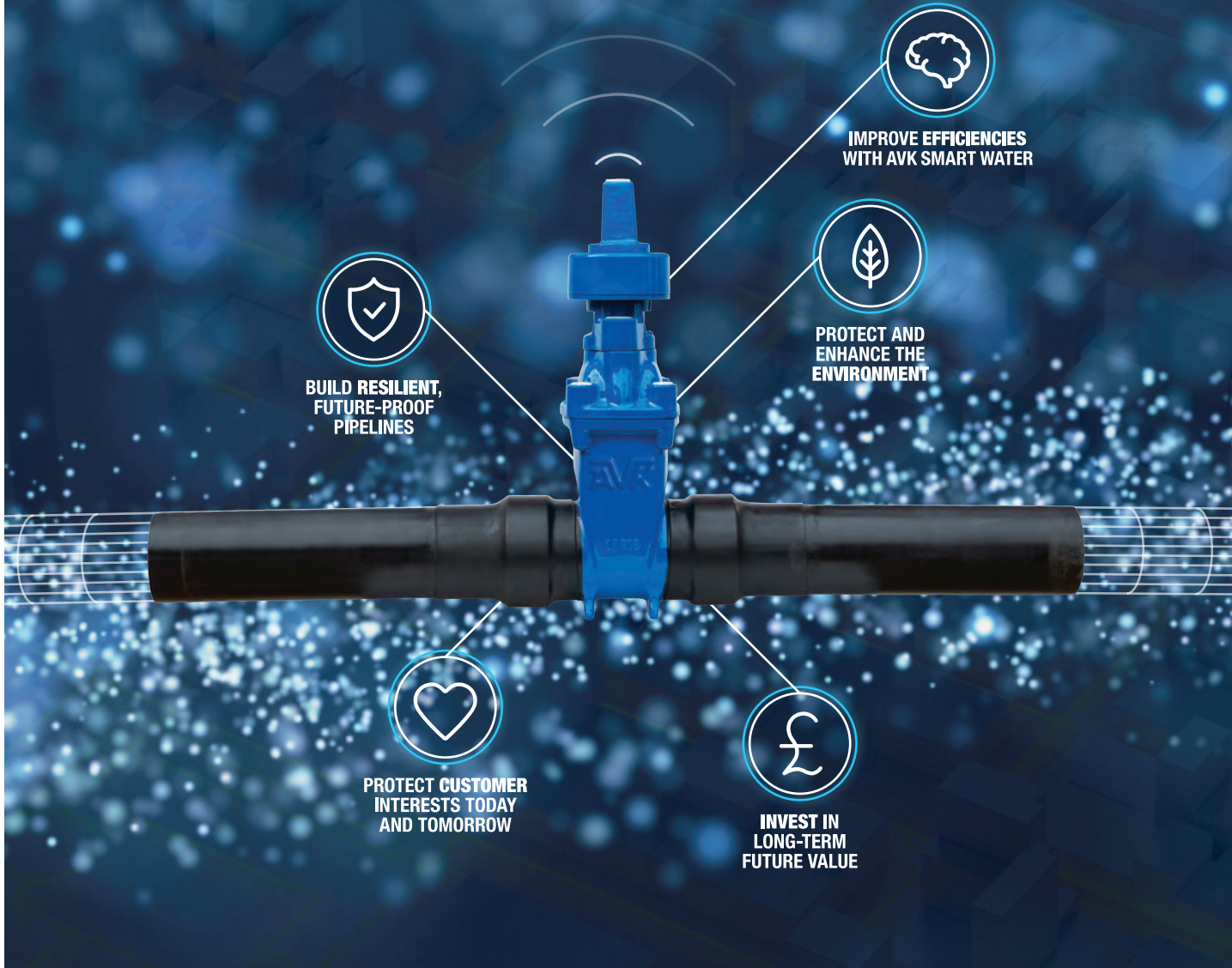


AVK SERIES 36 GATE VALVE, PE PIPE ENDS

CREATE A SMARTER TOMORROW, TODAY

THE AVK SERIES 36 PE-TAILED GATE VALVE



AVK SERIES 36 PE-TAILED GATE VALVE

Expect... **AVR**





**IMPROVE EFFICIENCIES
WITH AVK SMART WATER**



**BUILD RESILIENT,
FUTURE-PROOF
PIPELINES**
Page 4



**IMPROVE THE
ENVIRONMENT FOR
FUTURE GENERATIONS**
Page 6



**PROTECT CUSTOMER
INTERESTS TODAY
AND TOMORROW**
Page 8



**INVEST IN
LONG-TERM
FUTURE VALUE**
Page 10

CREATE A SMARTER TOMORROW, TODAY

THE AVK SERIES 36 PE-TAILED GATE VALVE

The PR24-ready, PE-Tailed Gate Valve; engineered for the networks of tomorrow and smart enough to resolve the challenges of today.

