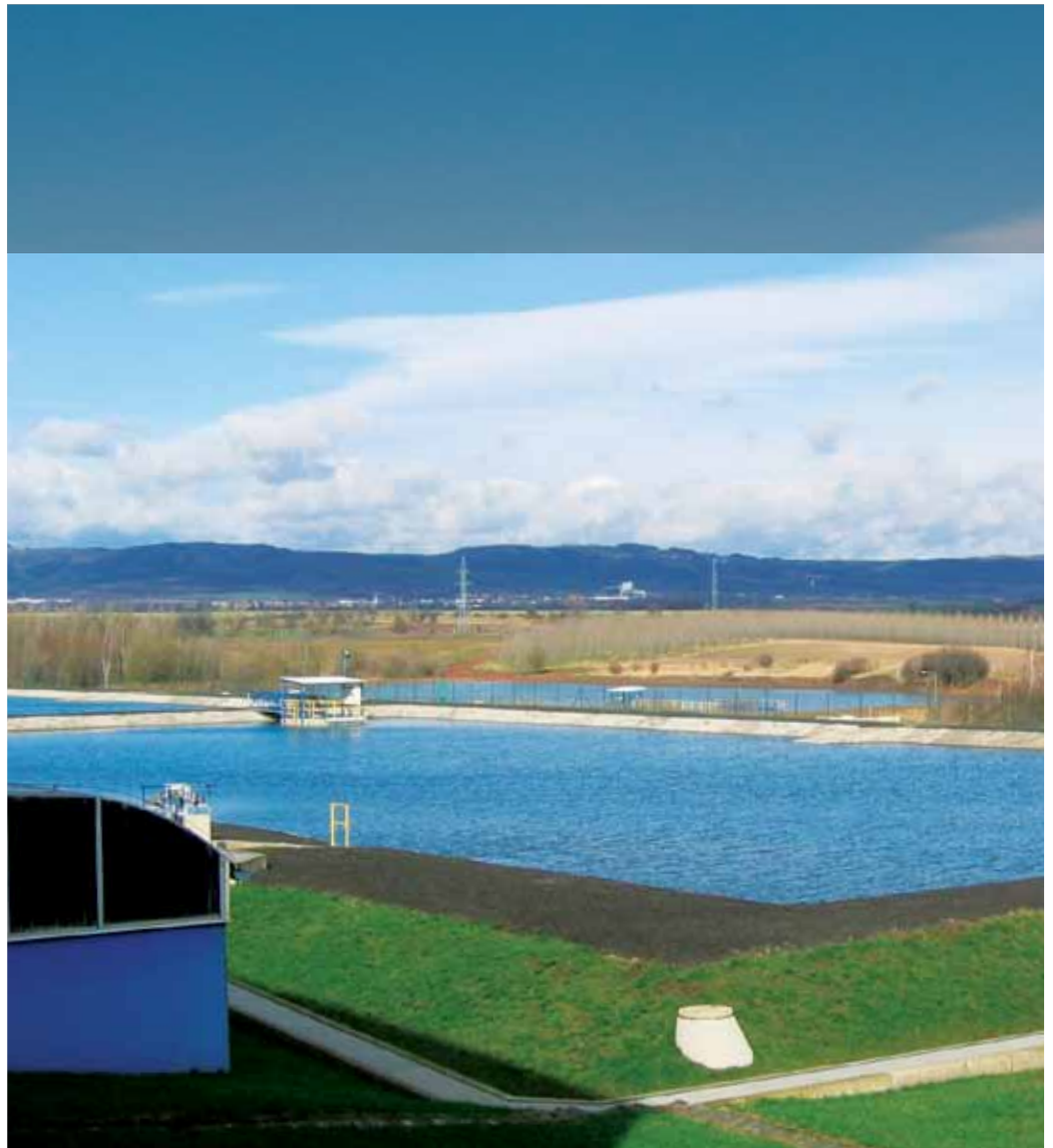




VAG Valves in Water Treatment





VAG Valves in Water Treatment

The term 'water treatment' comprises physical, chemical and biological procedures depending on the substances contained in the raw water. In drinking water treatment plants, sea-water desalination plants or pumping stations, valves control pressure and flow, shut off the flow of water in a targeted manner and protect pumps and pipelines. While for consumers clean water is a matter of course, we know about the complexity of these processes and the requirements for the quality of drinking water.

