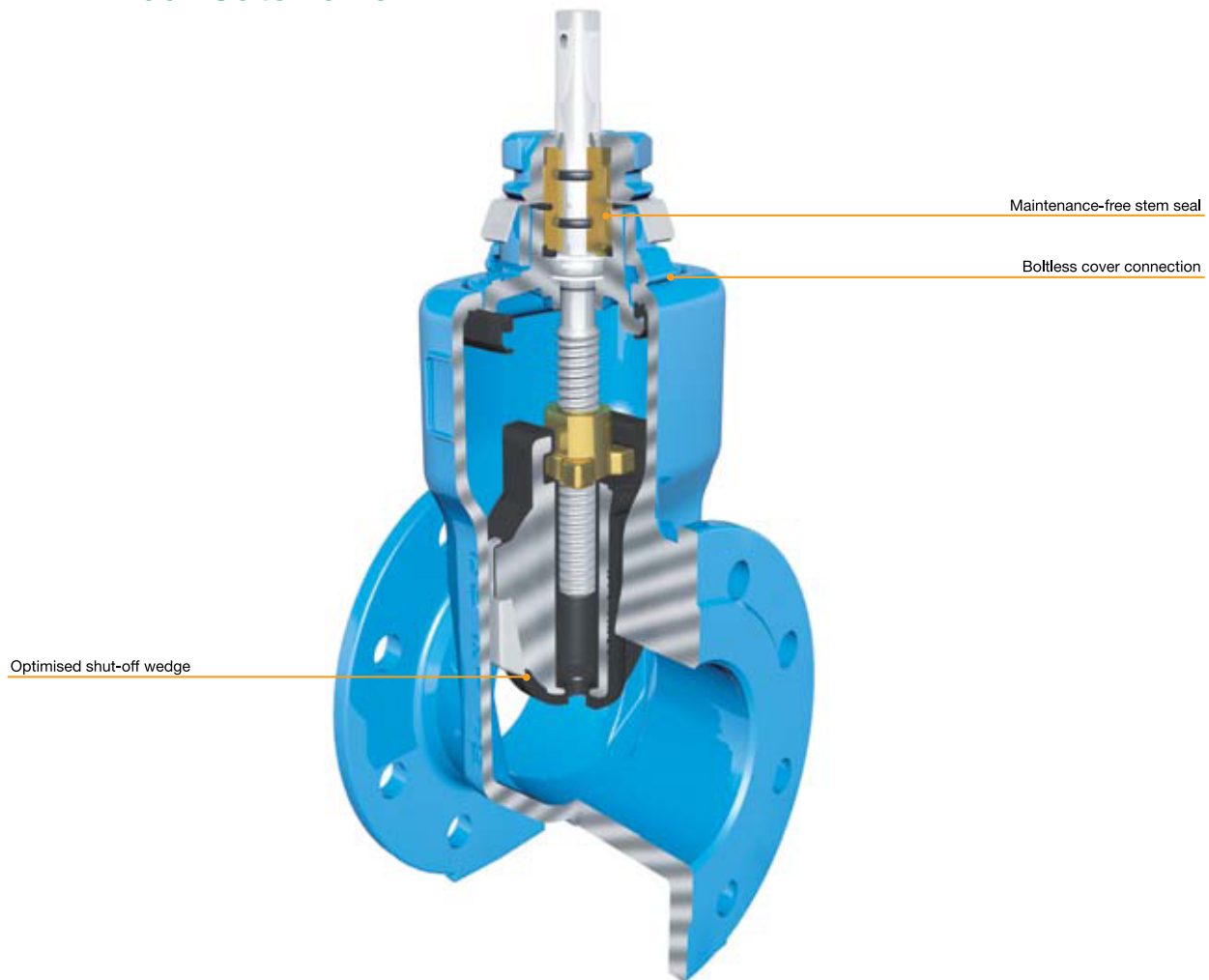


VAG Gate Valves





VAG BETA 200® Gate Valve



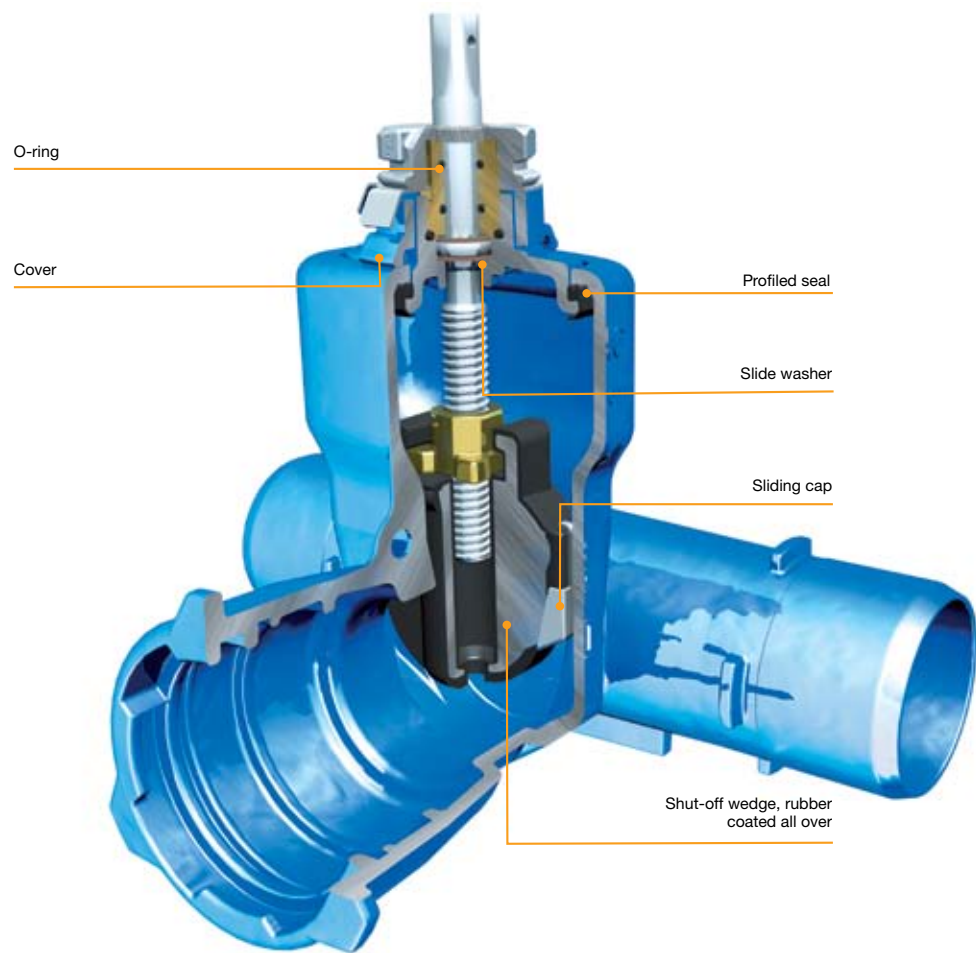
Technical details

- Nominal pressures PN 10 / 16
- Nominal diameters DN 40...DN 300
- Field of applications: Drinking water
- Standard version: Body, cover and shut-off wedge made of ductile iron EN-GJS-400-15 (GGG-40), shut-off wedge EPDM coated all over, stem made of stainless steel grade 1.4021, stem nut made of brass, resilient seated to EN 1074
- Epoxy coating to GSK guidelines
- Face-to face length to EN 558-1, Basic Series 14 / 15
- Special versions:
 - As replacement valve
 - As BAIO®*plus* valve
 - With true enamel on the inside and epoxy coating on the outside

Product features

- The boltless cover connection seals automatically and is supported by the pressure. This reduces the corroding surface in case of buried installation and avoids any unnecessary stress points on cover bolts.
- The plastic sliding caps on the wedge reduce the torque. This makes operation easier even after a large number of operating cycles.