When the challenge today is to create a better tomorrow, you need to look to the AVK Series 36 for the solution.

The UK water industry is facing regulatory challenges, cost inflation, biodiversity loss, population growth and, of course, climate change. The pressure is on to identify effective and innovative solutions that will help resolve these challenges; and, in quick time too. The AVK Series 36 is the gate valve that directly addresses PR24 priorities. It is available now to help deliver resilient pipelines today.

With factory-fitted PE Tailed Pipes the AVK Series 36 helps reduce installation times, increases productivity and lessens the environmental impact of new infrastructure build. It can deliver greater customer value, achieve savings across the supply chain and is a far more resilient investment for your network. In addition, when combined with AVK Smart Water Technologies, the AVK Series 36 can be transformed into

an intelligent asset that captures and communicates vital data which helps you optimise your network.

The AVK Series 36 can deliver significant installation benefits today, as well as providing long-term network efficiencies for generations to come.



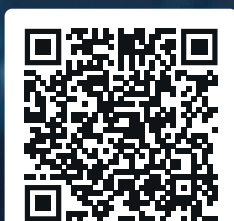
AVK SMART WATER VIDİ POSITIONER

The AVK Series 36 PE-Tailed Gate Valve can be supplied with or without the AVK Smart Water Vidi Positioner.

The VIDİ Positioner transmits data on the Series 36 Gate Valve's location, and open or closed status. It removes the need for ongoing site visits to undertake manual checks. Installing the VIDİ Positioner can result in considerable environmental benefits, savings in fuel and labour costs, and improved workforce efficiencies and network management.

DOWNLOAD THE AVK SERIES 36 TRIAL INSTALLATION REPORT

Scan the QR Code to download your copy of the AVK Series 36 Trial Installation Report.



The findings from the independent comparison of an AVK Series PE-Tailed Gate Valve and an equivalent flanged gate valve are referenced throughout this document.

Download the installation report for full details of the approach, the timings and the conclusions.

Do you agree with them?
Share your thoughts with us at AVKSeries36@avkuk.co.uk



BUILD RESILIENT FUTURE-PROOFED PIPELINES

The AVK Series 36. Everything you've come to expect from AVK, plus a whole lot more when it comes to pipeline resilience.



Built with factory-fitted PE-tails, AVK Series 36 gate valves are engineered to deliver resilient pipelines, reduce installation times, improve water security, reduce leak paths and make installation easier for all involved. Additionally, when paired with AVK Smart Water you'll gain the intelligence you need to build and optimise the networks of tomorrow.

With pressure on the UK Water Industry to improve efficiencies and build more resilient pipelines, the AVK Series 36 PE-Tailed Gate Valve helps you deliver the networks of tomorrow, today.

Take a look at the resilience benefits of the AVK Series 36



NO POTENTIAL LEAK PATHS

When compared to an equivalent flanged gate valve installation, the factory fitted and sealed PE-tailed pipes on the AVK Series 36 present no potential leak paths.

When installed using best-practice electrofusion welding, the AVK Series 36 creates a fully welded and durable pipeline that will stand the test of time. It delivers a significant reduction in non-revenue water, enhances water security, and reinforces network resilience.



Scan the QR Code to watch the video at: avkseries36.co.uk



40% FASTER TO INSTALL

When compared to equivalent flanged gate valve installations, the AVK Series 36 requires far fewer components: no nuts, no bolts, no washers, no flanges, no stub flanges, no tape. It's a far more efficient and quicker installation process.

During independent time trials, an AVK Series 36 installation required 40% less time than an equivalent flanged gate valve. Furthermore, because the AVK Series 36 is a single integrated unit, it requires less effort to install and is not as physically demanding on the installation team as an equivalent flanged gate valve.



Scan the QR Code to watch the video at: avkseries36.co.uk



50% IMPROVEMENT IN PRODUCTIVITY

Let's do some basic maths to identify how many valve installations can be completed by a team of engineers in a day. The AVK Series 36 PE-Tailed Gate Valve takes only 57 minutes to install. It takes 95 minutes to install an equivalent flanged gate valve.

