WE GUARANTEE SAFETY STANDARDS ARE MET
SO CAN YOU

LET'S TAKE SAFETY TO THE HIGHEST LEVEL

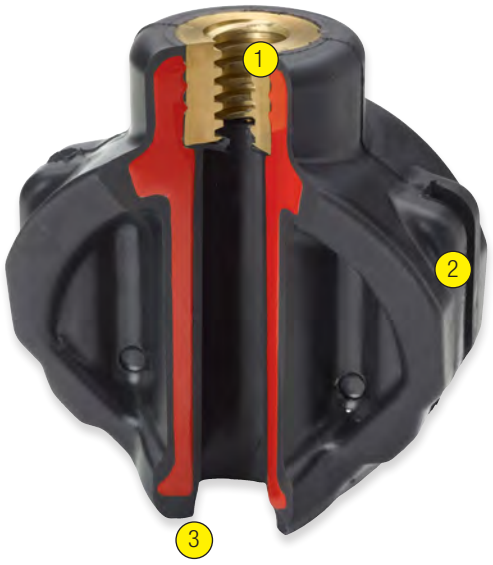
Leaks can be fatal. However, our strict quality control processes ensure reliable products that not only meet, but also exceed, the highest safety standards. All AVK valves are manufactured in our own state-of-the-art factories and thorough tests are carried out to safeguard the traceability, durability and operational reliability of our products.

For more than 40 years, AVK has successfully met the safety demands of natural gas companies. We have built a complete range of valves and accessories, and hold quality approvals of our gas valves from the leading national and international testing institutes.

Our quality management system is certified according to ISO 9001 as well as ISO 29001, the industry-specific standard for the oil and gas industry. Moreover, we are certified to the ISO 14001 standard for environmental management, the ISO 50001 standard for energy management, and the ISO 45001 standard for occupational health and safety.

Our products are renowned for their high quality, durability, and trouble-free performance, and are supported by long warranties and technical support throughout their lifetime. With representation in most markets and manufacturing facilities around the world, we ensure local commitment, easy accessibility, and reliable customer service wherever we operate.

THE UNIQUE WEDGE IS THE HEART OF OUR GATE VALVES



Unique features and benefits:

- Fixed, integral wedge nut prevents corrosion (1).
- Double bonding vulcanisation process ensures maximum adhesion of the rubber.
- Guide rails with integrated wedge shoes ensure low friction and smooth operation (2).
- Rubber vulcanised to the core with min. 1.5 mm on all pressure bearing surfaces and 4 mm on all sealing surfaces gives optimum corrosion protection.
- Large rubber volume in the sealing area provides optimum sealing (3).
- AVK's own rubber compound features an outstanding compression set ensuring tight sealing even after having been compressed numerous times.

Fixed wedge nut and integrated wedge shoes

AVK's wedge nut design with a fixed, integral wedge nut outperforms the traditional loose wedge nut design as it prevents vibration and thus also corrosion and malfunction.

The fixed wedge nut, combined with the guide rails with integrated wedge shoes, secure a smooth operation of the valve and low operating torques. The wedge shoes protect the rubber against wear which otherwise would arise caused by the friction during operation.

State-of-the-art rubber technology
AVK GUMMI A/S develops and manufactures the rubber compound for wedges and gaskets using highly advanced technologies.

Data is collected throughout the entire manufacturing process which secures traceability of every single ingredient, compound and final component. AVK performs a number of tests to ensure that the compression set values, the adhesion and the tensile strength meet the predefined requirements. Our NBR compound is approved according to EN 682.

Efficient bonding is the key to durability
The wedge core is immersed in two different baths to provide ultimate bonding between core and rubber. Even if a sharp object penetrates the rubber during closing of the valve, the bonding is so strong that there is no risk of creeping corrosion. As a result, we can offer the best possible rubber adhesion and corrosion protection of the wedge.

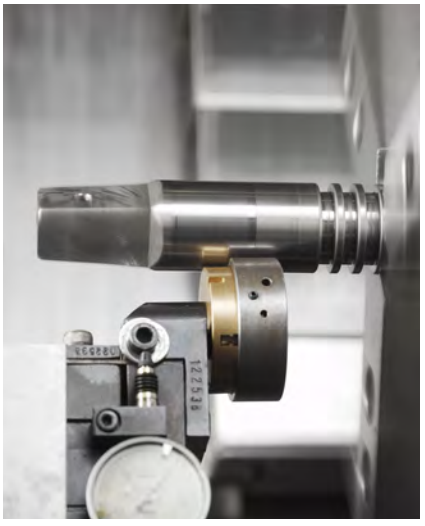
Excellent ability to regain original shape
AVK GUMMI A/S has a profound knowledge of a rubber's compression set, meaning its ability to regain original shape.

Even after many years of service where the wedge rubber has been compressed numerous times, the rubber will regain its original shape and ensure a tight sealing. Impurities will not affect the rubber surface or the tightness of the valve, as the impurities will be absorbed in the rubber when the valve is in closed position.

HIGH STRENGTH STEM PROVIDING LOW OPERATING TORQUES

Polished stems with rolled threads
The stem threads (1) are rolled in a cold pressing process which maintains the steel structure and therefore increases the strength of the stem. This method also ensures a smooth thread surface that gives low operating torques and prolonged durability. Finally, we polish the stems to provide a completely even interface (2) between the stem and the stem nut without risk of leakages.

Wedge stop for extra safety
The stainless steel stems are designed with a wedge stop (3) providing a firm stop against the wedge nut when opening the valve. This prevents the wedge from compressing the stem seals and from damaging the coating inside the bonnet resulting in prolonged durability of the valve.



ADVANCED CORROSION PROTECTION

Internal and external epoxy coating
All castings are blast cleaned according to ISO 12944-4. Any unevenness of the product surface is cleaned to provide perfect adhesion of the coating.

The epoxy is applied in a closed booth, either manually or in our automatic fluidised bed system, where the powder melts and cures in contact with the preheated component.

Thorough control measures are applied to ensure optimum corrosion protection in accordance with DIN 3476 part 1, EN 14901 and GSK guidelines.

Thorough tests of the epoxy coating
We check each batch of epoxy coated components to ensure a layer thickness of minimum 250 µm and a pore-free surface.

The coating must be completely free of penetrating pores to avoid subsequent corrosion of the casting underneath. A 3000 V holiday detector with a brush electrode is used to electrically reveal and locate any pores in the coating. The PUR coating can also give an additional protection of a valve when installed in aggressive soils.