- The high grade materials of the stainless steel stem and the brass bearing bush make the valve resistant to corrosion and maintenance free.
- Very little abrasion and wear due to the wedge guiding inside the body and a long stem bearing.
- Due to its resistance to vacuum of up to 90%, the valve is ideally suited for suction lines.
- Testing and registration by DVGW guarantees superior product quality by external monitoring which also takes hygienic aspects into consideration.

VAG BETA® 200 SMB Gate Valve



Technical details

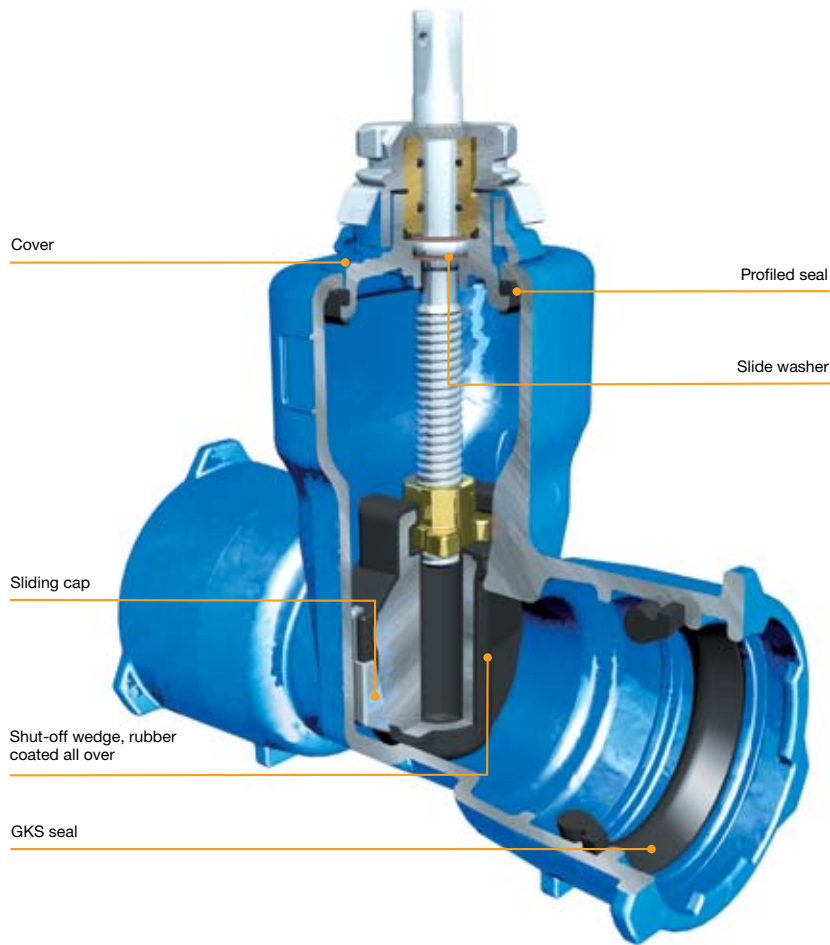
- Nominal pressures PN 10 / 16
- Nominal diameters DN 100...DN 150
- Field of applications: Water
- Standard versions: Body and cover made of ductile iron EN-GJS-400-15 (GGG-40), shut-off wedge made of ductile iron EN-GJS-400-15 (GGG-40) and EPDM-coated all over; stem made of stainless steel grade 1.4021 and stem nut made of brass
- Internally and externally epoxy coated to GSK guidelines
- Special versions:
 - With TYTON sealing ring (for ductile iron)
 - With GKS sealing ring (for PVC and PE-HD pipes)

