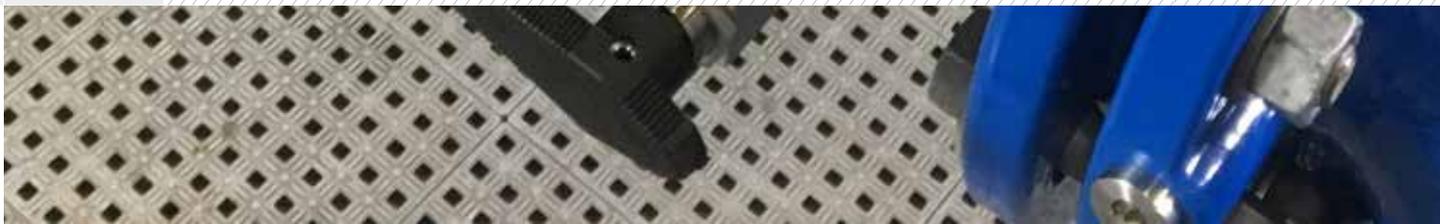


AVK SERIES 859 CONTROL VALVES



# AVK NETWORK CONTROL SOLUTIONS

Expect... **AVR**





# AVK NETWORK CONTROL SOLUTIONS



The water industry is determined to make the water system smarter and more resilient; to reduce water loss, cope with demand and create a smarter more efficient water network.

To meet this demand, AVK offer, **AVK Network Control Solutions**, the complete package for a smart water network combining the key 3 elements, product offer, site services and local support.

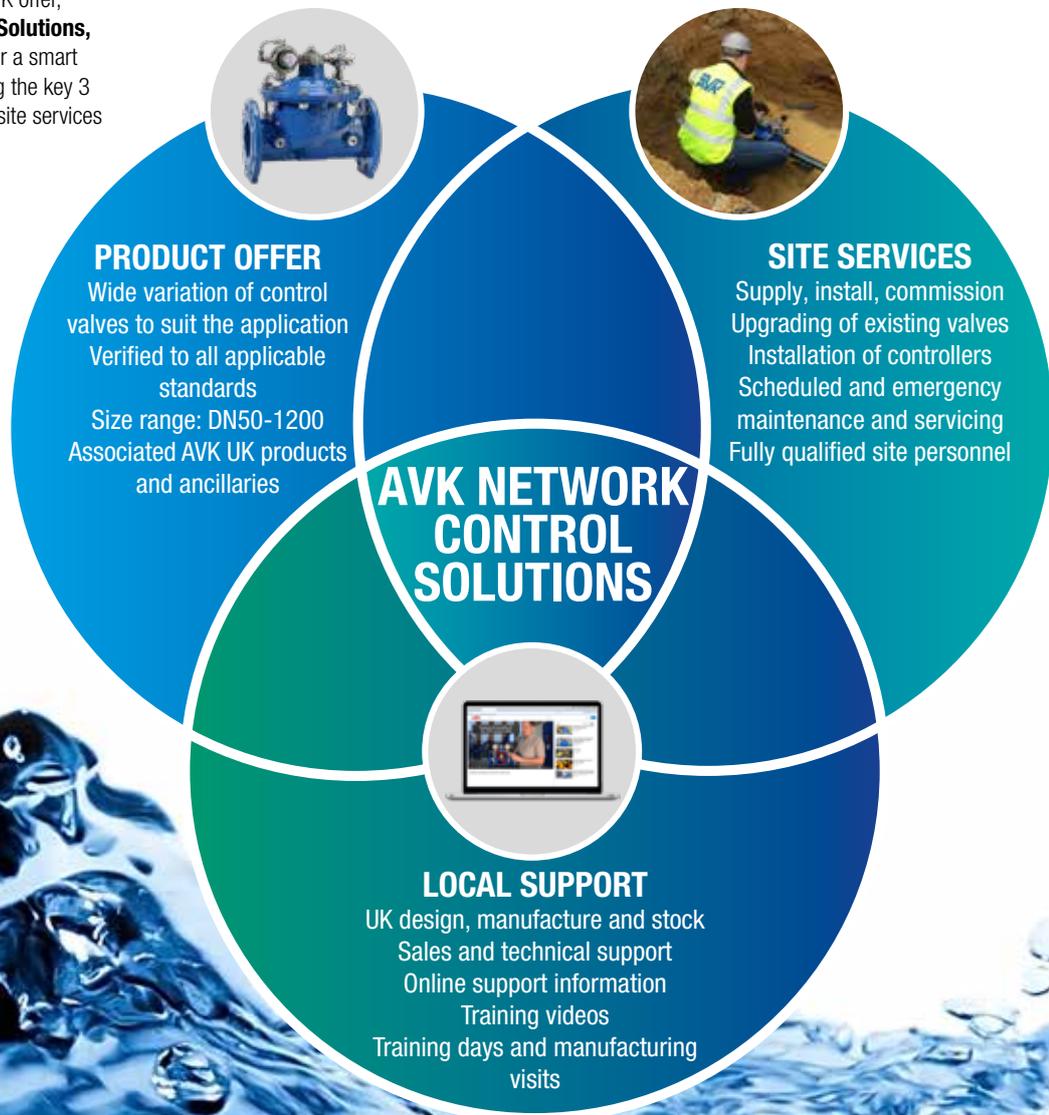
*"The main focus of these elements are added value in terms of installation, operation / service and availability, and also in true life cost... these being fundamental aspects of the TOTEX approach."*

One of the key products included in this package is the AVK control valve, available with reduced and full bore. Control valves with reduced bore are appropriate for most applications, as the smaller bore often offers more accurate regulation. Control valves with full bore are recommended, if high Kv values are needed, e.g. in front of hydrants.

