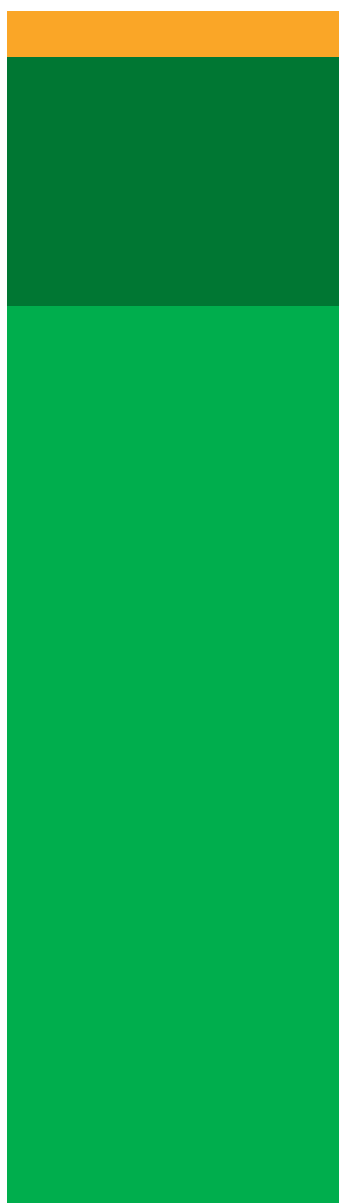
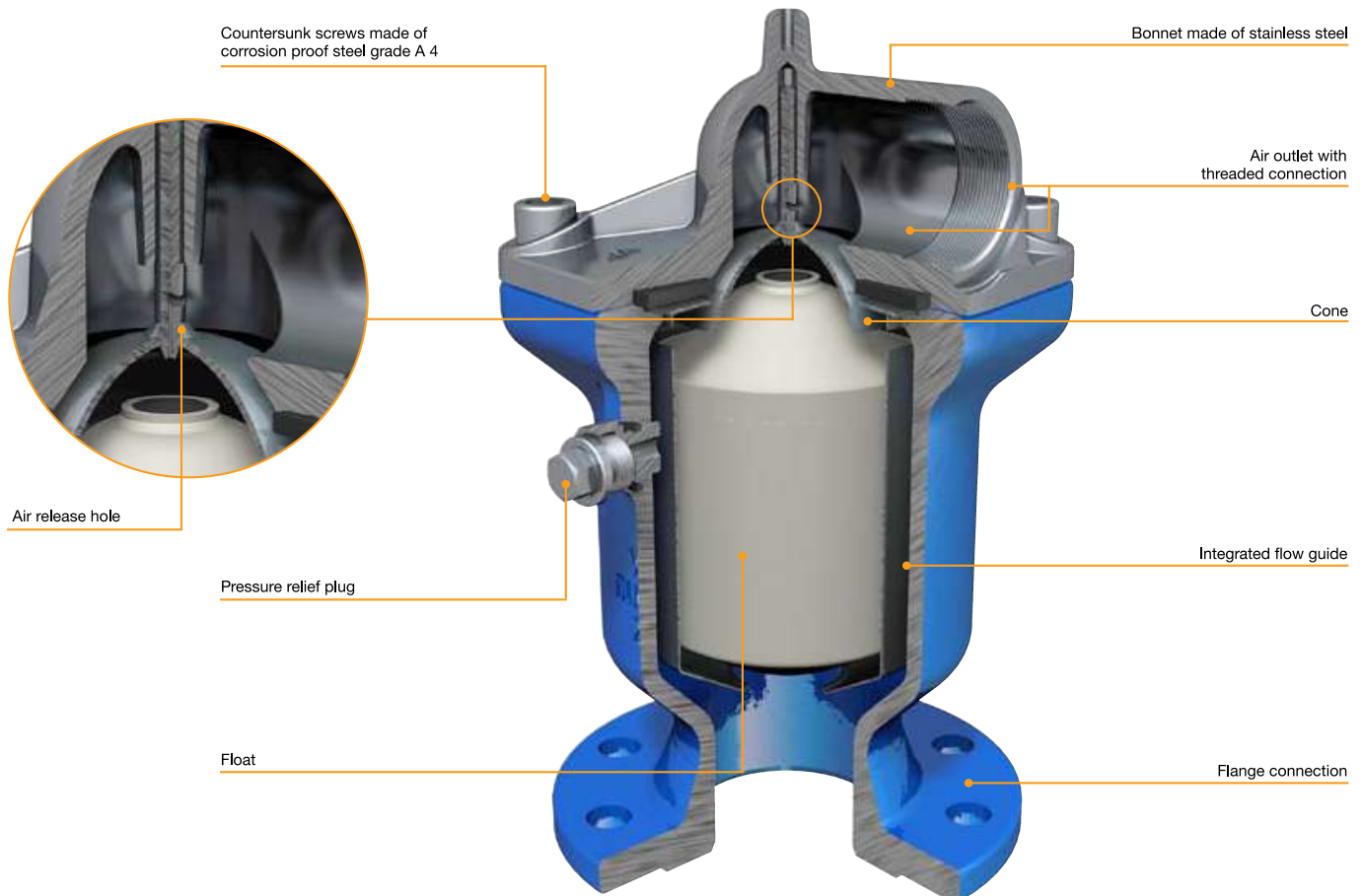