Product features

- With socket connection in the branch, with spigot-end connection on both sides in the passage.
- Boltless, self-sealing (cover) connection prevents corrosion.
- Low torque due to plastic sliding guides on the wedge, therefore easy to operate.
- In combination with the BAIO®DVS double-socket lock, the valve can be easily dismantled for pipeline refurbishment.
- Socket designed as double-function socket for internal and external locking in accordance with DIN 28603, thus universal use with all materials.
- External bayonet connection between pipe spigot end and BAIO®plus socket.
- Pull-out proof thanks to internal and external bayonet connection; no counter-bearing needed.
- Short assembly times due to small number of components.
- Tension-free laying due +/- 3° incline to compensate earth movements.
- Variable use with ductile ductile-iron pipes and plastic pipes by simple exchange of the sealing rings.



VAG BETA® 200 Gate Valve MU/MU



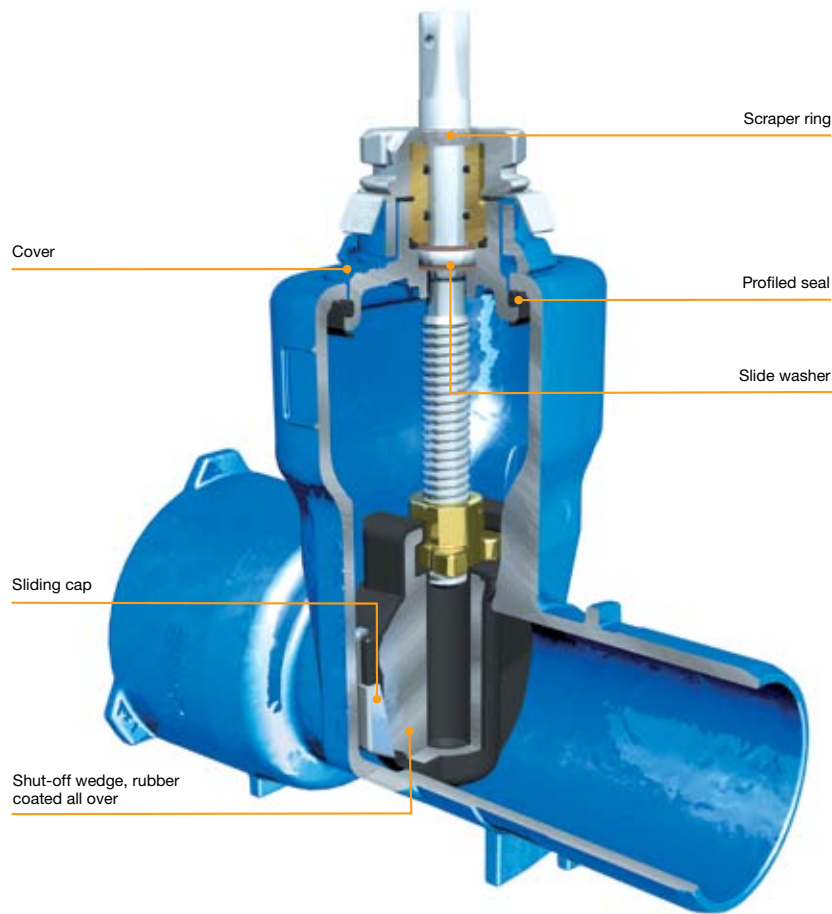
Technical details

- Nominal pressures PN 10 / 16
- Nominal diameters DN 80...DN 300
- Field of applications: Water
- Standard version: Body and cover made of ductile iron EN-GJS-400-15 (GGG-40), shut-off wedge made of ductile iron EN-GJS-400-15 (GGG-40) and EPDM-coated all over; stem made of stainless steel grade 1.4021 and stem nut made of brass
- Internally and externally epoxy coated to GSK guidelines
- Special versions:
 - With TYTON sealing ring (for ductile iron)
 - With GKS sealing ring (for PVC and PE-HD pipes)

Product features

- With socket connection on both sides.
- Boltless, self-sealing (cover) connection prevents corrosion.
- Low torque due to plastic sliding caps on the wedge, thus easy to operate.
- Socket designed as double-function socket for internal and external locking in accordance with DIN 28603; thus universal use with all materials.
- Pull-out proof thanks to internal and external bayonet connection; no counter-bearing needed.
- Short assembly times due to small number of components.
- Tension-free laying due +/- 3° incline to compensate earth movements.
- Variable use with ductile iron pipes and plastic pipes by simple exchange of the sealing rings.
- Maintenance-free and corrosion-proof stem seal.
- Low wear due to wedge guide in the body and long stem bearing.
- Also suitable for vacuum of up to 90% and thus suitable for suction lines.

