates. Today, 650 employees produce almost 1,000 different products that are distributed to more than 100 countries.

## Project overview

Project:	Construction of a new underground pumping station
Valves:	36 VAG ZETA® Knife Gate Valves DN 100 to DN 600, most automated with Auma electric actuators and Aumatic controls 2 VAG SKR Slanted Seat Tilting Disk Check Valves DN 300 with damping unit 1 VAG EKN® Butterfly Valve DN 1000 with Auma electric actuator



Project  
duration: March 2007

Customer: Chemische Fabrik Budenheim KG, Germany

# Valves in pumping station at Chemische Fabrik Budenheim KG



15  
VAG On-Site

Chemische Fabrik Budenheim KG is committed to protecting the environment. The company is particularly diligent in the way it disposes of its wastewater.

The cooling water consists of equal parts of river and well water and is discharged into the Rhine through three separate cooling water channels. In the event of irregularities, cooling water from each of the cooling water channels can be pumped separately into a collection tank.

Surface water is channelled separately through collection basins into two tanks, each with a holding capacity of 500m<sup>3</sup>. After it's been analysed and passed through the plant's own pretreatment unit, the water is drained into the Rhine or the public wastewater treatment plant. This requires a reliable system that is easy to regulate.

As the production volume increased, so did the requirements for the safe and user-friendly disposal of surface and cooling water.

In 2006, The CFB laid the foundation for a new underground pumping station.

In addition to the two VAG SKR Slanted Seat Tilting Disk Check Valve and the VAG EKN Butterfly Valve, an order was placed for 36 VAG ZETA Knife Gate Valves.

The company discussed the configuration of the valves with VAG's wastewater specialists. Following a careful analysis of the wastewater, and in light of its corrosiveness and abrasiveness, it was decided to use stainless steel 1.4571 (V4A) doors and an additional high-grade Epoxy coating of all cast iron parts.



„In addition to the excellent advice we received from VAG, we absolutely wanted to buy products made in Germany,“ emphasizes Manfred Schneider, plant engineer in Budenheim. „During the acceptance of the large VAG EKN Butterfly Valve in Mannheim, which is virtually around the corner, we got a good picture of VAG's organization and were able to see that our valves were on schedule.“

At the end of October 2006, 39 valves equipped with Auma electric actuators and controls arrived in Budenheim. The supply system's actuators and controls were assembled and installed by a plant manufacturer. The unit was put into operation in March 2007 and has been running without problems ever since.

„We're pleased that this project went so well. Our plan worked,“ Mr Schneider explains. „The valves' user friendliness and process-driven remote control have clearly boosted our efficiency.“