VAG Air Valves





VAG DUOJET® Automatic Air Valve



Technical details

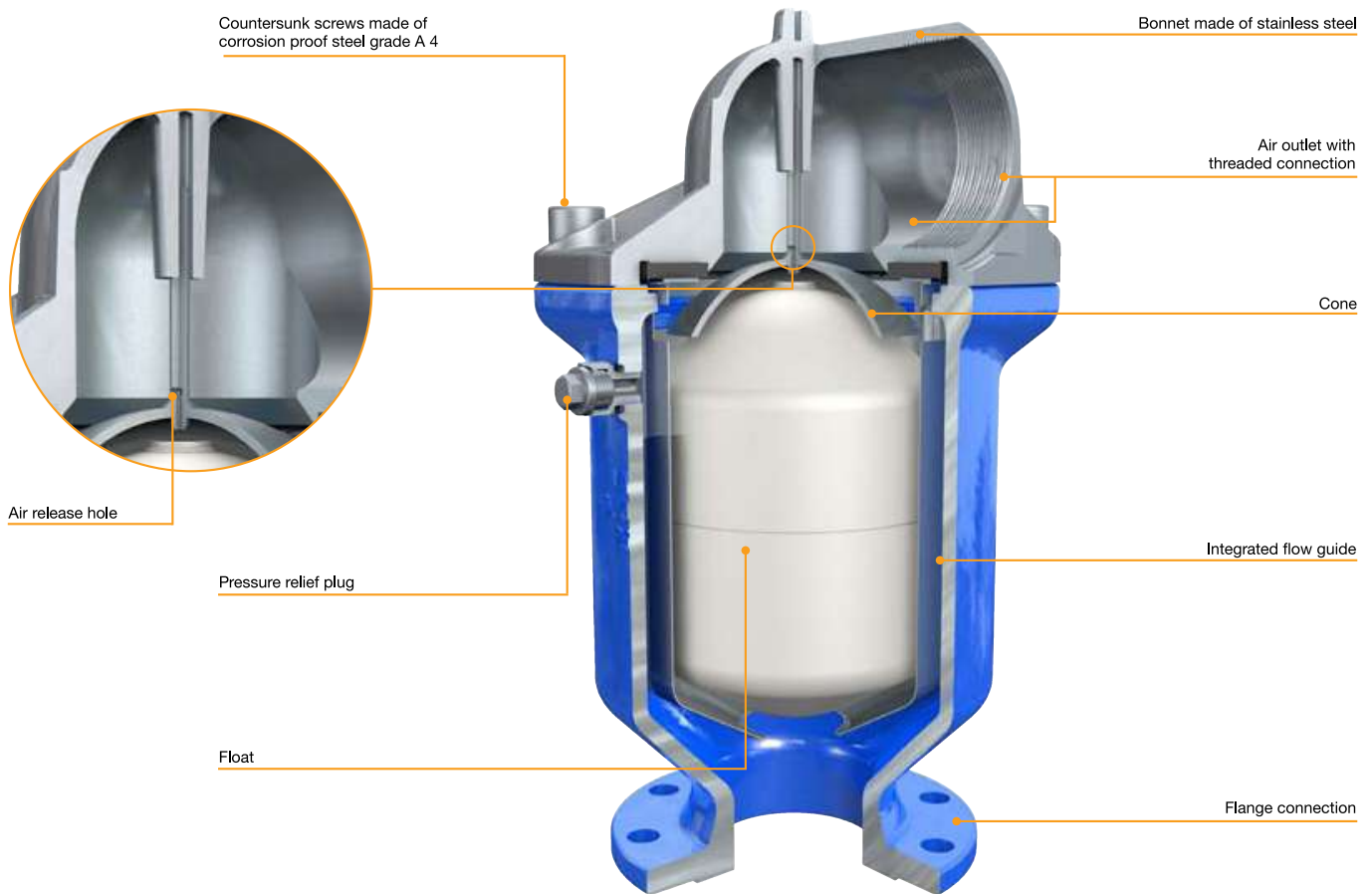
- Nominal pressures PN 10 / 16 / 25
- Nominal diameters DN 50...200
- Fields of application: Installation in pits, on pipelines, in plants, suitable for drinking water up to 50 °C
- Standard version: Body made of ductile iron EN-GJS-400-15 (GGG-40), bonnet made of stainless steel grade 1.4308, inner parts and float made of stainless steel grade 1.4541 (exception: float of DN 50, PN 10 / PN 16 made of plastic), with flange connection to EN 1092-2
- DVGW certified for drinking water applications
- Epoxy coating according to GSK quality specifications
- Special versions:
 - AWWA type
 - For pressures from 0.1 to 1 bar special seal
 - For flange dimensions to ANSI class 150
 - With insect screen
 - Connection of DN 50 / PN 16 with G 2" thread upon request
 - VAG DUOJET®-S Automatic Air Valve with integrated shut-off valve VAG CEREX® 300-L Butterfly Valve with hand lever
 - VAG DUOJET® Anti-Surge Automatic Air Valve with integrated shut-off valve VAG CEREX® 300-L Butterfly Valve with hand lever

Product features

- Single chamber type in compact design ensuring easy assembly and low space requirements; highly reliable function and low maintenance.
- Economic solution due to a venting system with three functions:
 - Venting,
 - Air release,
 - Automatic air release during operation.
- Guaranteed air discharge even at high air velocities, no interruption of the filling process and high discharge capacity due to the integrated flow guide.
- All parts in touch with the medium are made to KTW and DVGW W 270 requirements, avoids bacterial contamination.
- Maintenance possible without shutdown of the pipeline due to pressure relief plug with cross bore.
- Due to optional features such as insect screen or orifice, the valve can be adapted to operating and environmental conditions at a later point of time.
- All metal are made of corrosion proof materials and thus corrosion-resistant and incrustation-free.
- Threaded air outlet for the field connection of drainage pipes.

VAG DUOJET®-P Automatic Air Valve

High performance



Technical details

- Nominal pressures PN 10 / 16 / 25
- Nominal diameters DN 50...150
- Fields of application: Installation in pits, on pipelines, in plants, suitable for drinking water up to 50 °C
- Standard version: Body made of ductile iron EN-GJS-400-15 (GGG-40), bonnet made of stainless steel grade 1.4308, inner parts and float made of stainless steel grade 1.4541 (exception: float of DN 50, PN 10 / PN 16 made of plastic), with flange connection to EN 1092-2
- DVGW certified for drinking water applications
- Epoxy coating according to GSK quality specifications
- Special versions:
 - AWWA type
 - For pressures from 0.1 to 1 bar special seal
 - For flange dimensions to ANSI class 150
 - With insect screen
 - Connection of DN 50 / PN 16 with G 2" thread upon request
 - VAG DUOJET®-S Automatic Air Valve with integrated shut-off valve VAG CEREX® 300-L Butterfly valve with hand lever
 - VAG DUOJET® Anti-Surge Automatic Air Valve with integrated shut-off valve VAG CEREX® 300-L Butterfly Valve with hand lever