The impact resistance test is carried out by means of a stainless steel cylinder dropped on the coating surface through a one meter long tube corresponding to an impact energy of 5 Nm. After each impact the component is electrically tested, and no electrical break-through shall occur.

The curing of the epoxy coating is checked in a cross linkage (MIBK) test, where one drop of methyl isobutyl ketone is put on a horizontal epoxy coated surface of a test piece. After 30 seconds the test area is wiped with a clean white cloth. It is checked that the test surface has not become neither matt nor smeared, and that the cloth remains clean.

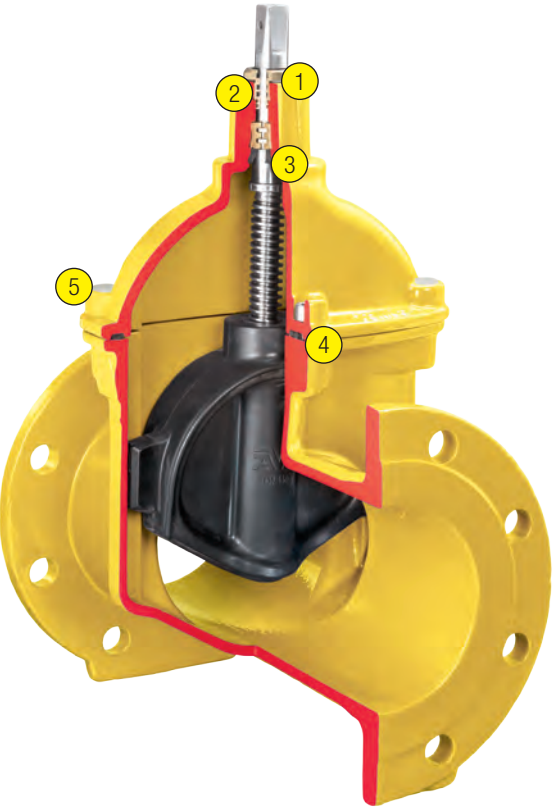
Galvanic corrosion prevention
For more than 30 years, we have offered a highly resistant polyurethane (PUR) coating as an option for our gas valves.

Polyurethane gives outstanding protection of the valve against galvanic corrosion, shielding the valve completely from its surroundings, and in addition, polyurethane eliminates any risk that electrical currents will penetrate the valve. PUR coating can also give additional protection of a valve installed in aggressive soils.

The polyurethane coating is quality tested according to EN10290 type 2, class B. This means that the dried coating layer will always have a minimum thickness of 1500µ (1.5 mm). After curing, the PUR coating of every single valve is checked for holidays at 20 kV (20,000 volts). The coating is only approved if no pinholes are detected.

The photo above shows a fully functional PUR coated AVK valve produced in 1989 that has been excavated after 21 years of operation. The valve had to be opened by an angle grinder due to the robustness of the coating, and the valve was still in perfect condition.

NO COMPROMISE ON TIGHTNESS AND TRACEABILITY



Triple safety in the stem sealing system
An NBR wiper ring (1) protects against impurities from the outside. Tightness and low friction are provided by four NBR O-rings in a stem seal nut (2), which is replaceable under pressure. An NBR lip seal (3) is the main seal to the flow and prevents leakage in the rare case that the stem seal nut needs to be replaced.

Tight assembly of valve body and bonnet
An NBR bonnet gasket (4) fits into a recess between the valve body and the bonnet. The stainless steel bonnet bolts (5) are encircled by the bonnet gasket, countersunk in the bonnet and finally sealed with hot melt to prevent corrosion.

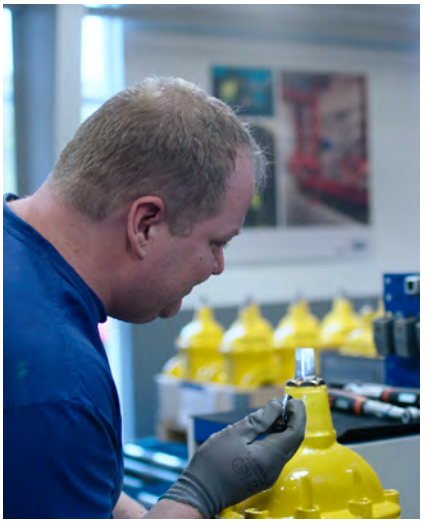
Full bore prevents pressure loss
A full bore with the same nominal diameter as the pipeline ensures minimum pressure loss, as the valve does not cause any reduction in the flow path.

100% pressure test and traceability
Every single valve is pressure tested to DIN 3230-5, PG 3 / EN 13774 before leaving the factory.

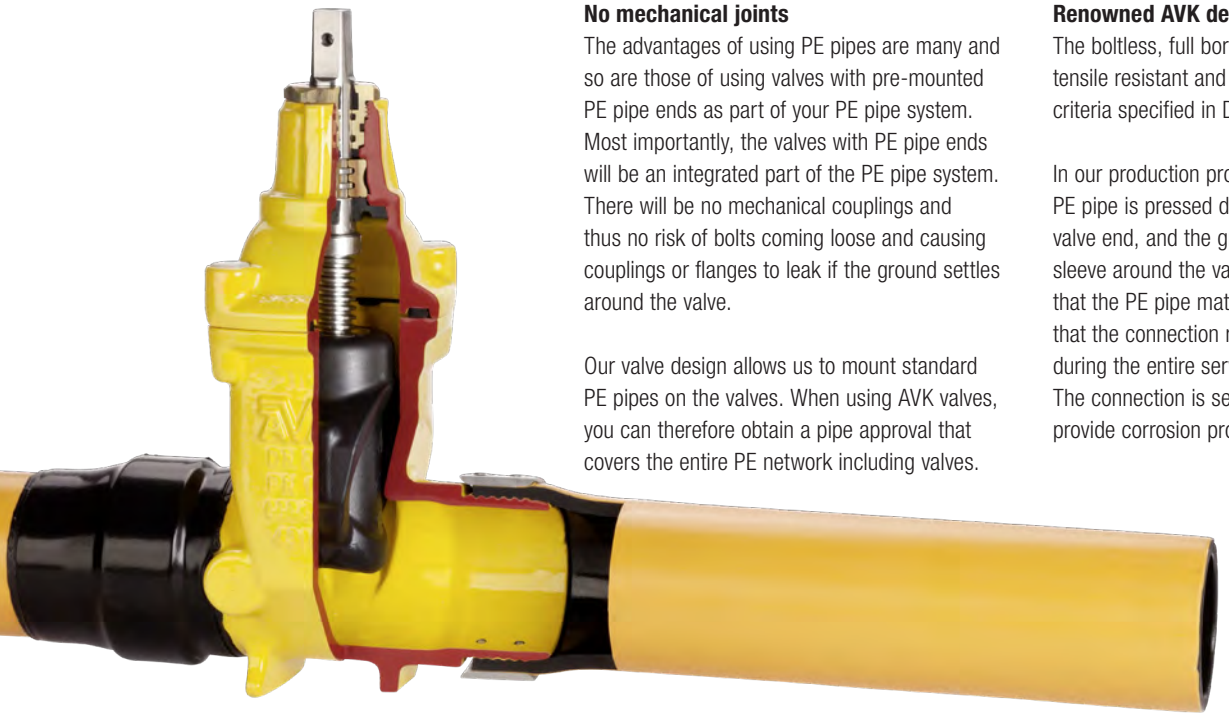
In open position:
1.5 x with water
0.5 bar with air
1.1 x with air