The VAG ZETA® Knife Gate Valve, for example, can score points in desilting systems due to its wide seal with extremely accurate closing behaviour. Because its knife runs entirely within a rubber lip on the sides its surface remains undamaged. VAG EROX® Penstocks are extremely easy to operate and maintain. In filter systems, VAG RIKO® Plunger Valves control the flow with absolute reliability. They have been able to manage 450,000 closing cycles with no impact on function.



You as a decision-maker determine the quality requirements today for a plant that is profitable on a sustainable basis. Experience has shown that quality pays off. This is why our valves have a service life of many decades. VAG is the leading solution provider worldwide for water treatment with a product range that covers virtually any application and worldwide service. No matter what your requirements are – we will be able to meet them and to complete even major projects within a short period of time.

Benefit from our experience in water treatment. We will provide expert advice on materials, design and actuators. At VAG you can find innovative and proven solutions whose details meet the needs of real-life use.

For sea-water desalination plants we supply valves in which all parts coming into contact with water are either rubber coated or made entirely of stainless steel.

Special materials and coatings that meet the most stringent of standards make our valves suitable for use with drinking water and resistant to brackish water, sea water and other water compositions. With check valves designed for pressures of up to 100 PN, we help you to overcome great differences in altitude, thus reducing the number of pumping stations required. Ask us for more examples and references.



VAG EKO[®]plus Gate Valve

Its premium-quality materials make it corrosion-resistant and maintenance-free. Its plastic sliding caps on the wedge ensure its low torque. Further advantages include its triple O-ring seal and its suitability for operation under vacuum (up to 90%).

Types:

- With handwheel
- Prepared for electric actuator
- With electric actuator

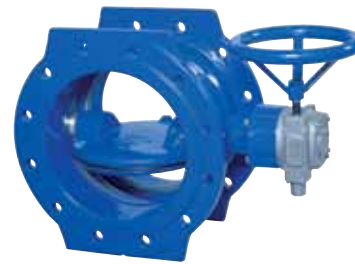


VAG CEREX[®] 300 Butterfly Valve

This compact shut-off valve is suitable for use in various process lines. Available in lugged wafer-type and end-of-line versions it can be quickly and easily used in many different ways.

Types:

- Due to the custom materials for the profiled seal, shaft and disk it is suitable for use in gas, water and wastewater applications



VAG EKN[®] Butterfly Valve

Reliability, quality and durability have made it an integral part of long-distance pipelines and water supply plants as well as in industrial and municipal water supply networks.

Types:

- For operating temperatures of up to 200 °C
- With rubber lining for maximum corrosion protection
- As safety valve with UVV interlock (accident prevention regulations)

VAG Valves and actuators in water treatment applications



VAG DUOJET[®] Automatic Air Valve

Its compact two-chamber design with three functions: aerating, venting and venting under operation. Corrosion-resistant materials and a premium quality powder coating ensure functional reliability in plants over many years.

Types:

- With integrated shut-off valve for inspection purposes
- For special applications also available as welded type with body made completely of stainless steel



VAG SKR Slanted Seat Tilting Disk Check Valve

In the event of quick flow reversal in plants, this valve prevents excessive water hammer and the destruction of pipelines and foundations. Due to the slanted seat, shorter travel times and thus shorter closing times are achieved.

Types:

- With internal damping unit for slam-free closing
- With rubber lining for maximum corrosion protection
- Welded or forged model



VAG RETO-STOP Non-Return Valve

This is a reliable non-return valve with a fully flanged design. The fast and easy disassembly of the body cover and the disk make it particularly easy to maintain. It automatically opens and closes by the pressure of the medium conveyed (resilient-seated).

Types:

- With lifting device G ¾“ (can also be retrofitted)
- With bypass valve

VAG EKO[®]plus Gate Valve,
VAG CEREX[®] 300 Butterfly Valve,
VAG EKN[®] Butterfly Valve,
VAG DUOJET[®]
Automatic Air Valve,
VAG SKR Slanted Seat
Tilting Disk Check Valve,
VAG RETO-STOP
Non-Return Valve



Reference projects

Water treatment plant in Brézno, Czech Republic

VAG MONO Knife Gate Valve,
VAG EROX® Penstock,
VAG ERI® Penstock,
VAG RETO-STOP Non-Return Valve



Kleine Kinzig
Water Reservoir Dam, Germany

80 VAG CEREX® 300 Butterfly Valves,
4 VAG EKN® Butterfly Valves,
9 VAG RIKO® Plunger Valves,
11 VAG DUOJET®
Automatic Air Valves



Drinking water treatment plant
in Luisenthal, Germany

VAG CEREX® 300 Butterfly Valves,
VAG BETA® 200 Gate Valves



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