VAG BETA® 200 Gate Valve MU/SP



Technical details

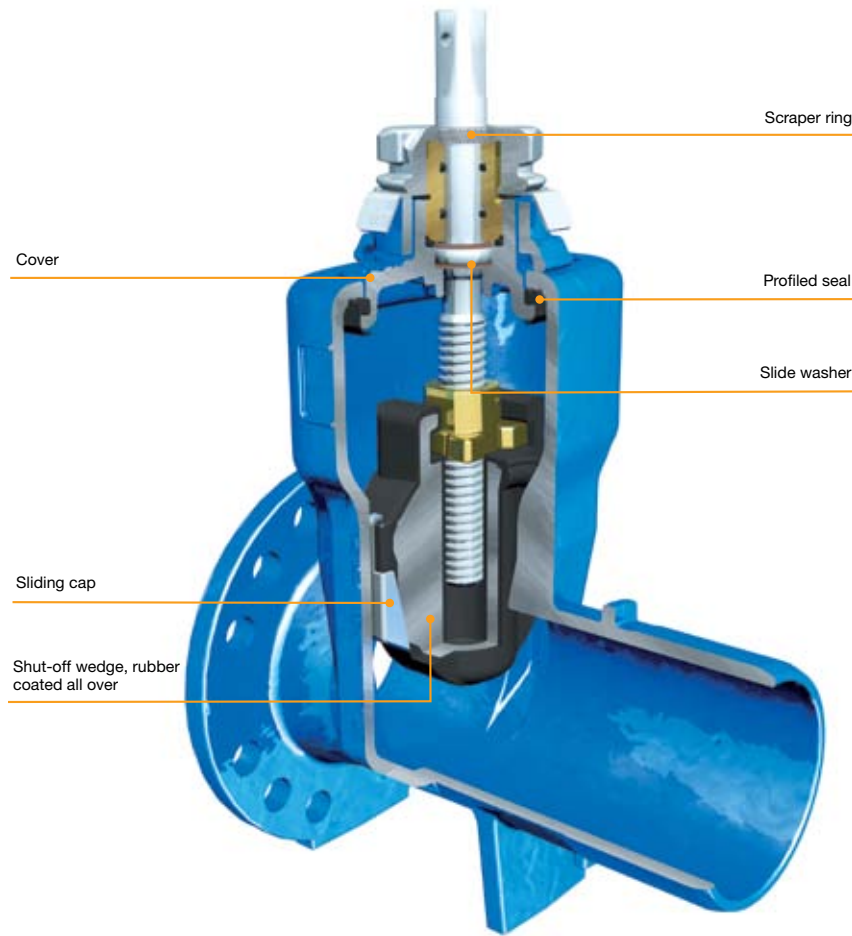
- Nominal pressures PN 10 / 16
- Nominal diameters DN 80...DN 300
- Field of applications: Water
- Standard versions: Body and cover made of ductile iron EN-GJS-400-15 (GGG-40), shut-off wedge made of ductile iron EN-GJS-400-15 (GGG-40) and EPDM-coated all over; stem made of stainless steel grade 1.4021 and stem nut made of brass
- Internally and externally epoxy coated to GSK guidelines
- Special versions:
 - With TYTON sealing ring (for ductile iron)
 - With GKS sealing ring (for PVC and PE-HD pipes)

Product features

- With socket connection on one side and spigot-end connection on the other.
- Boltless, self-sealing (cover) connection prevents corrosion.
- Spigot end with locking cams for internal locking.
- External bayonet connection between the spigot end of the pipe and the BAIO®plus socket.
- Pull-out proof thanks to internal and external bayonet connection; no counter-bearing needed.
- Short assembly times due to small number of components.
- Tension-free laying due +/- 3° incline to compensate earth movements.
- Variable use with ductile iron pipes and plastic pipes by simple exchange of the sealing rings.
- Maintenance-free and corrosion-proof stem seal.
- Low wear due to wedge guide in the body and long stem bearing.
- Also suitable for vacuum of up to 90% and thus suitable for suction lines.