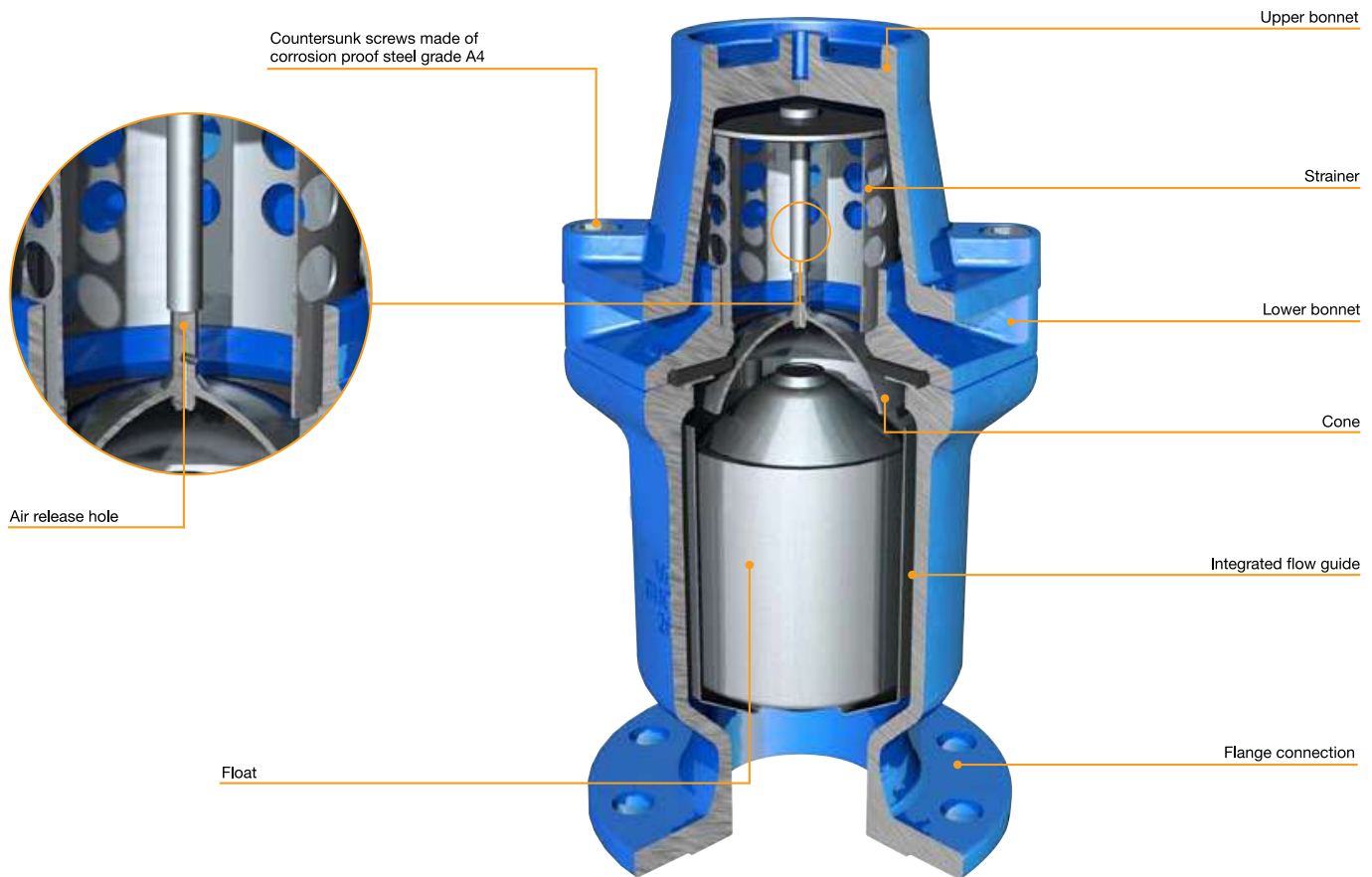
Product features

- 40% higher performance than standard air valves: design according to full bore ensures higher performance.
- Single chamber type in compact design ensuring easy assembly and low space requirements; highly reliable function and low maintenance.
- Economic solution due to a venting system with three functions:
 - Venting,
 - Air release,
 - Automatic air release during operation.
- Guaranteed air discharge even at high air velocities, no interruption of the filling process and high discharge capacity due to the integrated flow guide.
- All parts in touch with the medium are made to KTW and DVGW W 270 requirements, avoids bacterial contamination.
- Maintenance possible without shutdown of the pipeline due to pressure relief plug with cross bore.
- Due to optional features such as insect screen or orifice, the valve can be adapted to operating and environmental conditions at a later point of time.
- All metal are made of corrosion proof materials and thus corrosion-resistant and incrustation-free.
- Threaded air outlet for the field connection of drainage pipes.