In closed position:
0.5 bar and 1.1 x with air, from both sides

When the valve has successfully passed the pressure test, the serial number is stamped on the valve stem and noted in the pressure test report for documentation.



GATE VALVES WITH PE ENDS FOR A STRONG CONNECTION



No mechanical joints

The advantages of using PE pipes are many and so are those of using valves with pre-mounted PE pipe ends as part of your PE pipe system. Most importantly, the valves with PE pipe ends will be an integrated part of the PE pipe system. There will be no mechanical couplings and thus no risk of bolts coming loose and causing couplings or flanges to leak if the ground settles around the valve.

Our valve design allows us to mount standard PE pipes on the valves. When using AVK valves, you can therefore obtain a pipe approval that covers the entire PE network including valves.

Renowned AVK design

The boltless, full bore PE end connection is fully tensile resistant and designed to meet all the criteria specified in DVGW G5600-1.

In our production process a piece of standard PE pipe is pressed directly onto the grooved valve end, and the grooves combined with a sleeve around the valve/pipe connection ensure that the PE pipe material is firmly secured and that the connection remains tight and tensile during the entire service life of the pipeline. The connection is sealed with a shrink hose to provide corrosion protection.

A NATURAL PART OF A FULLY WELDED PE NETWORK

Get all the benefits
With a fully welded PE pipe system including valves, you get all the installation benefits of PE pipes. PE pipes are flexible and follow the terrain, so there is no need to level the soil in the trench. PE pipes are easy to handle and are typically welded above ground for easy installation. With AVK gate valves with PE ends, the same welding parameters can be used throughout the entire network, since standard PE pipes are mounted on the valves. Thanks to the extra-long PE ends of the valves, there is even room for an extra weld, if needed.

Direct welding into PE pipes
AVK gate valves with PE ends enable direct welding into PE pipes by using socket fusion or butt welding. The full, straight bore ensures minimum pressure loss and makes under pressure drilling possible.

The valves are available with PE X PE connection in DN80-400, with flange X PE connection in DN50-200 and with steel spigot end X PE connection in DN 50-300.

Foundation provides stability
Valves in DN50-100 can be equipped with a foundation that secures the stability of the valve and prevents opening or closing torques from being transferred to the PE pipe. The foundation is made of hot-galvanised steel and includes two plastic straps for fixation of the valve.

GATE VALVES FOR WELDING INTO LOW PRESSURE STEEL PIPES

Complete range up to DN600

AVK gate valves with steel spigot ends are available in DN50 to 600. We offer two different face-to-face dimensions both offering easy access to the welding ends, and optionally with ISO top flange prepared for mounting of electric actuator. The low weight facilitates easy handling of the valves on site. The valves are made of cast steel GP240GH with welding ends according to DIN 3239 part 1. The welding process is performed by certified welders.

The welds undergo non-destructive X-ray testing, which means that the valves comply in full with the requirements of PED (Pressure Equipment Directive) 2014/68/EU.

All tests are carried out by a certified inspection company. The examination procedure is according to EN ISO 17636-1, and the acceptance criteria according to EN ISO 10675-1.

Gate valve with up- and downstream purge points

FLANGED AND SERVICE CONNECTION VALVES COMPLETE THE RANGE

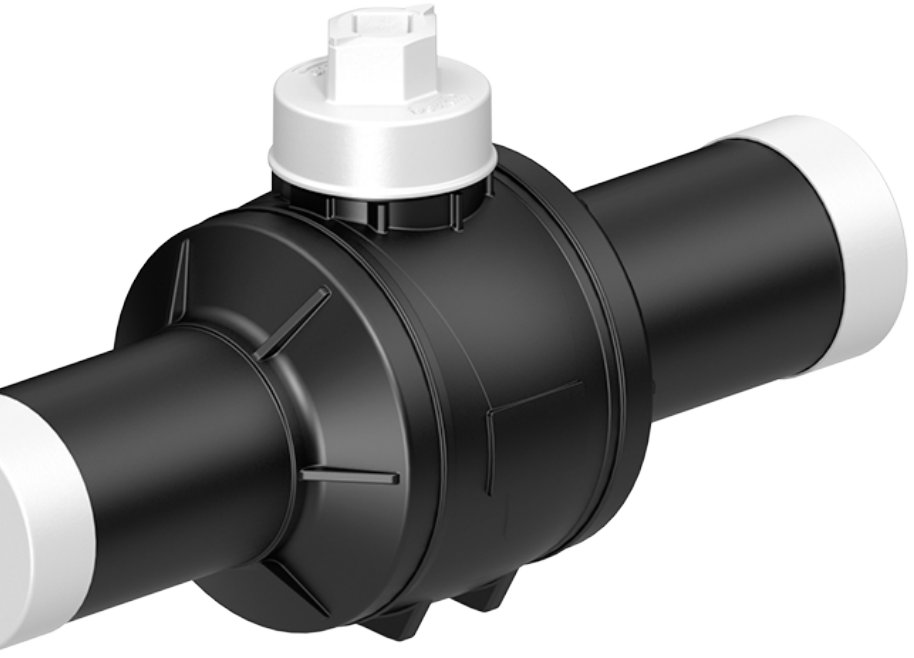
Service connection valves
AVK service connection valves feature the same basic construction as the main-line gate valves except for the wedge design. The wedge core is made of dezincification resistant brass which is vulcanised with NBR rubber externally. The wedge is shaped with wedge guides, and a patented rubber profile ensures low closing torques.