VAG BETA® 200 Gate Valve FL/SP



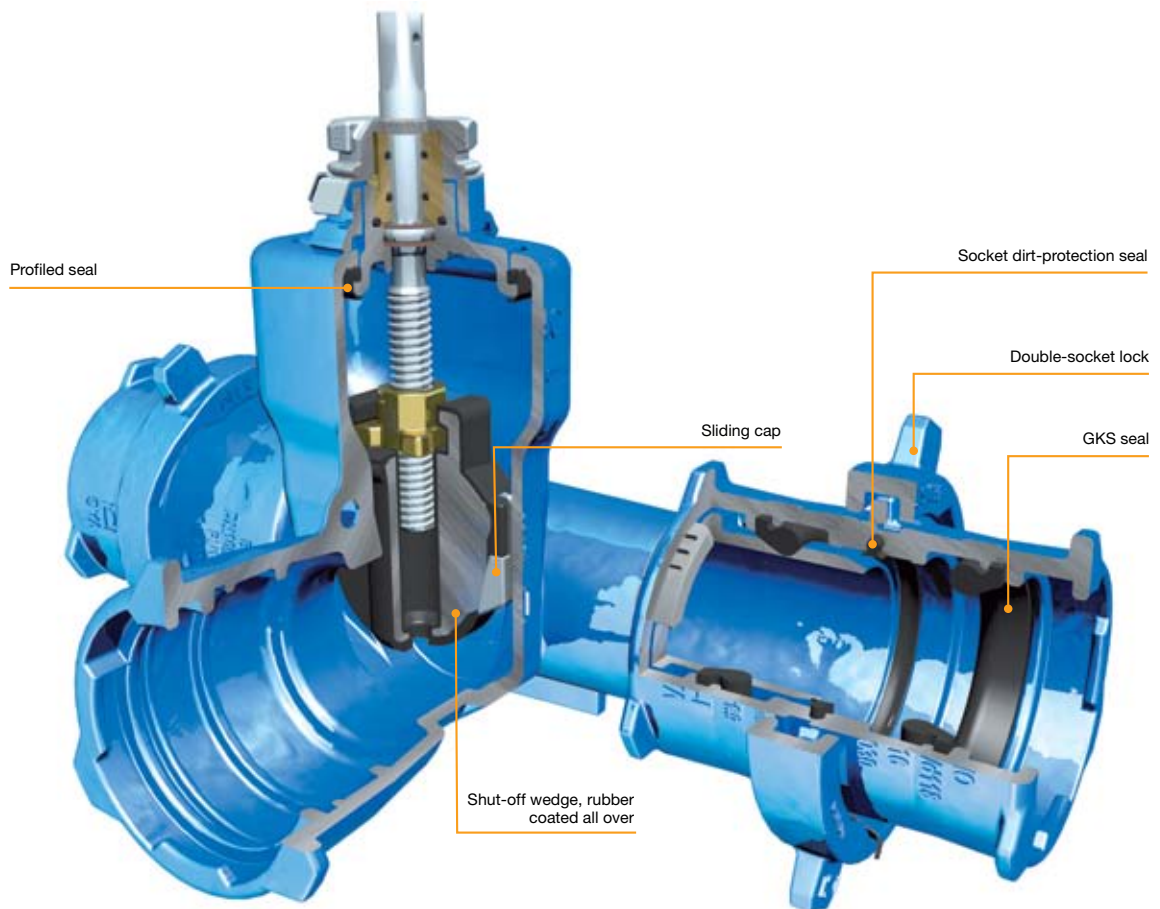
Technical details

- Nominal pressures PN 10 / 16
- Nominal diameters DN 80...DN 300
- Field of applications: Water
- Standard versions: Body and cover made of ductile iron EN-GJS-400-15 (GGG-40), shut-off wedge made of ductile iron EN-GJS-400-15 (GGG-40) and EPDM-coated all over; stem made of stainless steel grade 1.4021 and stem nut made of brass
- Internally and externally epoxy coated to GSK guidelines
- Special versions:
 - With TYTON sealing ring (for ductile iron)
 - With GKS sealing ring (for PVC and PE-HD pipes)

Product features

- With spigot-end connection on one side and flange connection to EN 1092-2 on the other.
- Boltless, self-sealing (cover) connection prevents corrosion.
- Low torque due to plastic sliding caps on the wedge and thus easy to operate.
- Spigot end with locking cams for internal locking.
- Pull-out proof thanks to internal and external bayonet connection; no counter-bearing needed.
- Short assembly times due to small number of components.
- Tension-free laying due to +/- 3° incline to compensate earth movements.
- Variable use with ductile iron pipes and plastic pipes by simple exchange of the sealing rings.
- Maintenance-free and corrosion-proof stem seal.
- Low wear due to wedge guide in the body and long stem bearing.
- Also suitable for vacuum of up to 90% and thus suitable for suction lines.