VAG DUOJET®-T Automatic Air Valve

Tamper resistant



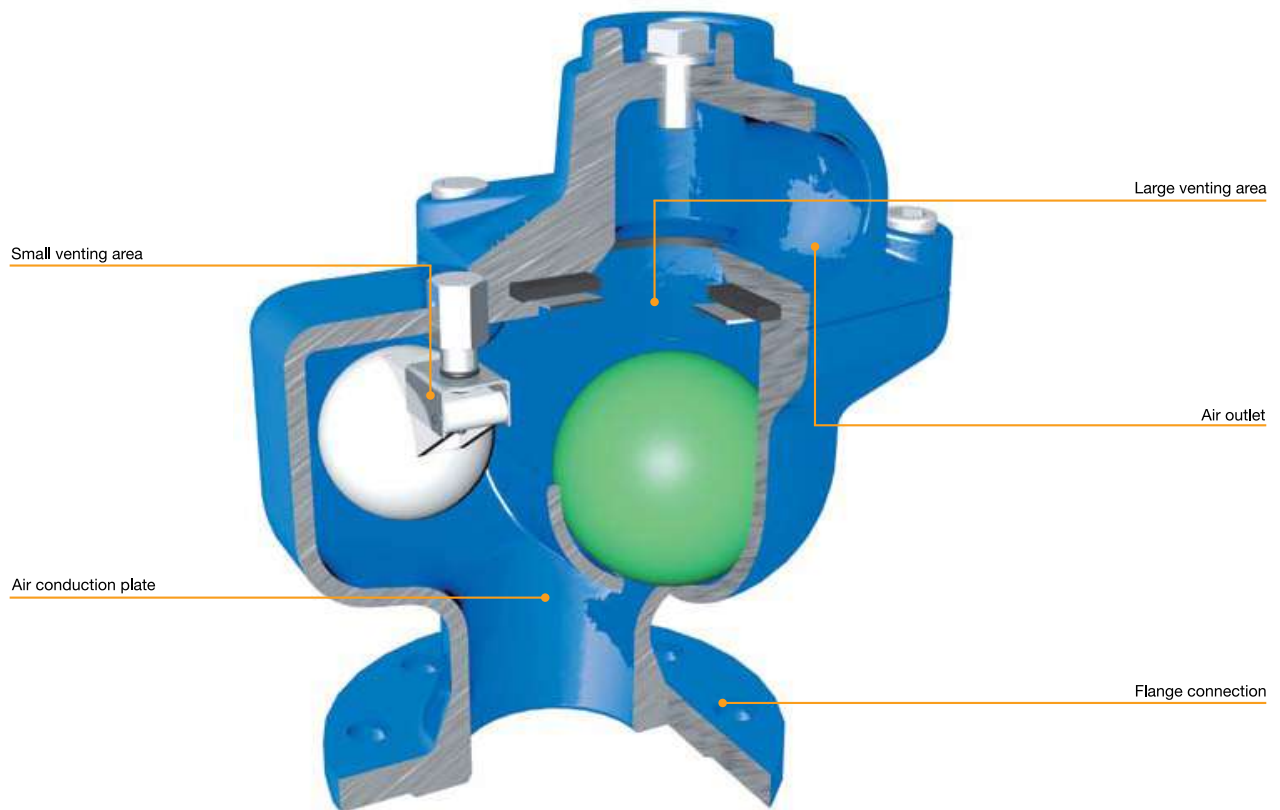
Technical details

- Nominal pressures PN 10 / 16 / 25
- Nominal diameters DN 50... 200
- Fields of application: Installation in pits, installation on pipelines, installation in plants, suitable for drinking water up to 50 °C
- Lower bonnet, upper bonnet and body made of ductile cast iron EN-GJS 400-15 (GGG-40), inner parts are made of stainless steel grade 1.4541, strainer with lead bolt made of stainless steel 1.4301 and float is made of stainless steel 1.4571 (exception: float of DN 50, PN 10 / PN 16 made of plastic), with flange connection to EN 1092-2
- Internally and externally epoxy coated
- Special versions
 - For pressures from 0.1 to 1 bar with special sealing
 - For flange dimensions acc. to ANSI class 150
 - VAG DUOJET®-S Automatic Air Valve with integrated shut-off valve (VAG CEREX® 300-L Butterfly Valve with hand lever)
 - VAG DUOJET® Anti-Surge Automatic Air Valve with integrated shut-off valve (VAG CEREX® 300-L Butterfly Valve with hand lever)

Product features

- Single chamber type in compact design ensuring easy assembly and low space requirements; highly reliable function and low maintenance.
- Tamper resistant due to special strainer and bonnet design.
- Economic solution due to a venting system with three functions:
 - Large orifice to admission of high quantities of air during draining the pipeline,
 - large orifice to release high quantities of air during filling the pipeline,
 - small orifice to release low quantities of air during operation under pressure.
- Guaranteed air discharge even at high air velocities, no interruption of the filling process and high discharge capacity due to the integrated flow guide.
- All parts in touch with the medium are made to KTW and DVGW W 270 requirements, avoids bacterial contamination.
- All internal parts are made of corrosion proof materials to ensure long life of the valve.

VAG TWINJET® Automatic Air Valve



Technical details

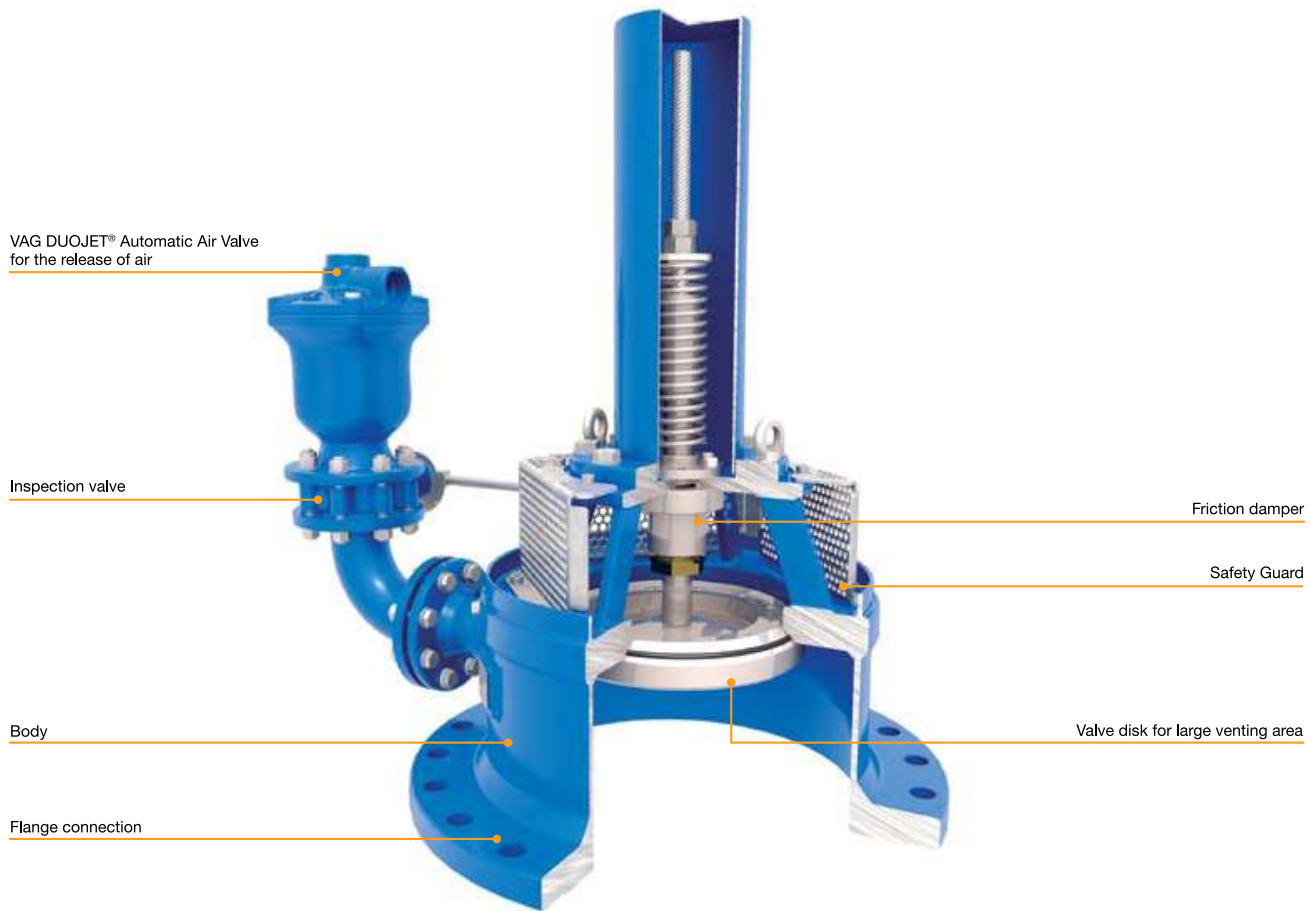
- Nominal pressures PN 10 / 16 / 25
- Nominal diameters DN 50...300
- Fields of application: Installation in pits, on pipelines, in plants, suitable for drinking water up to 50 °C
- Standard version: Body and bonnet made of ductile iron EN-GJS-400-15 (GGG-40), inner parts and float made of plastic (exception: float of DN 250 and DN 300 made of stainless steel grade 1.4571), outlet with parallel female thread to DIN ISO 228
- Minimum pressure required for sealing 0.3 bar
- Epoxy coating according to GSK quality specifications
- Special versions:
 - VAG TWINJET®-S Automatic Air Valve with integrated shut-off valve VAG CEREX® 300-L Butterfly valve with hand lever