AVK service connection valves are available with internal thread and with PE ends for welding into PE pipes.

Flanged gate valves
Flanged gate valves can be used for almost any application. AVK flanged gate valves are available in two different face-to-face dimensions and with standard bonnet, ISO flange bonnet or with position indicator:

- Long, according to EN 558 table 2 basic series 15 (DIN F5), DN40-500
- Long, with position indicator, DN400-500
- Short, according to EN 558 table 2 basic series 14 (DIN F4), DN40-600
- Short, prepared for actuator with ISO top flange, DN50-400
- Short, with position indicator, DN50-400

PE BALL VALVES FOR LOW PRESSURE APPLICATIONS



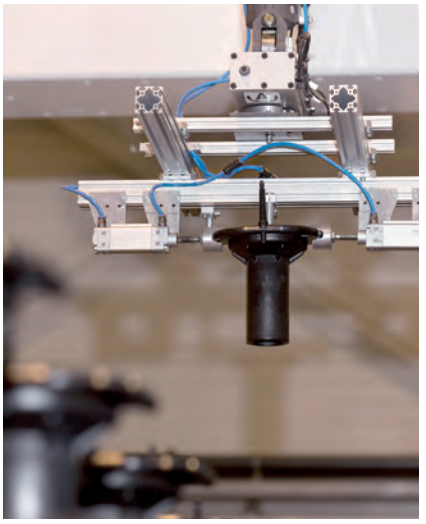
Valve range
AVK CERTUS PE ball valves are available from OD20 up to OD180 mm. Depending on the requested pressure rating the valves are available with SDR11 or SDR17.6 spigot ends.

Full traceability
AVK PE ball valves are produced with state-of-the-art machinery to guarantee a consistent high quality. We are able to trace components throughout the manufacturing process from initial injection moulding over machining and welding to final batch release test. Every valve is given a unique serial number which can be traced back to the raw polyethylene material.

Approvals and type testing
CERTUS valves are fully type tested at an external worldwide reputable laboratory. The valves meet all requirements in EN1555-4, ISO4437-4, GIS/V7-2 and EN12201-4.

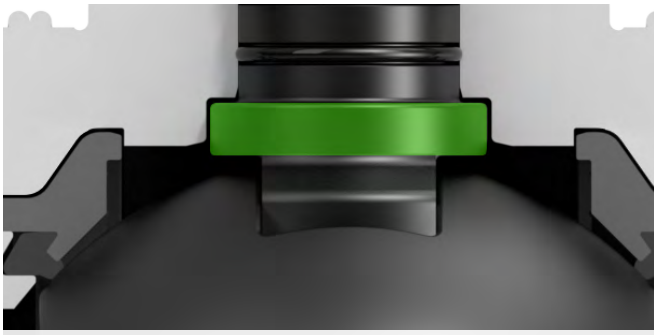
During type testing, the valves are not only submitted to various long and short term leaktightness checks, but also to rigorous pulling, bending and thermal cycling tests. The operating mechanism and top cap can withstand high torques at extreme temperatures.

Full bore
Body and spigots are made of high performance PE100, and the valves can be welded to all PE100 and PE80 pipes. A full bore ensures a low pressure drop and greater flow through the valve at the same pressure. The large bore also allows for pigging of pipes.



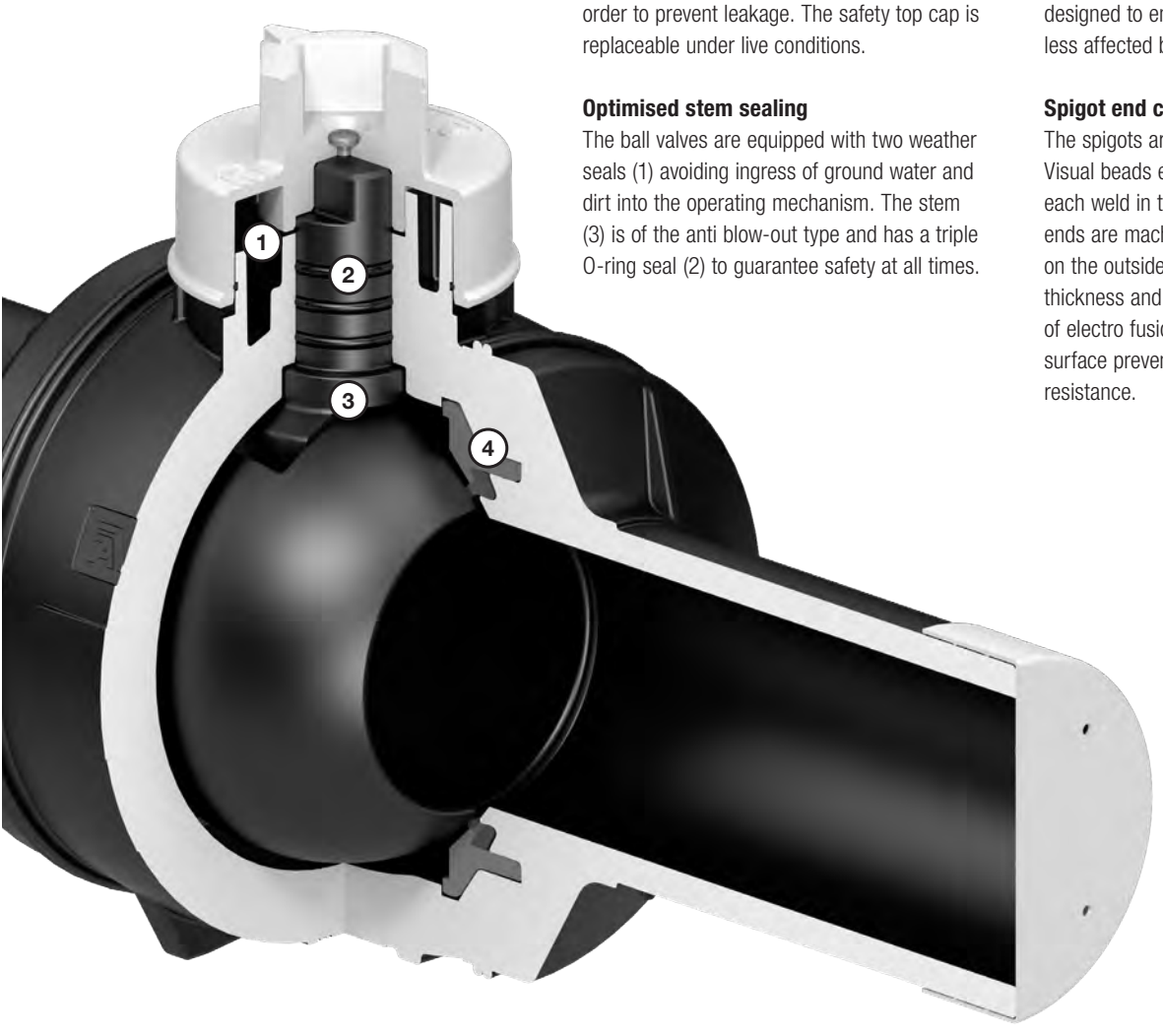
(1) If the valve is over torqued, the top cap is designed to fail before the valve seals fail, thus preventing leaks. The safety top cap can be replaced easily under live conditions.

