
VAG EKN[®] H Butterfly Valve

World's future standard



Power plants



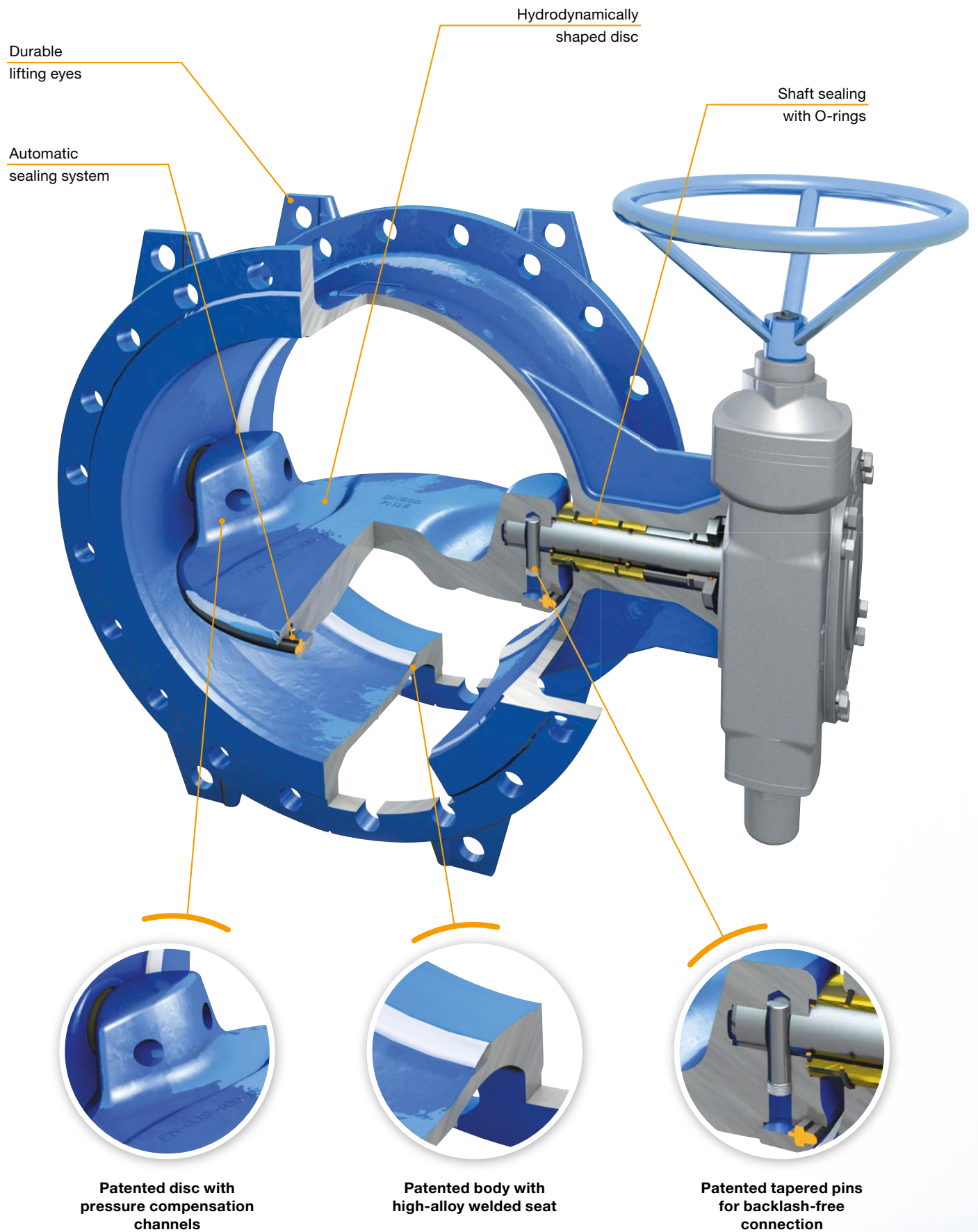
Dams and
hydropower



Water distribution

VAG EKN[®] H Butterfly Valve

Efficiency and sustainability redefined



Product features

- **100% shaft protection:** For the highest corrosion protection, the stainless-steel shafts are completely isolated from medium by O-rings and closed self-lubricated bearing bushes.
- **High-end seat:** The wear-resistant, corrosion-proof and infiltration-proof seat with its optimised geometry and high-precision finish ensures the durability of the entire sealing system.
- **Reliable sealing system:** The operating pressure supports the sealing effect – irrespective of the flow direction. Due to its moulded sealing profile, there is no risk of the profiled sealing being pulled out even at high gap velocities.
- **Double eccentricity:** The double-offset position of the disc ensures high sealing force at low operating torques. Considerable reduction of the shear stress acting on the profiled sealing ring and its full release when the valve is in the open position increases its service life.

Technical details

- Nominal pressures PN 10, 16, 25
- Nominal diameters DN 150 ... 1200
- Standard version: Body and disk made of ductile iron EN-GJS-400-15 (GGG-40), sealings made of EPDM, shafts made of stainless steel 1.4021, bearing bushes made of bronze, seat made of high Ni-Cr alloy steel
- Face-to-face length acc. to EN 558, basic series 14
- Coating: inside and outside epoxy coating (GSK quality)

Fields of application



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Interesting facts

- The flow optimized design with patented hydrodynamic disk, enlarged inner diameter and patented pressure compensation channels lead up to 59% higher energy savings compared to standard design.
- The patented tapered-pin connection ensures the permanently backlash-free connection of the shaft and disk and reliable torque transmission. The complete enclosure of the tapered pins in the disk prevents corrosion.
- Different designs, coatings systems and customer-specific solutions allow use in almost all fields of applications.



The Valve Experts

Die Armaturen-Experten