Product features

- Double-chamber valve with compact design ensuring easy assembly, low space requirements, highly reliable function and low maintenance.
- Economic solution due to a venting system with three functions:
 - Venting,
 - Air release,
 - Automatic air release during operation.
- High discharge capacity for large amounts of air possible by special design with air diverter plate.
- Version VAG TWINJET®-S Automatic Air Valve with integrated butterfly valve allows dismantling the valve from the pipeline without interruption of operation.
- Easy maintenance due to lateral pressure relief plug.
- With lifting eye for easy installation of the valve.



VAG Spring Loaded Air Valve



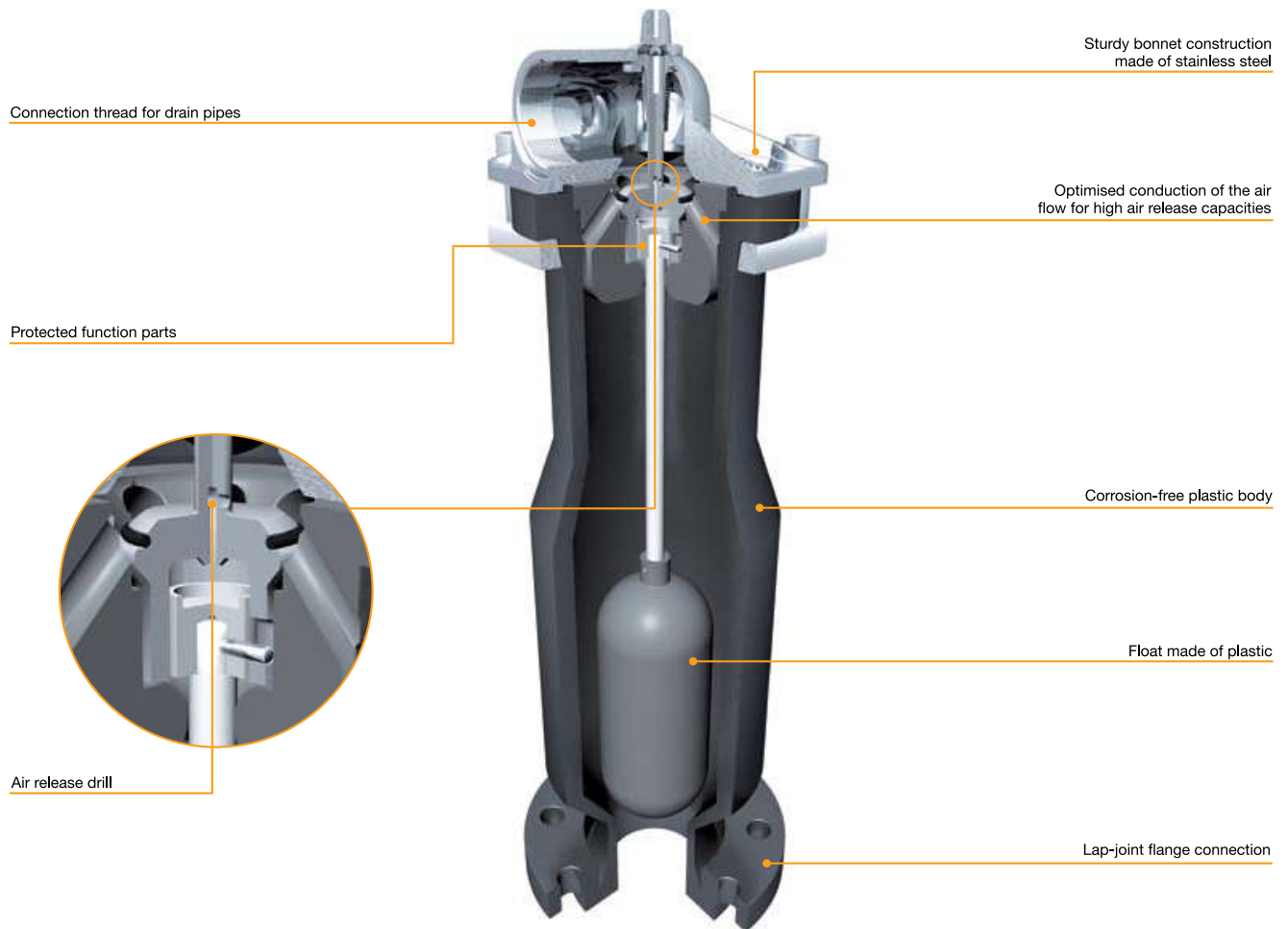
Technical details

- Nominal pressures PN 10 / 16 / 25
- Nominal diameters DN 300...800
- Fields of application: bottom outlets of dams, long-distance pipelines or downstream of large butterfly valves
- Standard version: Body and bonnet made of welded steel S235JRG2, inner parts and stem made of stainless steel grade 1.4301, body of the VAG DUOJET® Automatic Air Valve and the inspection valve made of ductile iron EN-GJS-400-15 (GGG-40), with flange connection to EN 1092-2
- Minimum pressure required to seal the venting areas 0.3 bar
- With VAG DUOJET® Automatic Air Valve arranged on the side and upstream inspection valve (VAG CEREX® 300 Butterfly Valve)
- Inside and outside epoxy coating
- Special versions:
 - Larger nominal diameters available upon request

Product features

- Air valve with triple function:
 - Large disk cross-section to vent large amounts of air in case of quick shut-down, quick drainage or pipe bursts
 - Medium-sized cross-section to release air while the pipeline is being filled (VAG DUOJET® Automatic Air Valve)
 - Small cross-section to release small amounts of air during operation (VAG DUOJET® Automatic Air Valve).