(2) Triple O-ring construction around the stem guaranteeing sealing safety



(3) The intentionally over-designed stem is extremely strong and of the anti blow-out type.

(4) The seat retainer design ensures the ball seat is kept in place. It prevents the ball seat from being dislodged, which guarantees a good functionality throughout the years.



Safety top cap prevents leaks
If the valve is over torqued during opening or closing, the top cap is, as a safety feature, designed to fail before the valve seals fail in order to prevent leakage. The safety top cap is replaceable under live conditions.

Optimised stem sealing
The ball valves are equipped with two weather seals (1) avoiding ingress of ground water and dirt into the operating mechanism. The stem (3) is of the anti blow-out type and has a triple O-ring seal (2) to guarantee safety at all times.

Sealing at all times
The seat retainer design (4) ensures that the ball seat is kept in place. The floating ball principle and special shaped ball seats are designed to ensure sealing at all times and be less affected by dirt or debris.

Spigot end construction
The spigots are butt welded to the body. Visual beads ensure a high joint quality of each weld in the complete pipeline. The spigot ends are machined on the inside as well as on the outside, guaranteeing a uniform wall thickness and allowing for optimal welding of electro fusion couplers. The smooth inner surface prevents deposits and minimises flow resistance.

BUTTERFLY VALVES FOR ABOVE GROUND INSTALLATIONS

Renowned centric butterfly design
The butterfly valves are produced by Wouter Witzel EuroValve, a well-esteemed company in the AVK Group, and one of very few manufacturers of butterfly valves with fixed liner. The Wouter Witzel butterfly valves are approved by all major authorities such as KIWA, DVGW, SVGW, and WRC.

Cost efficient installation
The compact lightweight construction saves space and makes the valves easy to handle. The streamlined disc shape ensures minimum turbulence and head loss. Furthermore, the low torques facilitate the operation of the valves allowing the use of smaller and less expensive actuators.

Outstanding seating concept
The rubber is injection moulded directly on the valve body forming a permanent bond with an optimal rubber shore hardness. Consequently, there is no risk of deformation or dislocation of the liner making the valves suitable under vacuum conditions.

The disc has a profiled sealing edge which requires minimal deformation of the liner to achieve a tight sealing. This gives less wear of the liner and low operating torques. Therefore, the butterfly valves are the ultimate choice for applications with high operation frequency.

REPAIR CLAMPS FOR QUICK REPAIR OF LEAKAGES

Cost-effective repair
Our stainless steel repair clamps are used worldwide for repair of leakages and ruptures in pipe systems. The design ensures a cost-effective and reliable solution for quick repairs of steel, copper, asbestos cement, cast iron and plastic pipes. Repair clamps may be used for permanent repair of punctures as well as longitudinal and circumferential cracks.

The functional principle of the repair clamp is based on a stainless steel, pre-rolled plate which is clamped around the pipe and fastened with lugs and nuts. After welding, the clamp will be completely pickled and passivated in order to ensure corrosion resistance. AVK repair clamps are provided with a waffle structured rubber gasket and rounded tops to create a fully circumferential seal.

Complete range of stainless steel clamps
The range includes a single band clamp with diameters ranging from 48-52 mm to 350-360 mm, a double band clamp ranging from 88-110 mm to 590-610 mm, and a triple band clamp ranging from 270-300 mm to 810-840 mm. Other dimensions are available upon request.

The clamps are available with or without BSP thread, in lengths of 100-900 mm with intervals of 100 mm, and in stainless steel AISI 304 or AISI 316. They are designed with NBR rubber lining, teflon coated A2 bolts, and teflon coated A4 nuts. Clamps for DN600 to 2000 pipes are also part of the range.

EXTENSION SPINDLES IN A DURABLE AND USER-FRIENDLY DESIGN

Complete range
Extension spindles are used for easy access to operation of valves installed below ground. AVK extension spindles are produced on fully automated state-of-the-art production equipment to ensure cost efficiency and a uniform quality.

The extension spindles are available in telescopic and fixed length designs for gate valves as well as for service connection valves. Furthermore, they are available in telescopic design for PE ball valves.

The extension spindles are made of corrosion-resistant materials to ensure long service life. The conical key adaptor fits standard T-keys. The bottom cover protects the valve spindle from impurities and enables it to rotate freely.

Fixed length design features easy shortening
The patented AVK design facilitates fast and easy shortening of the extension spindle. The complete adjustment of the length can be done merely by use of a hacksaw. The extension spindles are available with a pipe cover of 800-1000-1500-2000-3000 mm.

Telescopic design facilitates on-site adjustments
The top adaptor is designed with a defrosting hole and with ears that can be fixed into AVK surface boxes and support tiles. A lock spring prevents the telescopic part from collapsing during installation, as it creates friction inside the inner tube.

The blue center sleeve protects against penetration of impurities between the two outer PE pipes.

Telescopic extension spindles with break zone
We also offer variants with break zone in the key adaptor which prevents damage of the valve in cases where too much torque is applied. In such cases the break nut is easily replaced, and the extension spindle can still be operated by means of a #20 socket wrench. Spare part sets are available.

Expanding bolt design facilitates easy height adjustment on fixed length extension spindles.

The top spanner and the inner tube are press fit.

The breakzone prevents damage of the valve.

“Safe-click” for service connections
Both the fixed and the telescopic extension spindles feature our “Safe-click” mounting system providing a secure and fast mounting process on service connection valves.

A quick-mounting clip secures the connection between the stem and the bottom adapter and allows for mounting and demounting without use of tools.

“Safe Click” design

SURFACE BOXES
LIGHTWEIGHT AND MAINTENANCE-FREE

Why choose synthetic surface boxes?