Automatic control valves such as pressure reducing, pressure sustaining, constant flow and

pressure relief, control and optimise the systems performance. These can be used to provide optimum pressure and flow conditions for a system, resulting in:-

- Less leakage
- Less wastage
- Less impact on the environment
- Less disruption to consumers
- Improved financial savings to water companies





## PRODUCT OFFER



AVK offers a comprehensive range of control valves to suit all types of application.

**Product range including:**

- Constant flow control valves
- Pressure reducing control valves
- Pressure relief/sustaining control valves
- Level control valves
- Booster protection / surge control valves
- Multi-function control valves
- Solenoid override control valves
- Surge control valves
- and more specialised variations

**Features**

- Designed with quality in mind - low full life cost
- Lifted seat to avoid damage caused by cavitation.
- Fusion bonded epoxy coated
- EPDM nylon reinforced diaphragm
- New parabolic plug design provides high ratio of travel allowing and improving a smooth control performance, reducing noise and vibration.
- Anti cavitation trim: reduces noise and improves the life span of the valve by avoiding erosion.
- Quick and easy speed adjustment
- Size range DN50-1200

## SITE SERVICES



Our complete site services package includes; supply, install and commission

**Site services include:**

- Supply - install - commission
- Support - on and off site
- Upgrading of existing valves
- Installation of controllers
- All associated enabling, electrical and civil engineering services
- Equipment commissioning
- Scheduled maintenance and servicing
- Emergency service

- Servicing of other manufacturers products
- AVK site services staff hold the relevant site safety passports and where necessary confined space and other relevant certifications

\*Site services is carried out through Invicta Valves, Member of the AVK group

**For full details on this service and AVK Network Control Solutions, please contact:**

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## LOCAL SUPPORT

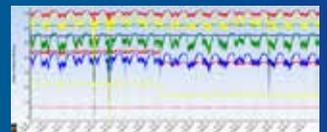


Control valves are designed and manufactured at our Staveley site which is certified to ISO 9001.

- **Local manufacture**
- **Local stock with short lead times**
- **Local quick response**
- **Local technical support**
- **Local support on contract transition**

**This is supported by:**

- Fully trained sales and engineering team
- Training days
- Recommendations
- Data analysis
- Online sizing tool
- Package solutions
- Protection solutions
- Smart networking recommendations
- Remote operation options
- Support information available via our website: O&M's, youtube tutorials, FAQ's



# AVK UK

**EXPECT** Quality in every step  
**EXPECT** Solutions not just products  
**EXPECT** It to be effective and easy

AVK UK have manufacturing sites and sales personnel cross the UK.

With local technical expertise and on-site service teams, AVK UK also offers customers product identification, diagnostics, selection and application advice. We also hold product training courses and operating & maintenance guidance.

All AVK customer facing staff hold the relevant Site Safety Passport and where necessary confined space and other relevant certification



## ASSOCIATED PRODUCTS



**SERIES 764/01**  
AVK Eccentric Plug Valve  
DN80-300  
PN16  
Ductile Iron  
BS EN 1092-2 (ISO 7005-2)  
EN 558 SERIES 3  
AWWA C517  
NBR rubber 764/01-001  
EPDM rubber 764/01-002

Valves can be fitted with an actuator for remote operation capabilities allowing for a fully automated, accurate, flow control in the pipeline system.



**SERIES 29/91**  
AVK Clearway  
Underground Hydrant  
DN80  
PN10/16  
Ductile Iron  
BS 750:2012 Type 2  
BS EN 1074-6

Hydrant with a data logger connection option fitted during manufacture enabling connection of a data recording device.



**SERIES 21/37**  
AVK RSGV with ISO flange  
DN80-200  
PN10/16 upto DN150  
PN16 only on DN200  
Ductile Iron  
BS EN 1074-1&2  
BS 5163-1&2  
BS EN 1092 (ISO 7005-2)

Valves can be fitted with an actuator or remote operation capabilities allowing for a fully automated system.

## CASE STUDY

*“high quality valves with excellent support”*



AVK UK and AVK International working together with Georgia Water and Power for the supply of over 350 Series 859 control valves. The valves were installed as part of a leakage reduction initiative in Tbilisi, Georgia's capital city.

AVK were awarded the contract for the supply of the control valves despite serious competition from cheaper competitors, but GWP were very clear their requirements were for **high quality valves with excellent support** and therefore acknowledged the benefits of using AVK and their Series 859 valves.

AVK were also able to provide GWP with further technical assurances using their test facility at Bryan Donkin Valves in Staveley (where the valves

are manufactured), to ensure the customer was fully satisfied with the specifications and operational performance. Various trials were performed and videos and data logging results were provided to GWP to confirm that they had selected a superior product and could be confident of complete technical support.

AVK UK AVKI worked closely with GWP in Tbilisi assisting with ensuring correct valve specification is supplied, and ensuring the high level of support you would expect from AVK.

During the trip, AVK visited several PRV installations and gave comprehensive training to local technicians. During this time the technical team from GWP were shown how to commission and maintain the valves as well as in-depth troubleshooting methods. Data was also taken during the visit to prove the valves were performing to the accuracy required.

For the full story visit our website:  
[www.avkuk.co.uk](http://www.avkuk.co.uk)



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