VAG BETA® 200 SMB-Combi Gate Valve



Technical details

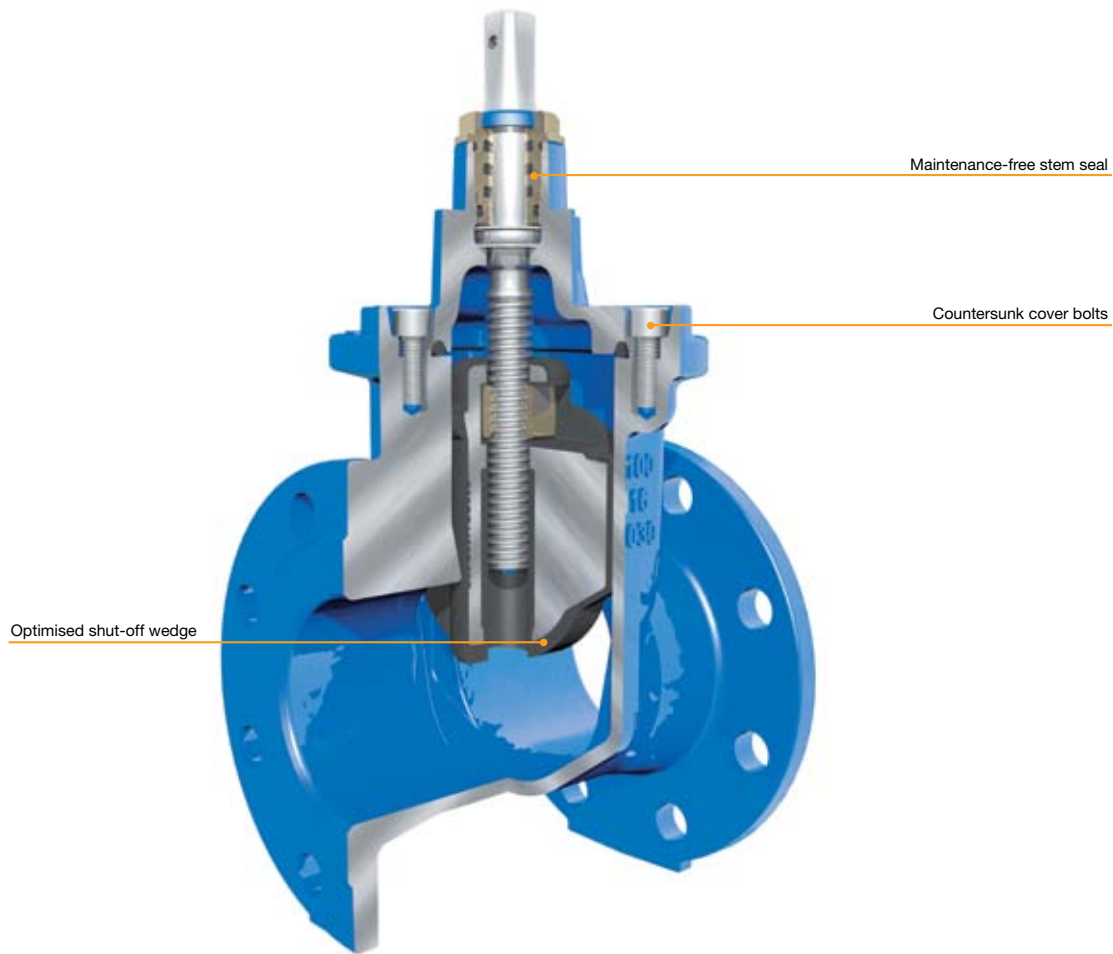
- Nominal pressures PN 10 / 16
- Nominal diameters DN 100...DN 150
- Field of applications: Water
- Standard versions: Body and cover made of ductile iron EN-GJS-400-15 (GGG-40), shut-off wedge made of ductile iron EN-GJS-400-15 (GGG-40) and EPDM-coated all over; stem made of stainless steel grade 1.4021 and stem nut made of brass
- Internally and externally epoxy coated to GSK guidelines
- Special versions:
 - With TYTON sealing ring (for ductile iron)
 - With GKS sealing ring (for PVC and PE-HD pipes)

Product features

- Boltless, self-sealing (cover) connection prevents corrosion.
- Low torque due to plastic sliding caps on the wedge and thus easy to operate.
- VAG BETA® 200 SMB Gate Valve in the lateral branch with socket connection to DIN 28603 in the passage, with spigot end on both sides with locking cams, including two pre-assembled VAG BAIO®*plus* double-socket locks.
- Socket designed as double-function socket for internal and external locking in accordance with DIN 28603, thus universal use with all materials.
- External bayonet connection between the spigot end of the pipe and the BAIO®*plus* socket.
- Pull-out proof thanks to internal and external bayonet connection.
- Short assembly times due to small number of components.
- Tension-free laying due +/- 3° incline ability to compensate earth movements.
- Variable use with ductile iron pipes and plastic pipes by simple exchange of the sealing rings.



VAG EKO[®] plus Gate Valve



Technical details

- Nominal pressures PN 10 / 16 / 25
- Nominal diameters DN 40...DN 600
- Fields of applications: Drinking water, wastewater, sea water and gas
- Standard versions: Body, cover and shut-off wedge made of ductile iron EN-GJS-400-15 (GGG-40), cover bolts made of A2 stainless steel, shut-off wedge EPDM or NBR (gas) coated all over, stem made of stainless steel grade 1.4021, stem nut made of brass, resilient seated to EN 1074
- Face-to face length to EN 558-1, Basic Series 14 / 15
- Epoxy coating to GSK guidelines
- Special versions:
 - With flange-, socket-, spigot- and PE-HD ends
 - Gulf type (Arab Emirates)
 - To ANSI standard
 - SANS types
 - British Standard types
 - With rising stem
 - With special coatings
 - With electric actuator
 - With pneumatic actuator

Product features

- The plastic sliding caps on the wedge reduce the torque. This makes operation easier even after a large number of operating cycles.
- The high grade materials of the stainless steel stem and the brass bearing bush as well as a triple O-ring seal make this valve resistant to corrosion and maintenance free.
- Very little abrasion and wear due to the wedge guiding inside the body and a long stem bearing.
- Due to its resistance to vacuum of up to 90%, the valve is ideally suited for suction lines and gas supply lines.
- Testing and registration by DVGW guarantees superior product quality by external monitoring which also takes hygienic aspects into consideration.