- Lightweight, ensuring safe and easy handling in compliance with Health and Safety Regulations
- Maintenance and corrosion free. Easy access throughout the year; no need to clean or grease the seat to protect against corrosion or frost
- Silent in traffic zones; synthetic material absorbs noises
- 100% recyclable and significantly less use of energy resources compared to the production of cast iron surface boxes
- Heat resistant max. 250°C

Designed for tough conditions

The housing of synthetic surface boxes is made from specially compounded PA+ (polyamide with additives), making the surface box suitable for heavy duty application areas in all seasons and conditions.

The material has high impact resistance at low temperatures and is sufficiently heat resistant for safe installation in tarmac roads. The ribs in the housing ensure optimal fixation in the road foundation.

Height adjustable surface boxes

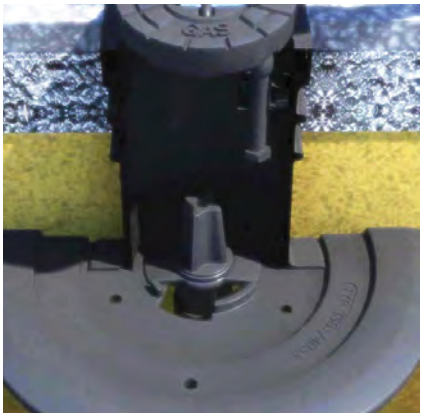
AVK offers a wide range of DIN DVGW approved height adjustable surface boxes specifically designed for tarmac installation. The use of height adjustable surface boxes enables easy and precise installation thanks to flexible positioning of the top part. Height adjustable surface boxes prevent costly correction after installation and save time and money when roads are renovated.

AVK also offers height adjustable surface boxes with reinforced rim, ensuring better support of the top part and making this product even more robust, stable and suitable for heavy duty application areas.

Fixed height surface boxes

Our Classic fixed height surface boxes are DIN DVGW approved and designed to withstand heavy traffic loads. Therefore, they are often used in medium and heavy duty application areas.

Our Futura range is a lightweight and price competitive version and is often used in light to medium duty application areas.



Recognisable synthetic lids
Lids made of synthetic material are corrosion free, unattractive to thieves, more aesthetic (making them highly suitable for shopping areas and city centres) and lightweight, and in compliance with Health and Safety Regulations.

To prevent the lid from being lifted by the suction of a passing vehicle, the reduced weight is compensated for with a locking clip around the bolt. In the event that surface box lids get covered with snow, leafs or soil, AVK offers a solution that makes the surface box easily detectable by means of a ferromagnetic detector.

Support tiles and top frames
Support tiles significantly increase the support required by surface boxes in weak soils. They also prevent telescopic extension spindles from being pushed back.

Top frames protect surface boxes in green zones and improve the visibility of the surface box. Synthetic top frames are lightweight, especially compared to concrete top frames. With a top frame, grass will not overgrow the surface box and combined with a support tile, easy access to valves installed below is guaranteed.

Flexible floating surface boxes
The deflection ability secures optimal fit on sloped surfaces. The internal fixation of telescopic extension spindles enables height adjustment after installation. The large chamber provides easy access for mounting and demounting of the extension spindle, and the closed design protects the extension spindle against impurities.

The surface boxes are available with square or circular surface plates. The body is made of polyamide PA+, and the surface plate and lid are of ductile iron with black primer. The lids are also available with yellow epoxy coating.

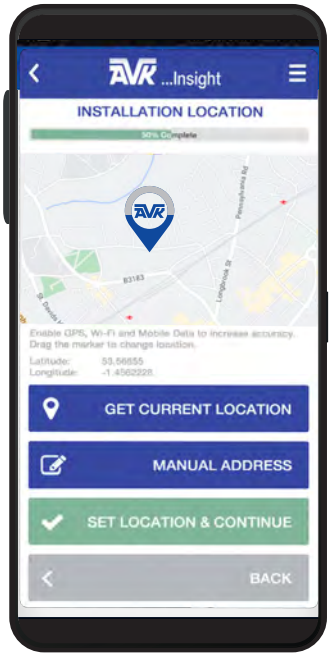
AVK ASSIST APP
TAKE CONTROL OF YOUR CRITICAL ASSETS

AVK Assist is a free app featuring asset management, installation tracking and simplified calculations. It is aimed at water and gas network engineers to help register GPS location of assets, assess the installation quality and simplify technical calculations.

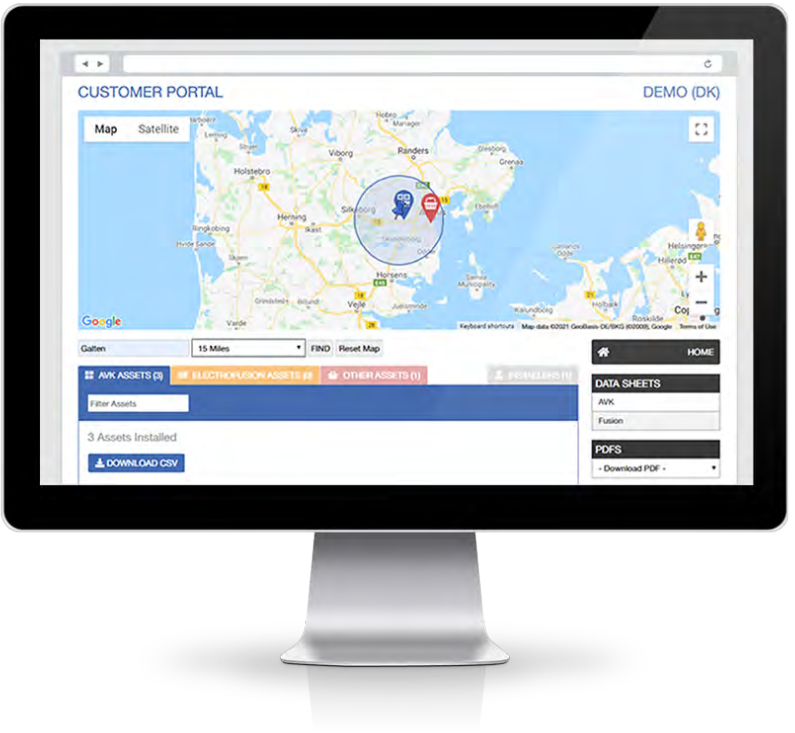
Get full traceability of your assets
AVK Insight is a complete installation tracker and asset management system using a QR code platform to enable full traceability of your assets. Each installed valve has a unique GPS pin location, and when combined with a photo of the installation, it provides a complete, accurate and auditable record of every valve you have installed.