An installation team of two engineers has 450 minutes (7.5 hours) of productive time in a working day. It is given that there is an average 15 minute interval between each installation to move to the next location and set up. A team could install 6 AVK Series 36 PE-Tailed Gate Valves in a working day compared to 4 equivalent flanged gate valves. That's a potential productivity gain of 50%.

Imagine how this improvement would impact on your productivity over a week, a year, or AMP8.



AVK SMART WATER HELPS PROTECT AND SECURE YOUR ASSETS

AVK Smart Water can locate issues, detect failures and report on potential leakage. This ensures an incident can be addressed before it becomes critical. AVK Smart Water can also provide insightful data to help optimise overall network performance.

Furthermore, if you implement joined-up thinking across your divisions, your company and the broader water network by sharing AVK Smart Water data, you can feed the insights into the improved construction of future networks.

Learn more at: avkuk.co.uk/smartwater

PROTECT AND ENHANCE THE ENVIRONMENT

The AVK Series 36. Everything you've come to expect from AVK, plus a whole lot more when it comes to environmental protection.



Less waste to landfill and no potential leak paths: the AVK Series 36 is designed to significantly reduce environmental impact during installation when compared with equivalent flanged gate valves.

Take a look at the environmental benefits



LESS ENVIRONMENTAL DAMAGE FROM LEAKAGE

When compared to an equivalent flanged gate valve installation, the factory fitted and sealed PE-tailed pipes on the AVK Series 36 presents no potential leak paths.

When installed in line with best practice, the AVK Series 36 creates a fully welded and resilient pipeline that significantly reduces the risk of water leakage and the damage it can cause to the surrounding environment.



INSTALLS FASTER WITH LESS ENVIRONMENTAL DISRUPTION

During timed trials the AVK Series 36 PE-Tailed Gate Valve was faster to install than an equivalent flanged gate valve. Furthermore, the compact profile of the AVK Series 36 means it can be installed in a narrower trench causing less damage to the environment.

With pressure on the UK Water Industry to enhance and protect the environment, a gate valve that can be installed faster and with less environmental disruption and damage is the way forward.



71% LESS LANDFILL WASTE

The removal of waste to landfill costs you money. It is also in direct opposition to the water industry's drive towards a more sustainable future.

The installation of a flanged gate valve results in seven - SEVEN - plastic bags going to landfill. The protective pipe caps on the AVK Series 36 PE-Tailed Gate Valve can be recycled, meaning the only sacrificial packaging are the two plastic bags protecting the electrofusion couplers. That's a 71% reduction in landfill waste!

Ofwat is asking water companies to protect and enhance the environment. A gate valve that reduces waste to landfill by over 70% makes a positive and sustainable contribution to achieving this objective.



AVK SMART WATER HELPS PROTECT THE ENVIRONMENT

Remote valve monitoring eliminates the need for costly and time-consuming physical checks. As a result, your operations team can focus on more important tasks. Furthermore, fuel consumption, vehicle wear-and-tear and emissions are reduced.

Alarms automatically triggered by remote monitoring alert the operations team to potential pipe failures, thereby avoiding the potential damage leakage can inflict on the surrounding environment.

Learn more at: avkuk.co.uk/smartwater



Scan the QR Code to watch the video at: avkseries36.co.uk

PROTECT CUSTOMER INTERESTS FOR TODAY AND TOMORROW

The AVK Series 36. Everything you've come to expect from AVK, plus a whole lot more when it comes to caring for your customers.



Built with factory-fitted PE tails, the AVK Series 36 is engineered to reduce potential leak paths. Quicker and more cost-effective to install than equivalent flanged gate valves, the AVK Series 36 also requires a smaller trench footprint. Taken together, these factors reduce disruption to traffic, pedestrians and everyday commercial activities, helping to create a water service that takes full account of customers' lives.

Furthermore, when paired with AVK Smart Water there's further potential to better protect and serve the needs of your customers for today and generations to come.

Take a look at the customer service benefits



LESS LEAKAGE MORE WATER SECURITY

Customers don't like water leaks. Full stop. Leaks disrupt service and cost money to repair; and it's the customer that eventually pays. When compared to equivalent flanged gate valves, the factory fitted and sealed PE-tailed pipes on the AVK Series 36 present no potential leak paths.

The AVK Series 36 significantly reduces the risk of leaks and the loss of non-revenue water. It enhances water security and helps build resilient networks. The AVK Series 36 is a sealed unit with no potential leak paths. This delivers network integrity and provides greater operational scope for increasing water pressures if required to protect customers' service levels.