- Very high venting capacity for large amounts of air with attached VAG DUOJET® Automatic Air Valve for air release during operation.
- Friction damper to dampen the closing movement and thus reduce pressure surges.
- Safety guard for the protection of people.

VAG FLOWJET® PE Automatic Air Valve



Technical details

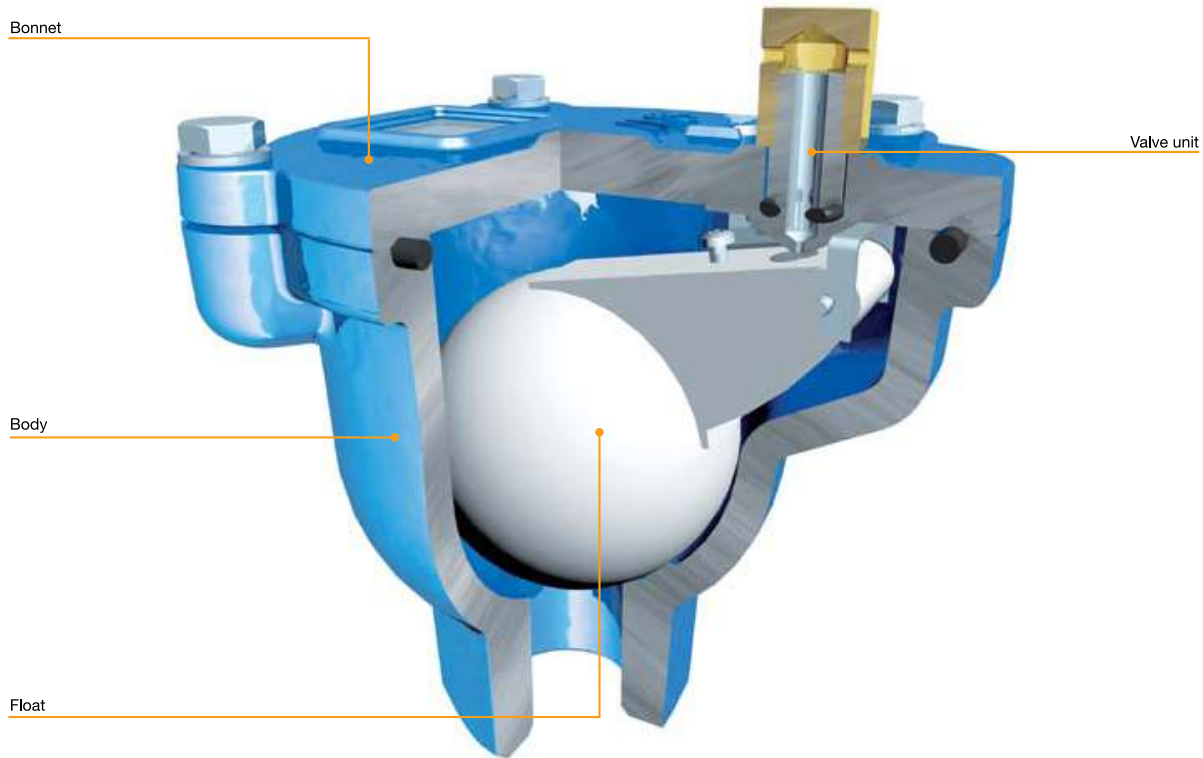
- Nominal pressures PN 10 / 16
- Nominal diameters DN 50...200
- Fields of application: installation in pits, on pipelines, in plants
- Standard version: Body made of polyethylene 100, bonnet made of stainless steel grade 1.4308, float made of polyethylene 100, lap-joint flange made of steel with PP coat; with flange connection to EN 1092-2, single-chamber valve in compact design, outlet with parallel female thread to DIN ISO 228 G 1 ¼", G 2 ½"
- Special versions:
 - For flange dimensions to ANSI
 - Higher temperatures possible at reduced pressure
 - With venting block
 - With air release lock for purging with compressed air

Product features

- Economic solution ensured by a venting system with three functions:
 - Venting,
 - Air release,
 - Automatic air release during operation.
- Easy cleaning of the inside ensured by incrustation- and corrosion-free PE plastic body, which makes maintenance fast and easy.
- Easy handling thanks to low weight.
- Maintenance-friendly as all inner function parts can be removed together from above.
- Low overall height due to specially designed upper part.
- Optimised air-flow conduction in the upper part ensures high air-release capacities.
- The moving functional parts of the valve are located inside the upper part of the valve where they are protected from dirty water. This ensures high reliability of function.
- Variable installation position due to lap-joint flange connection.
- Frost-proof due to flexible plastic body.