Confidential installation data of ALL assets
The use of AVK Insight is not limited to AVK valves and can be used to track and manage all assets. Installation data is confidential to the customer and can be exported in formats that allow integration with existing mapping systems.

Get free account
To access AVK Insight and the dedicated web portal, an account needs to be created by our technical team. For new account requests, please email assist@avk.dk to set up a free account.

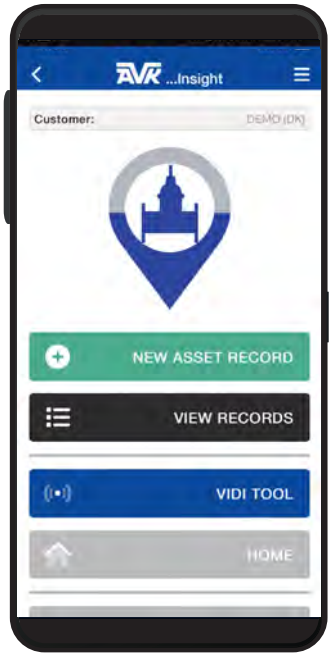


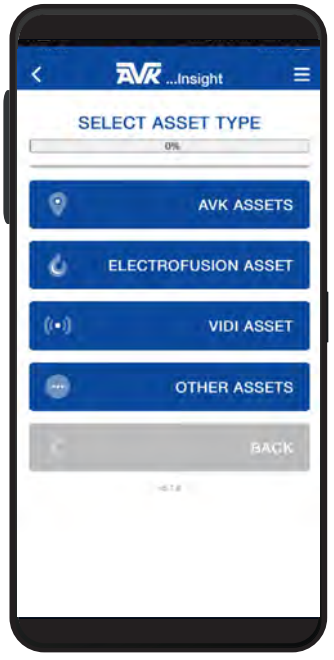
AVK Insight customer portal allows complete control of all aspects of the asset management system.

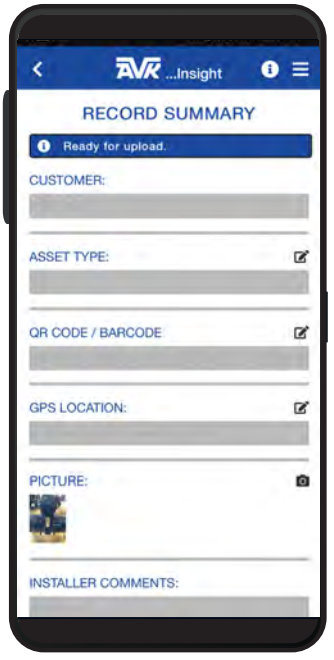


It can be accessed from any device with an internet connection, and users can:

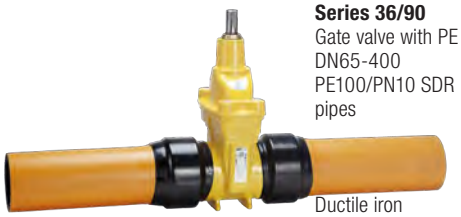
- search on locations to see if any assets are recorded
- get a quick overview of whether assets are from AVK, FUSION or other suppliers
- see valve location on a map and a list of installation details
- view the quality of assets, via photographs
- export data collected using common file formats to integrate into existing mapping (GIS) systems
- create their own users
- add installers
- get access to further information







GATE VALVES



Series 36/90
Gate valve with PE ends
DN65-400
PE100/PN10 SDR 11 pipes

Ductile iron
With external epoxy coating

Options:
• PE100/PN10/4 pipes

Series 36/90
Gate valve with PE ends
DN65-400
PE100/PN10 SDR 11 pipes

Ductile iron
With external PUR coating

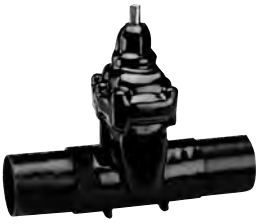
Options:
• ISO top flange

Series 38/90
Gate valve with flange/ PE end
DN50-200
PE100 / PN10 SDR 11 pipe

Ductile iron
With external epoxy coating

Series 46/64
Gate valve with short spigot ends
DN50-300
PN16
GP240GH
With external epoxy coating

Option:
• external PUR coating



Series 46/70
Gate valve with long spigot ends
DN50-600
PN16
GP240GH
With external PUR coating

Option:
• external epoxy coating

Series 46/80
Gate valve with long spigot ends and two purge points
DN80-600
PN16
GP240GH
With external PUR coating

Series 46/78
Gate valve with long spigot ends and ISO top flange
DN50-400
PN16
GP240GH
With external PUR coating

Option:
• external epoxy coating

Series 46/90
Gate valve with steel/PE spigot ends
DN50-300
PN10
GP240GH

External epoxy coating

Options:
• external PUR coating

Series 02/70
Flanged gate valve
Long DIN F5
DN40-500
PN10/16
Ductile iron
With external epoxy coating

Series 06/70
Flanged gate valve
Short DIN F4
DN40-600
PN10/16
Ductile iron
With external epoxy coating

Series 06/59
Flanged gate valve with position indicator
Short DIN F4
DN50-400
PN10/16
Ductile iron
With external epoxy coating

Option:
• long DIN F5, DN400-500

Series 15/78
Flanged gate valve with ISO top flange
Short DIN F4
DN50-400
PN10/16
Ductile iron
With external epoxy coating

Option:
• external PUR coating

SERVICE CONNECTION VALVES, BUTTERFLY VALVES AND BALL VALVES

Series 36/9X
Service connection valve
with PE ends
DN25-50
PE100 / PN10 or 4 pipes

Ductile iron
With external epoxy
coating

Options:
• external PUR coating

Series 03/25
Service connection valve
with internal thread
DN25-50
PN4
Ductile iron
With external epoxy
coating

Series 75/11
Wafer butterfly valve,
centric with fixed liner
DN50-600
PN10/16
Ductile iron

Series 75/31
Semi-lug butterfly valve,
centric with fixed liner
DN50-300
PN10/16
Ductile iron

Options:
• full lug

Series 75/20
Double flanged short
butterfly valve, centric
with fixed liner
DN50-600
PN10/16
Ductile iron

Options:
• double flanged long

Series 85/30
Ball valve with spigot ends
DN25/Ø20 mm -
DN150/Ø180 mm
PN10
PE100

Options:
• lever
• support base

SURFACE BOXES AND SUPPORT TILES

Series 80/31
Surface box for gate valves
Fixed height
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible
- spring around bolt ensuring lid will stay in its place
- lockable version

