VAG Valves in Industrial Plants

VAG Valves in Industrial Plants

Industry is the second largest consumer of water world-wide. In many industrialised countries, the demand of water of industrial enterprises accounts for up to 80%. Efficient water supply and treatment is not only needed by the chemical, steel, surface-mining or paper industries for their production processes. Virtually any industrial operation needs cost-efficient and customised solutions for drinking water, cooling water, fire-fighting systems and waste-water treatment. Here, valves made by VAG play a key role.

VAG is a provider of solutions. We see ourselves as a partner to the industry as well as to planners and companies in the infrastructure and media-supply industries.
Our offers, processes, documentation and delivery times are adapted to typical requirements of the industry. We have virtually all country and industry-specific certifications and approvals at our disposal, and we have the expertise and manpower that enable us to perform maintenance work during downtimes according to your schedule.

As check valves they protect pumps and water pipeline systems. In cooling water systems, butterfly valves in isolation applications do their job. VAG hydrants and venting systems ensure the efficient and reliable supply of water for fire fighting. In waste-water treatment plants, mainly penstocks and sluice gate valves can be found. But also special valves are applied here as there are no standards or classifications whatsoever for waste water.

For drinking water, other requirements for materials and types other than those used for demineralised water or waste water applications. Thanks to our comprehensive product range and customised manufacturing, we can supply suitable valves – even in individual nominal diameters.

Around the globe, we manufacture and supply products and provide services at the highest level of quality.

With regard to life-cycle costs, there's no better choice than VAG valves. Their biggest benefit is the use of body materials, sealing materials, coatings and designs tailored to the requirements of the application.

Our range of standard products is completed by customised valves, e.g. with the body made of duplex stainless steel, rubber-lined types or ceramic coatings. We ensure that the valves are resistant to acids or alkalis, sandy and other abrasive media. Make use of our experience for the design of your valve and the selection of materials.

VAG EKO®*plus* Gate Valve

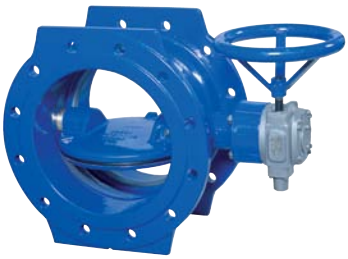
Its premium-quality materials make it corrosion-resistant and maintenance-free. Its plastic sliding caps on the wedge ensure its low torque. Further advantages include its triple O-ring seal and its suitability for operation under vacuum (up to 90%).

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.

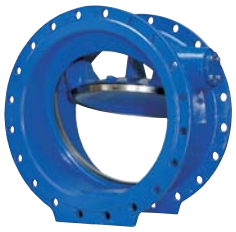
Types:
- Due to the custom materials for the profiled seal, shaft and disk it is suitable for use in gas, water and wastewater applications



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 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 IKO®*plus* Gate Valve

Its internal and external synthetic resin coating reliably protects it against corrosion. The inside screw and its maintenance-free stem seal make it a reliable gate valve.

Types:
- Basic model with nominal pressure PN 10, flanges PN 6 with bore holes
- With drain plug

VAG NOVA 150 Standpost Hydrant

In case of fire, it protects modern and sensitive industrial plants. Its streamlined design ensures a maximum of fire fighting water output capacity, operator friendliness and reliability of operation. This in turn ensures fast and effective fire fighting.

Types:
- Form AU without drop jacket
- Form AFU with drop jacket

VAG EKO®*plus* Gate Valve,
VAG CEREX® Butterfly Valve,
VAG EKN® Butterfly Valve,
VAG SKR Slanted Seat Tilting Disk Check Valve,
VAG IKO®*plus* Gate Valve,
VAG NOVA 150 Standpost Hydrant

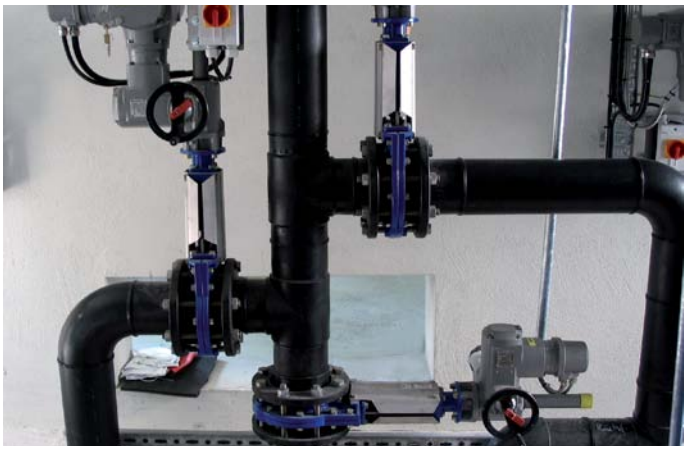
Reference projects

Evonik recooling plant,
Wesseling, Germany

3 VAG EROX® Penstocks,
20 VAG EKN® Butterfly Valves

Chemische Fabrik Budenheim
(Chemical Factory)
Underground pumping station,
Budenheim, Germany

36 VAG ZETA® Knife Gate Valves,
2 VAG SKR Slanted Seat Tilting
Disk Check Valve with internal
damping unit,
several VAG EKN® Butterfly Valves



Water supply system for fire fighting
Frankfurt Airport, Germany

26 VAG NOVA Standpost Hydrants

Quench water regulation at the
Schwelgern coking plant
Duisburg, Germany

8 VAG RIKO® Plunger Valves
with Auma electric actuator

VAG

www.vag-group.com
info@vag-group.com

Edition 1_March 2012