

AVR

interlink

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Editorial

Dear reader

It is an exciting time we are facing. AVK is well equipped for the future with a wide range of products; well-known products, updated or improved to meet the new market demands, and new products, recently released for sales.

It is of great significance that we keep our product programme updated. On several occasions, we have brought photos showing how it can really go wrong when products do not last as long as expected. The pictures on the back cover of this edition say it all.

On page 10 and 11 we have included installation photos from all over the world. We would like to thank all of you who sent in a photo and we will of course send you all a sports bag.

We have received many installation photos so we will allow ourselves to be a little more critical in our evaluation of the photos. In future we will only reward photos from funny, complicated, and interesting installations or e.g. hydrants that are part of a townscape. However, please do continue to send us your photos of AVK products.

I hope you will enjoy your reading.

Michael Ramlau-Hansen

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Front page photo: Niels Aage Kjaer and Michał Chojara Mayor of Pniewy at the ten years anniversary combined with a grand opening of new facilities at AVK Polska Sp. z o. o. and AVK Armadan Sp. z o. o.

If you know anyone who would benefit from receiving interlink or if you need more copies, please send an e-mail to: adl@avk.dk

Do you have an article you would like to share with the rest of the AVK world, i.e. installation of new products, installation in new places, repair of pipelines or an exhibition in your country - please send an e-mail to: jej@avk.dk



Index:

New Donkin-350 mm valve	3
AVK UK was all set for Anglian cryptosporidium emergency	3
New products	4
Around the world	6
Installation pictures	10
Competition	12

New Donkin 350 mm valve tailor-made for gas mains renewal

By Chris Holland, Marketing & Communications Manager, AVK UK Ltd.

AVK UK Ltd. is introducing a DN 350 size of its Donkin series 555 softseal gate valve designed to meet the requirements of National Grid.

Currently, undergoing final design refinements in order to secure kite-mark approval to GIS / V7 Part 1, the new size has been designed for sliplining of 18" cast iron mains with 350 mm polyethylene – part of the massive 30-year safety enhancement programme to eliminate every metallic gas main closer than 30 metres to a building.

It will be used in conjunction with a new type of flange adaptor that permits the use of 350 mm valves on

pipelines of the same diameter, saving the additional cost of upsizing to 400 mm, as required by other types.

The Donkin series 555 gate valve is a double-faced, resilient seated wedge type with an internal screw suitable for under-pressure drilling and tapping operations and end-of-line service up to a working pressure of 7 bar (100 psig).

Convenient features include fasteners covered in hot melt EVA copolymer to provide enhanced corrosion protection, self supporting "flange feet" for ease of installation and stockholding and integral lifting lugs on all sizes.



AVK UK Ltd. was all set for Anglian cryptosporidium emergency

By Chris Holland, Marketing & Communications Manager, AVK UK Ltd.

When Anglian Water at the end of June, encountered elevated levels of cryptosporidium at its Pitsford Water Treatment Works near Northampton, valve manufacturer AVK UK Ltd. had the stock and service levels to help solve the problem in the shortest possible time.

"As soon as the incident occurred, we gave Anglian Water an undertaking that our national distribution centre would be open around the clock for as long as was needed," said supply chain manager Martin Brody. *"We backed that up with 24/7 technical support, and a guarantee that we would have valves on site within an hour from placing of order."*

In the event, AVK was able to supply all the resilient and metal seated gate valves requested for the process pipework replaced during the cleaning operation.

As the holder of the country's largest stock of WRAS-approved gate valves, the company was able to respond promptly and flexibly, contributing to Anglian Water's success in getting Pitsford back to normal operation in four days rather than the weeks it was originally thought might be necessary.



National Distribution Centre team leader Michael Cook preparing one of the AVK gate valves for immediate dispatch to Pitsford WTW.

DN 450, 500 and 600 range of high quality gate valves

By Michael Ramlau-Hansen, Marketing Manager, AVK International A/S



The short face-to-face flanged gate valve is the most popular gate valve ever. Our well-known series 06/30 valve is now available in large dimensions DN 450, DN 500 and DN 600 which makes it a complete series from DN 50 to DN 600.