VAG IKO[®]plus Gate Valve



Technical details

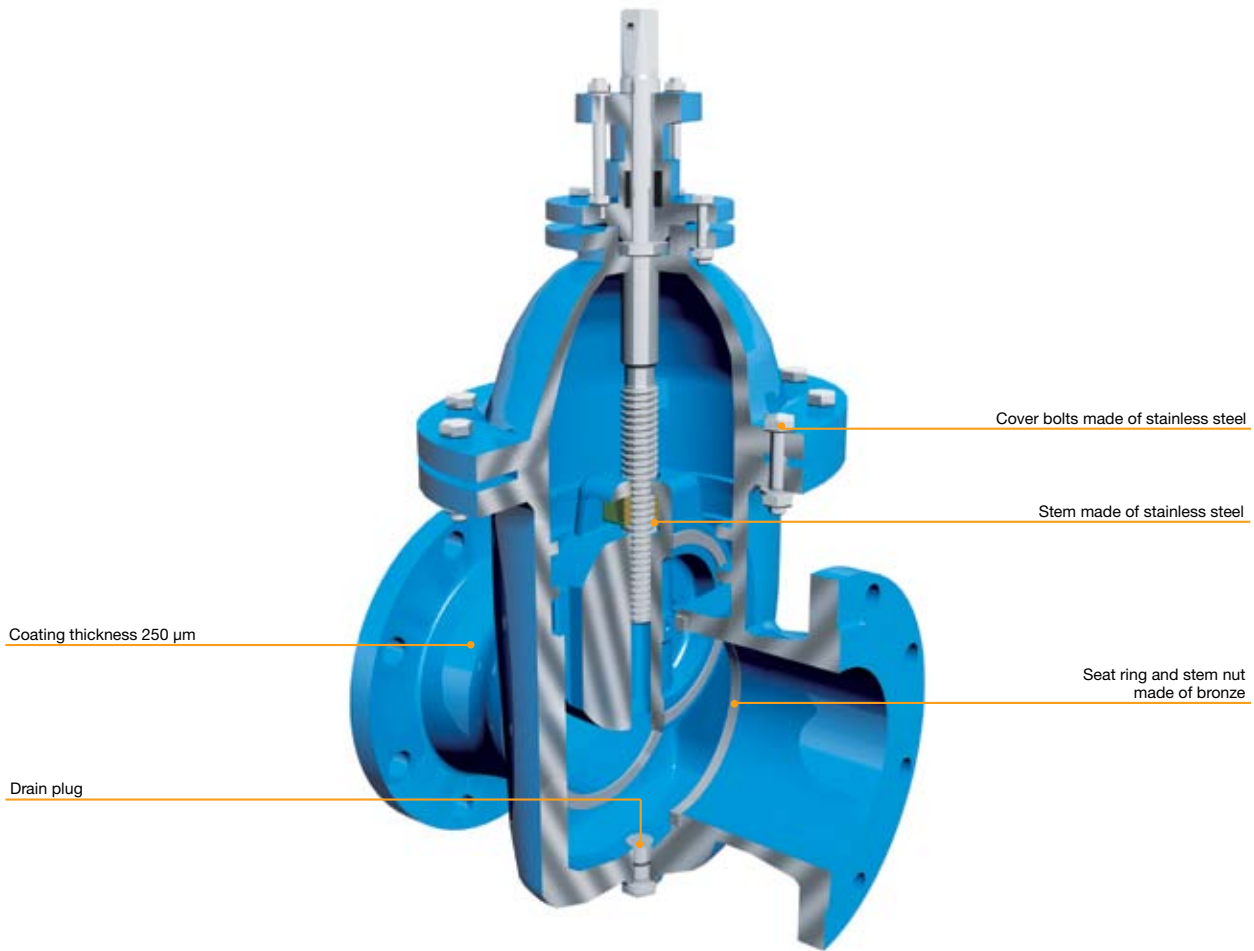
- Nominal pressures PN 6 / 10 (R 14) / 16 (R 15)
- Nominal diameters DN 40...DN 300
- Fields of applications: Industrial plants, heating systems, as special type suitable for transformer oil
- Standard versions: Body, cover and shut-off wedge made of cast iron EN-GJS-400-15 (GGG-40), body- and wedge seat rings made of stainless steel grade 1.4301, O-rings made of Viton (200° C), stem made of stainless steel grade 1.4021, stem nut and stem bearing made of cast iron EN-GJS-400-15 (GGG-40), metallic sealing to EN 1171
- Internally and externally synthetic resin coated
- Face-to-face length to EN 558-1, Basic Series 14 / 15
- Special versions:
 - As transformer oil gate valve
 - With external stem thread
 - With position indicator
 - With electric actuator

Product features

- Maintenance free due to internal stem thread.
- Long service life ensured by stainless-steel seat rings.
- Stainless-steel rings suitable for many different applications.