POTENTIAL LEAK PATHS

2 vs **0**

EQUIVALENT FLANGED GATE VALVE

AVK SERIES 36 PE-TAILED GATE VALVE



LESS SOCIETAL DISRUPTION

Customers want a robust water network, but they don't like the disruption that building one can cause.

The AVK Series 36 with PE-Tailed Pipes can help keep customers happy. Timed trials have shown that a team of two operatives can install 50% more AVK Series 36 valves in a day compared to equivalent flanged gate valves.

That's a potential 50% improvement in productivity in one day. Imagine what you could achieve in a week, or a year!



FASTER AND MORE EFFICIENT TO INSTALL

The pressure is on the UK Water Industry to resolve network issues and improve service. The AVK Series 36 has far fewer installation components than a flanged gate valve - no nuts, no bolts, no gaskets, no washers, no flanges, no tape - ensuring a far faster installation. During timed trials, the AVK Series 36 proved 40% faster to install than a flanged gate valve. Onsite this translates into an improvement in service delivery for customers, the community and your business.

FASTER TO INSTALL

95 vs **57**
MINUTES

EQUIVALENT FLANGED GATE VALVE

AVK SERIES 36 PE-TAILED GATE VALVE



AVK SMART WATER HELPS DELIVER BETTER CUSTOMER SERVICE

By monitoring gate valves in real-time you can avert potential loss of service, react faster to critical incidents, and reduce non revenue water. In short, you can provide a better service to your customers by minimising disruption to their water supply.

Learn more at: avkuk.co.uk/smartwater

INVEST IN LONG-TERM FUTURE VALUE

The AVK Series 36. Everything you've come to expect from AVK, plus a whole lot more when it comes to delivering long-term future value.



Built with factory-fitted PE-tailed pipes the AVK Series 36 is engineered to future-proof your network. An AVK Series 36 installation requires far fewer stock keeping units (SKUs), meaning simpler stock management, cleaner logistics and onsite efficiencies.

Furthermore, when combined with AVK Smart Water there's further potential to deliver significant long-term savings for today, tomorrow and across the lifetime of your water network.

Take a look at the investment benefits



A FUTURE-PROOFED INVESTMENT

When compared to an equivalent flanged gate valve installation, the factory fitted and sealed PE-tailed pipes on the AVK Series 36 presents no potential leak paths.

No nuts, no bolts, no washers, no flanges, no gaskets, and no taping; the AVK Series 36 will reduce non-revenue water, enhance water security and reinforce network resilience. The AVK Series 36 creates a fully welded and future-proof pipeline for today and generations to come.



50% IMPROVEMENT IN PRODUCTIVITY

Let's do some basic maths to identify how many valve installations can be completed by a team of engineers in a day. The AVK Series 36

PE-Tailed Gate Valve takes only 57 minutes to install. It takes 95 minutes to install an equivalent flanged gate valve.

A two man installation team has 450 minutes (7.5 hours) of productive time in a working day. It is given that there is an average 15 minute interval between each installation to move to the next location and set up. A team could install 6 AVK Series 36 PE-Tailed Gate Valves in a working day compared to 4 equivalent flanged gate valves. That's a potential productivity gain of 50%.

Imagine how this improvement would impact on your productivity over a week, a year, or AMP8.



Scan the QR Code to watch the video at: avkseries36.co.uk



63% REDUCTION IN SKUs

An AVK Series 36 PE-Tailed Gate Valve installation does not require nuts, bolts, washers, gaskets, flange adapters, PE Stub flanges or any kind of flange whatsoever. All you need for installation is the product and two electrofusion couplers. Compared to an equivalent flanged gate valve installation this amounts to a 63% reduction in stock keeping units leading to simpler procurement, leaner stockholdings, quicker stock picking and more efficient stock-to-site logistics.

These savings contribute to a more efficient, leaner and cost-effective operation.



Scan the QR Code to watch the video at: avkseries36.co.uk



AVK SMART WATER HELPS GENERATE LONG-TERM SAVINGS

Optimise gate valve performance and extend asset life. Cut costs associated with leakage by reacting faster to critical incidents through real-time monitoring. Share data to help streamline and improve future pipeline operations.

Learn more at: avkuk.co.uk/smartwater

CREATE A SMARTER TOMORROW, TODAY

THE AVK SERIES 36 PE-TAILED GATE VALVE



Chesterfield Office

Colliery Close, Ireland Ind. Est
Staveley, Chesterfield
S43 3FH
England, UK
Tel: +44 (0) 1246 479100
Email: customerservice@avkuk.co.uk

© Copyright AVK UK 2023