During the course of development, we attached great importance to some essential features for large dimension valves:

- The valves are to be operated with a simple handwheel which requires a very low free running torque, closing and opening torque. This was solved by supplying the valves with a double ball bearing design in the well-known triple spindle gasket system. Furthermore, the wedge is supplied with polyacetal guide shoes for low friction between body and wedge.

- Safe operation of large dimension valves without interruption from water hammer or pipe collapse.

The valves are available with a DN 50 by-pass valve offering slow filling or discharge of the pipeline down stream side of the valve. The main valve is closed while the water flow is led through the much smaller by-pass valve. It reduces abrasion of the main valve when the by-pass is used; the differential pressure is outbalanced and eliminates the heavy unilateral wedge pressure that occurs at full working pressure against closed valve.

New underground hydrant for the Netherlands - R7

Ilka Dräger, Marketing coordinator, AVK Mittelmänn Armaturen GmbH



The AVK Group's competence centre for hydrants in Germany has completed the development of a new type of underground hydrant for the Dutch market.

Together with some major Dutch water companies AVK Nederland BV approached AVK Mittelmänn Armaturen GmbH (AVKM) with a handful of requests. The new hydrant should not only comply with the newest and extremely strict KIWA (Dutch certification institute) and ARBO approvals (national organization for work safety), it should have the features and benefits of the R3 and the R6 type in one hydrant!

AVKM introduced a hydrant that even exceeds these requirements. Its main features and benefits are:

- Completely coated (e.g. also under brass seat)
- Less weight (RD 750: 24.5 kg), meets the requirements of ARBO-specifications
- Spindle blow out prevention
- Robustness
- Less water loss during opening
- Fully functional check valve for back flow prevention
- Displaces series R3 and series R6
Performance: >90m³/h with 1 bar differential pressure (new standard: >60m³/h)
- By now, the first R7 hydrants have already been delivered and successfully installed.

New Combi flange for PE, PVC and O-PVC ranging from DN 50 to DN 300

By Lars Sindal, Product Manager, AVK International A/S

The new range of AVK combi flanges for PE, PVC and BO-PVC pipes offers a number of unique features.

- The unique gasket design offers maximum flexibility in relation to insertion depth and deflection of the pipe. Thus, providing a secure, fast and easy installation even under difficult conditions.
- Longitudinal movement of the flange during installation is reduced to a minimum. This gives a fast torque of the flange bolts, and thereby reduces the installation time.
- A combination stainless steel grip ring keeps the pipe firmly secured and in place even at 3.5 degrees deflection up to a maximum pressure of 16 bars.
- The wide stainless steel grip ring is designed specifically to support thin wall PVC pipes (O-PVC or bi-oriented PVC), but it also offers full

tensile abilities to standard PE and PVC pipes.

- The unique design of the tensile grip ring combined with delivery of the flange and gasket as one complete unit reduces stock and gives customers a cost reduction.
- The high quality EPDM rubber gasket has a uniquely designed profile especially developed to minimise the compression on thin wall pipes and is of course in compliance with major drinking water approvals.
- A weight optimised flange in ductile iron, coated according to GSK specifications, offers both easy handling and long life.

All in all this should ensure that the new combi flange from AVK will be our customers preferred choice.



New series of single shut-off hydrants to replace the series K3 and series K6

Ilka Dräger, Marketing coordinator, AVK Mittelmann Armaturen GmbH

The AVK Group's competence centre for hydrants in Germany is also working on a new type of single shut-off underground hydrant, named "K7".

For 28 years, the series K3 hydrant has been a reliable, solid and robust valve for water supply purposes. But, as we all know, customers' requirements change, and we want our products to meet the ever changing requirements. Striving for continuous improvements in our product development, we came with a new design to incorporate our customers' latest requirements. The new hydrant is expected to be launched for serial production in the last quarter of 2008. Like the series R7, it not only comprises the features

and benefits of today's series K6 and series K3, it also has new benefits.

The hydrant is completely coated (e.g. also under brass seat) which gives an optimum safety as to the hygienic aspects of drinking water supply.

A newly designed spindle blowout protection enhances the hydrant's operation safety to a maximum.