VAG BEV-E Automatic Air Valve



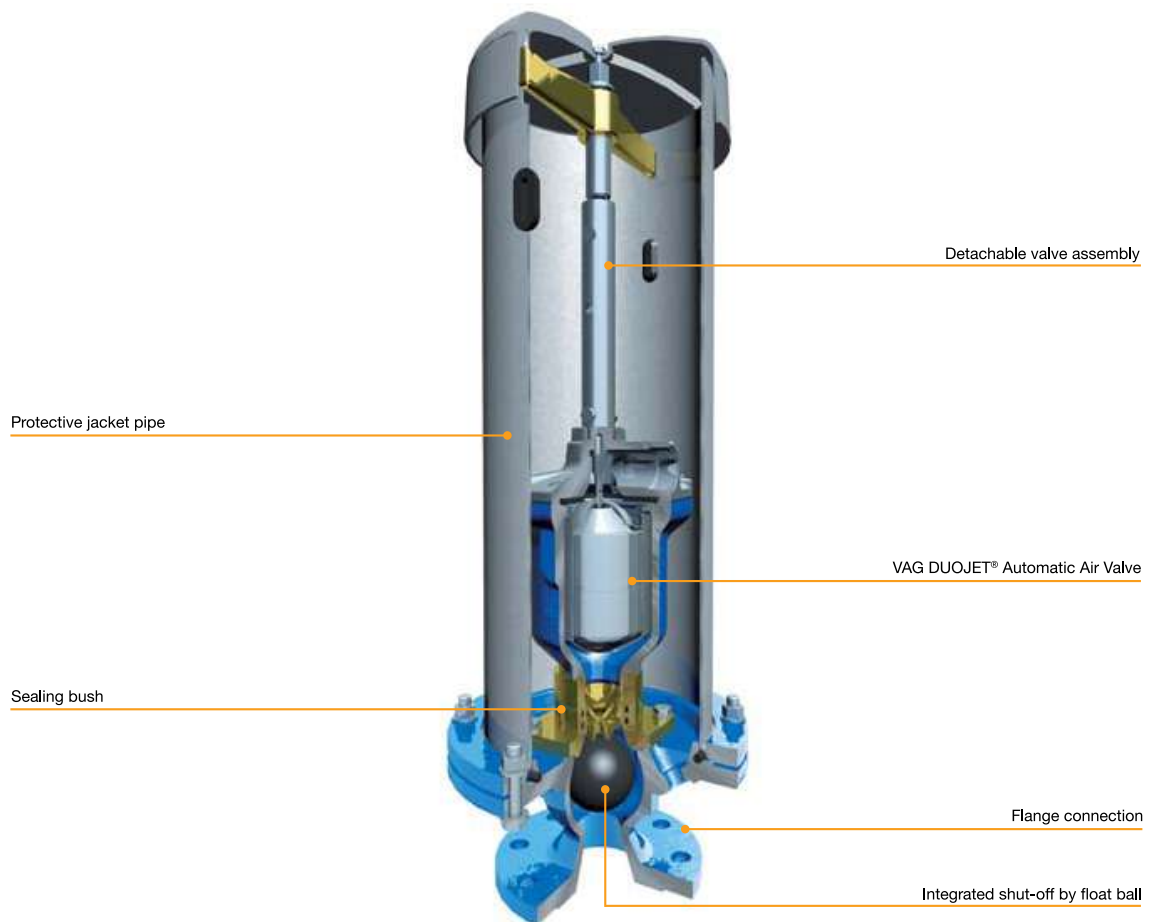
Technical details

- Nominal pressures PN 16 / 25
- Fields of application: Installation in pits, installation in plants, for domestic water supply pipelines
- Standard version: Body and bonnet made of ductile iron EN-GJS-400-15 (GGG-40), float made of plastic, with thread for easy direct connection to the pipeline; single-chamber valve in compact design; outlet with parallel female thread to DIN ISO 228 G 3/4", G 1", G 1 1/4"
- Inside and outside epoxy coating according to GSK quality specifications
- Special versions:
 - With ball valve for isolation

Product features

- Air valve with double function
 - Small venting cross-section to release small amounts of air during operation,
 - Medium air release capacity for small amounts of air.
- Compact design ensuring easy assembly, low space requirements, highly reliable function and low maintenance.

VAG BEV Venting Set



Technical details

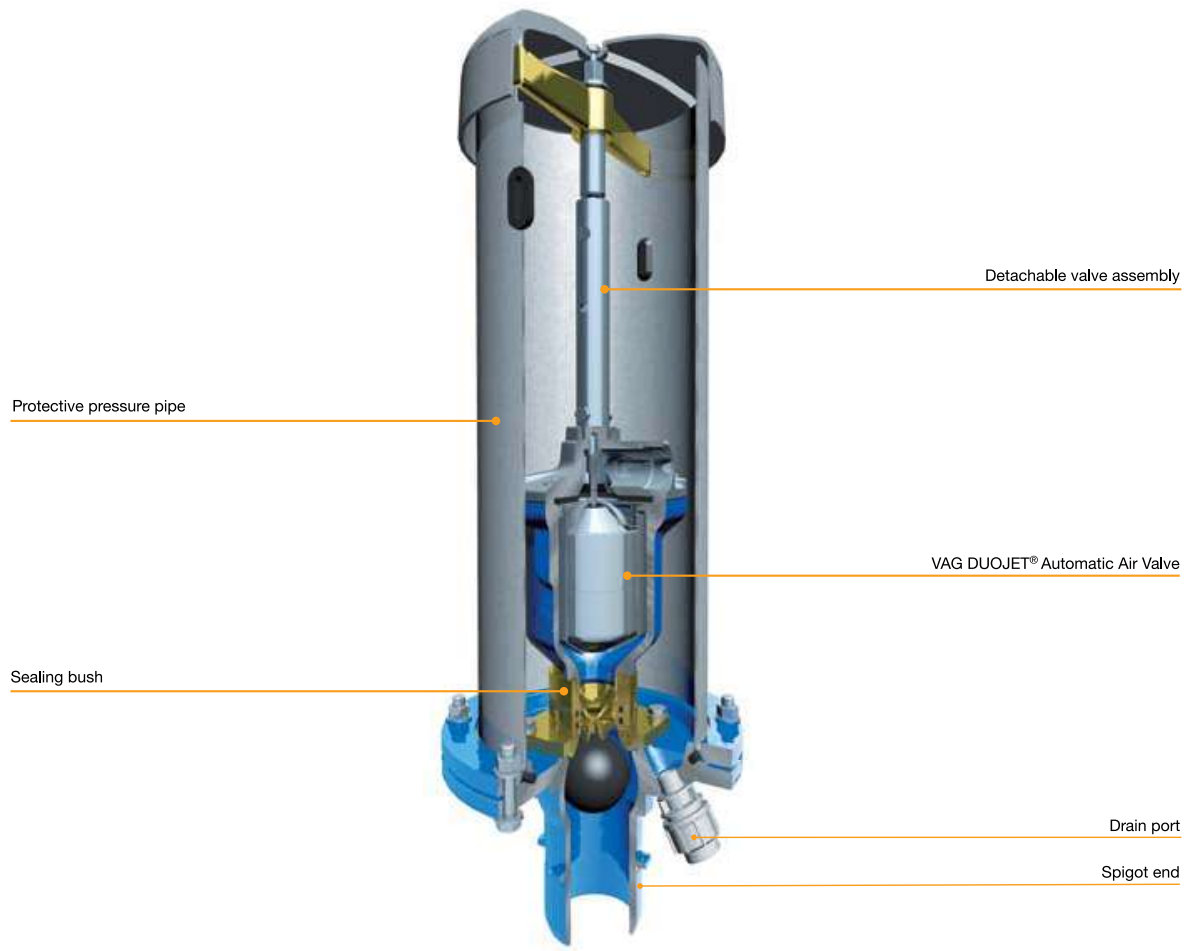
- Nominal pressure PN 16
- Nominal diameter DN 80
- Fields of application: buried installation, suitable for drinking water up to 50° C
- Standard version: Body of the VAG DUOJET® Automatic Air Valve made of ductile iron EN-GJS-400-15 (GGG-40), protective jacket pipe made of stainless steel grade 1.4541; bonnet of protective jacket pipe made of corrosion-resistant aluminium alloy, float made of plastic, with flange connection to EN 1092-2
- Minimum pressure required for sealing the venting areas 0.3 bar
- With VAG DUOJET® Automatic Air Valve DN 50 / PN 16 and DN 80 / PN 16
- Ductile iron parts epoxy coated on inside and outside
- Special versions:
 - Special seal for pressures from 0.1 to 1 bar
 - With spigot-end connection for the VAG BAIO®*plus* system