Series 80/31
Surface box for gate valves
Height adjustable
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible
- spring around bolt ensuring lid will stay in its place
- lockable version
- reinforced rim

Series 80/32
Surface box for service connection valves
Fixed height
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible
- spring around bolt ensuring lid will stay in its place
- lockable version

Series 80/32
Surface box for service connection valves
Height adjustable
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible
- spring around bolt ensuring lid will stay in its place
- lockable version
- reinforced rim

Series 80/33
Surface box for service connection valves, design derived from DIN 4059
Fixed height
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible
- spring around bolt ensuring lid will stay in its place

Series 80/33
Surface box for service connection valves, design derived from DIN 4059
Height adjustable
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible
- spring around bolt ensuring lid will stay in its place
- reinforced rim

Series 80/34
Surface box for gate valves to DIN 3581
Fixed height
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible
- spring around bolt ensuring lid will stay in its place

Series 80/34
Surface box for gate valves, design derived from DIN 3581
Height adjustable
Reinforced rim
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible
- spring around bolt ensuring lid will stay in its place

Series 80/35
Surface box for gate valves to DIN 3582
Fixed height
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible
- lockable version

Series 80/35
Surface box for gate valves to DIN 3582
Height adjustable
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible
- lockable version
- reinforced rim

Series 80/36
Surface box for gate valves to DIN 3583
Fixed height
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible

Series 80/36
Surface box for gate valves to DIN 3583
Height adjustable
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible

SURFACE BOXES AND SUPPORT TILES

Series 80/37
Surface box for gate valves to DIN 3584
Fixed height
Body of HDPE
Lid of cast iron

Options:
- Various colours and lid inscriptions possible

Series 80/39
Surface box for gate valves to DIN 4056
Fixed height
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible
- spring around bolt ensuring lid will stay in its place
- lockable version

Series 80/39
Surface box for gate valves to DIN 4056
Height adjustable
Body of PA+
Lid of cast iron

Options:
- Various colours and lid inscriptions possible
- spring around bolt ensuring lid will stay in its place
- lockable version

Series 80/40
Surface box for gate valves - PERA
Fixed height
Body of HDPE
Lid of cast iron

Options:
- Various colours and lid inscriptions possible

Series 80/42
Surface box for gate valves - PURDIE
Fixed height
Body of HDPE
Lid of cast iron

Options:
- Various colours and lid inscriptions possible

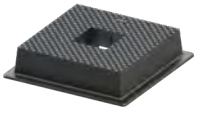
Series 80/46
Support tile type 2 for surface boxes 80/35 for gate valves
HDPE

Options:
- type 3

Series 80/46
Support tile type 4 for surface boxes 80/32 and 80/33 for service connection valves
HDPE

Series 80/46
Support tile type UST 160 for surface boxes 80/31, 80/32,80/33, 80/34, 80/39 and 80/40 for gate valves and service connection valves
HDPE

Options:
- type UST 110
- type UST 125
- type UST FSL
- type UST FSS



Series 80/46
Top frame for surface boxes for gate valves and service connection valves
HDPE

EXTENSION SPINDLES, REPAIR CLAMPS AND GASKETS

Series 04/05
Extension spindle for service connection valves
Fixed length
DN25-50
Pipe cover 800-3000 mm

Series 04/08
Extension spindle for service connection valves
Telescopic
DN25-50
Length 450-700 to 1700-2900 mm

Series 04/02
Extension spindle for gate valves
Fixed length
DN40-400
Pipe cover 800-3000 mm

Series 04/04
Extension spindle for gate valves
Telescopic
DN50-600
Length 450-700 to 2850-5250 mm

Series 04/F
Extension spindle for PE ball valves
Telescopic
DN25-150
Length 450-700 to 2850-5250 mm

Series 748/01
Repair clamp
Single band with support plate
Stainless steel AISI 304 or AISI 316
NBR rubber

Options:
- fingers
- handgrip

Series 748/02
Repair clamp
Single band with support plate
Stainless steel AISI 304 or AISI 316
NBR ubber

Options:
- fingers
- handgrip

Series 748/03
Repair clamp
Triple band with support plate
Stainless steel AISI 304 or AISI 316
NBR or EPDM rubber

Options:
- fingers

Series 79/B
Flange gasket in spear-shape KGS/G II design
NBR rubber
DN40-1200

Options:
- drop-shaped KGS-S design

EXPECT US TO EXCEED MARKET STANDARDS

Inhouse R&D
In our Development Department in Denmark, ideas and suggestions for new products are gathered, and existing products are updated continuously.

We use FEA (Finite Element Analysis) to optimise the strength and geometry of our components and CFD (Computational Fluid Dynamics) analyses to validate different product designs prior to creating physical prototypes, enabling us to predict consequences in cases where it is impossible to create full scale tests on physical products.

We make our own test and production equipment, and in our flow lab, we conduct thorough prototype and life cycle tests prior to release for production. New product types are generally field tested in co-operation with end users before final launch.

Certified according to ISO/TS 29001:2010
ISO 29001 is an industry-specific standard for the oil and gas industry based on ISO 9001, but with stricter requirements for control measures and risk management, in that key issues such as staff training, traceability of materials and obtained test results must be documented.

Moreover, we are certified to the ISO 14001 standard for environmental management, the ISO 50001 standard for energy management, and the ISO 45001 standard for occupational health and safety.

Expect... AVK
In our business there are five cornerstones that must be in place in order to meet customer expectations: Quality, reliability, innovation, sustainability and customer service.

But we need to go further than that. We go further to exceed our customers' needs and expectations.

"Expect... AVK" means that our customers should rightfully expect us to exceed market standards. "Expect... AVK" means that we relentlessly strive for increased customer benefits!

To ensure that we keep pushing the boundaries of what the market can expect, we have formulated promises that we will strive to deliver in all our markets:

EXPECT A LONG-TERM PARTNERSHIP
EXPECT QUALITY IN EVERY STEP
EXPECT LASTING INNOVATIONS
EXPECT TOTAL SAVINGS
EXPECT SOLUTIONS, NOT JUST PRODUCTS
EXPECT GLOBAL LEADERSHIP AND LOCAL COMMITMENT
EXPECT PROMPT RESPONSE
EXPECT IT TO BE EFFECTIVE AND EASY

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