VAG KOS Gate Valve



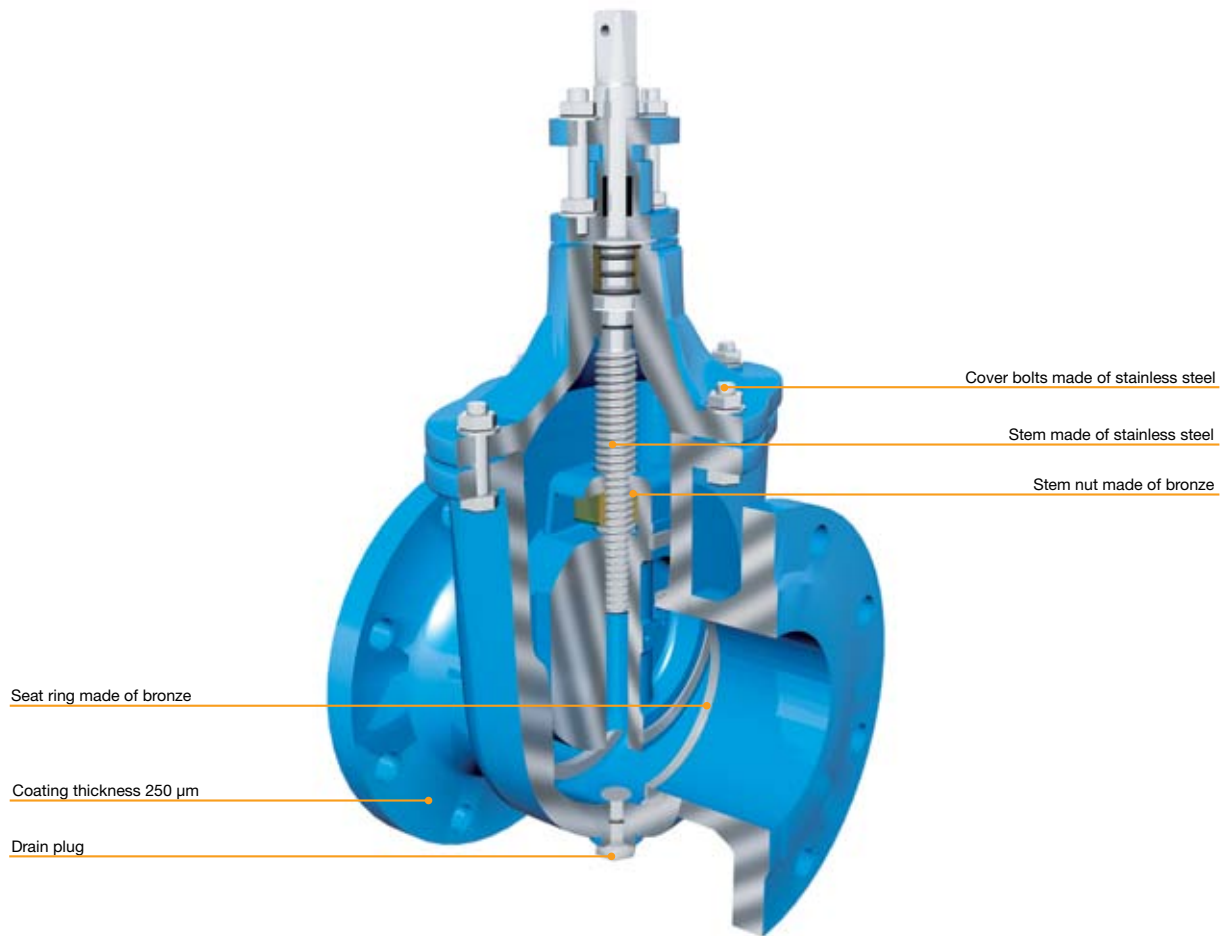
Technical details

- Nominal pressures PN 10 / 16 ≤ DN 600
- Nominal diameters DN 50...DN 1200
- Fields of applications: service and wastewater
- Standard versions: Body, cover and shut-off wedge made of ductile iron EN-GJS-400-15 (GGG-40), cover bolts made of A4 stainless steel, body- and wedge seat rings and stem nut made of zinc-free bronze, stem made of stainless steel grade 1.4057, stuffing box made of aramide / PTFE, metallic sealing to EN 1171, internal stem thread, adjustable stem seal, with drain plug
- Internally and externally epoxy coated
- Face-to-face length to EN 558-1, Basic Series 15 (DIN 3202, F5)
- Special versions:
 - With gear unit
 - With electric actuator
 - With mechanical position indicator
 - With bypass
 - With raised pipe column for buried installation
 - With special materials for the seat ring and stem

Product features

- High strength ensured by ductile cast iron.
- Resistant to the medium due to seat rings and stem nut made of zinc-free bronze.
- Resistant to the medium due to the 17% cr stem design.
- Available in rising stem version for heavily polluted media.
- Epoxy-based coating quality with a coating thickness of at least 250µm ensures long-term protection against atmospheric influences.

VAG KFS Gate Valve



Technical details

- Maximum operating pressures: 1 / 1.6 / 2.5 / 4 / 6 / 10 bar
- Nominal diameters DN 50...DN 1200
- Fields of applications: Service and wastewater
- Standard versions: Body, cover and shut-off wedge made of ductile iron EN-GJS-400-15 (GGG-40), cover bolts made of A4 stainless steel, body- and wedge seat rings and stem nut made of zinc-free bronze, stem made of stainless steel grade 1.4057, stuffing box made of aramid / PTFE, metallic sealing to EN 1171, adjustable stem seal, with internal stem thread, with drain plug, with flange connection to EN 1092-2 on both sides, PN 10
- Internally and externally epoxy coated
- Face-to-face length to EN 558-1, Basic Series 14
- Special versions:
 - With gear unit
 - With electric actuator
 - With mechanical position indicator
 - With bypass
 - With raised pipe column for buried installation
 - With special materials for the seat ring and stem

Product features

- High strength ensured by ductile cast iron.
- Resistant to the medium due to seat rings and stem nut made of zinc-free bronze.
- Resistant to the medium due to the 17% cr stem design.
- As special type with external stem thread suitable for heavily polluted media.
- Tested epoxy-based coating quality with a coating thickness of at least 250µm ensures long-term protection against atmospheric influences.



Reference projects

Cologne combined pumping station
Rodenkirchen, Germany
VAG KOS Gate Valves



Gas network
Bialystok, Poland
VAG EKO^{plus} Gate Valves
with welding ends



Refurbishment of the water supply
network in Ždár, Slovak Republic
VAG BAIO^{BETA} 200 Gate Valves



Drinking water treatment plant
Luisenthal, Germany
VAG BETA²⁰⁰ Gate Valves



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For detailed information about nominal diameters, nominal pressures and types, the technical documentation KAT-A is relevant. • Pictures are non-binding