Product features

- Economic solution due to a venting system with three functions:
 - Venting,
 - Air release (high discharge capacity),
 - Automatic air release during operation.
- The protective jacket pipe takes over the function of the pit, which eliminates the necessity of investments on site.
- The sturdy, rust-proof unit allows direct buried installation (above-ground or underground installation in a special surface box), which considerably reduces installation costs.
- Jacket pipe can be shortened by 100 mm on site, which ensures flexible adaptation to the installation height.
- Automatic shut-off towards the pipeline via rubber coated ball. This ensures the reliable and automatic shut-off when the valve is dismantled.
- The screwed fitting serving as drain port allows the discharge of splashed water directly into a suitable drainage pit or via a drain hose.



VAG BAIO® BEV Venting Set



Technical details

- Nominal pressures PN 10 / 16
- Nominal diameter DN 80
- Field of application: Water
- Standard version: Inner parts made of stainless steel grade 1.4571, float made of plastic, seal made of EPDM, body of the VAG DUOJET® Automatic Air Valve made of ductile iron EN-GJS-400-15 (GGG-40), protective jacket pipe made of stainless steel grade 1.4541, bonnet of the protective jacket pipe made of corrosion-resistant aluminium alloy
- All ductile-iron parts epoxy coated
- Minimum pressure required to seal the venting cross-sections 0.3 bar

Product features

- With spigot-end connection for connection with VAG BAIO®*plus* system components.
- Single-chamber type in compact design.
- High release capacity for large amounts of air.
- Air valve with triple function:
 - Large venting cross-section to vent large amounts of air while the pipeline is being emptied,
 - Large venting cross-section to release large amounts of air while the pipeline is being filled,
 - Small venting cross-section to release small amounts of air during operation.
- Corrosion resistant due to boltless connection.
- Pull-out proof due to positive and friction-locked connection.
- Short assembly times due to small number of components and easy assembly or disassembly.
- Tension-free laying due to +/- 3° incline to compensate earth movements.

Notes



Reference projects

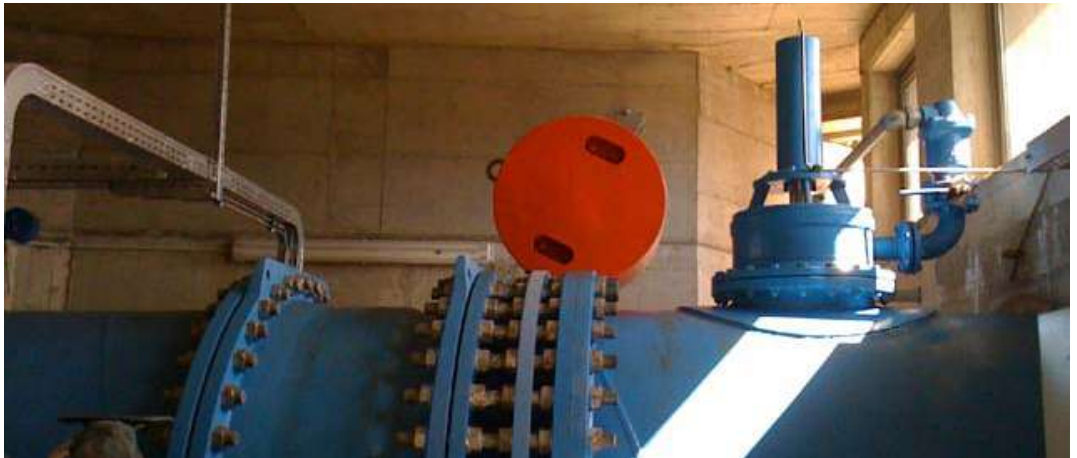
Shuidonggou coal-fired power plant,
China

VAG DUOJET® Automatic Air Valves



FENESTRELLE HEP, Italy

VAG Spring-Loaded Air Valve



KARADUVAR Wastewater treatment
plant, Italy

VAG FLOWJET® PE Automatic
Air Valves



Johannesburg Water
Parktown Reservoir, South Africa

VAG DUOJET® Automatic Air Valve



Edition 2 20-04-2016



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

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