



**EXPECT... SOLUTIONS NOT ONLY PRODUCTS**

# AVK UK SUPPLY - WESSEX WATER - THE GRID



**£230 MILLION**  
EIGHT YEAR  
PROGRAMME  
**200KM OF TRUNK  
MAINS**  
24 REFURBISHED  
OR NEW PUMPING  
STATIONS  
**12 NEW STORAGE  
RESERVOIRS/  
TANKS...**

...**O**nly some of the important facts associated with Wessex's major Water Supply Grid project that AVK UK were proud to be involved in. This major 8 year project was designed, built and recently commissioned by Wessex Water.

The £230 million project to create a new water supply grid will enable Wessex to meet water demand for the next 25 years and eliminate the need to develop additional resources.

The eight year programme started in 2010 and was completed safely, on time and within budget in March 2018.

It comprised of more than 50 individual schemes across Somerset, Wiltshire and Dorset and allows Wessex to move water to where it is needed. Wessex have now laid more than 200km of trunk mains, built or refurbished 24 pumping stations and constructed 12 new storage reservoirs/tanks.

The projects valve requirements from AVK was significant, with over 1500 items delivered over the contract period. The range of product types also reflected the complexity of the programme from pumping stations to truck main systems and included Series 41 swing check valves, Series 21/ 55 / 54 gate valves, Series 75 and 756 butterfly valves and Series 701 air valves.

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With the main focus of the programme being pipelines, isolation valves for the 200km of trunk mains were key. AVK's resilient seated gate valves up to DN600 were installed as standard, more than half of these being manufactured in AVK's UK Corby production facility. All components were made within AVK's own supply chain including the EPDM wedge, and the core of the valve was manufactured at AVK's plant in Denmark, AVK Gummi. This valve offers drop tight seal as well as the ability to be placed in the horizontal plane without costly reworked internal components. It is for these reasons that many water companies are now routinely using Series 55 large diameter resilient

valves in their systems and moving away from the traditional metal seated valve. AVK have been manufacturing DN450-800 resilient seated valves for some time and will soon be adding DN900, DN1000, DN1200 to the range.

### Product Recommendation and Support

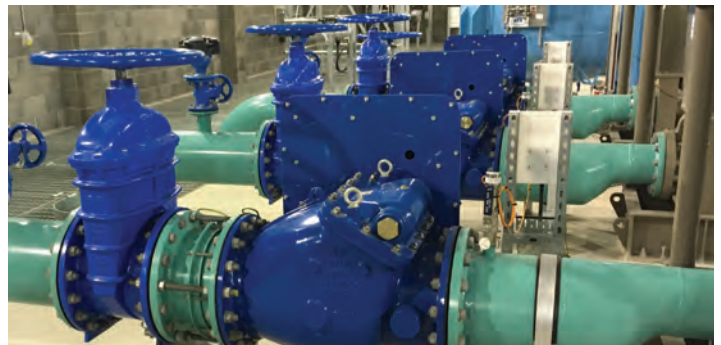
AVK UK's involvement in the programme was more than simply supplying product, one of AVK's promises was to Expect... Solutions not only products. In the build up to the project, AVK supported and advised many of the designers and engineers in valve recommendation, ensuring the correct valve was selected by application. In

addition a host of ancillaries such as extensions stems, headstocks and actuators were supplied to the many locations within the Wessex region.

If you need support or advice on your project or valve selection please contact:

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