Due to the free space between valve cone and body (raised to 20 mm) and the asymmetric design of the valve cone, the hydrant offers better drainage as well as a smooth opening and closing. The hydrant has a flow capacity of 119 m³/h (1 bar differential pressure).





June 2008 - AVK Mittelmann Armaturen GmbH is member of the German Water Partnership

By Jürgen Dylla, Sales Manager Industry & Plant Engineering, AVK Mittelmann Armaturen GmbH

The German Water Partnership is a platform that coordinates activities in the field of water management, promotes innovation and pools information.

German water suppliers are among the most competitive in the world, offering some of the highest levels of efficiency in plant engineering, consulting and operation. This technological competence is complemented by unparalleled expertise in research, education and training, and by high levels of institutional and administrative knowledge of the water management sector at Federal and Länder level. High quality standards combined with innovative solutions allow us to provide efficient water treatment and a safe water supply throughout Germany. The German water sector also acts as a reliable partner to other countries, offering advice and services that are customized to individual customers and regions.

The German Water Partnership is a joint initiative of the German private and public sectors, and serves as a platform through which commercial enterprises, government and non-government organizations, scientific

institutions and water-related associations can exchange data about their activities and services. The fundamental aim of the German Water Partnership is to ensure that the activities and initiatives of the German water management sector are consolidated and promoted all over the world. The German Water Partnership is both an operational headquarters and a contact point for international enquiries relating to the range of products offered by the German water management sector.

AVK Mittelmann Armaturen GmbH will do its utmost to ensure that the membership will have a positive influence on the worldwide AVK activities. As a member of the German Water Partnership AVK Mittelmann Armaturen GmbH can now not only support several markets better, but also local and international projects and AVK activities.



AVK Holding Business Development

By Jorn Urup Nielsen, AVK Holding Business Development

We would like to update you on AVK Holding Business Development's current focus and areas of responsibilities.

This as the objectives for AVK Holding Business Development have been changed to become more operational than previously.

AVK Holding Business Development now has the full sales responsibility for all AVK business segments in:

- Nigeria - including projects tendered by international contractors/trading companies.
- Libya - including projects tendered by international contractors/trading companies.

China - full sales responsibility for dams and reservoirs (including hydro-power) and water transmission pipeline segments, also including overseas projects with Chinese contractors/funding.

Furthermore, AVK Holding Business Development is responsible for ten leading, international key accounts (contractors, water management companies and equipment suppliers).

AVK Italia S.r.l. is up and running!

By Kieran Cantrell, Manager, AVK Italia S.r.l.

On 24 October 2008, the official opening of AVK Italia S.r.l. took place in Bologna.

Following a welcoming speech by Kieran Cantrell, manager of AVK Italia S.r.l. Morten Sæderup Nielsen, managing director of AVK International A/S, cut the red ribbon in the new warehouse which comprises 1200 m².

Michael Ramlau, marketing manager of AVK International A/S was also present as were many of our important customers and dealers, including representatives from Georg Fischer Spa, the company which represented AVK International A/S in the Italian market for more than 25 years.

Bologna is strategically located in Northern Italy. It is two hours by road from Milan, four hours from Rome and about ten minutes from one of our biggest customers with headquarters in Bologna city.

On behalf of AVK Italia S.r.l, I would like to thank AVK International A/S' marketing and logistics departments for their support and flexibility during the start-up phase.

Benvenuti a AVK Italia!

The new facility in Bologne Italia



The official opening performed by Morten Sæderup Nielsen, Manager Director, AVK International A/S and Kieran Cantrell, Managing Director, AVK Italia S.r.l.



AVK butterfly valves for Essex & Suffolk pumping station

By Chris Holland, Marketing & Communications Manager, AVK UK Ltd.

Essex & Suffolk Water is one of the utilities that appreciate the three unique attributes of AVK UK Ltd.'s series 756 double eccentric butterfly valve; less weight, more strength and lower torque.

The company is installing three DN 1400 valves on the suction side of a new pumping station at its Layer water treatment works near Colchester – a £10m investment that will increase daily capacity to 145 megalitres to satisfy increasing demand from its 750,000 population.

"In our estimation the series 756 is a good-value package," said John Lowne. "It is robust and compact enough for mains at shallow depths and has integral lifting points that make manoeuvring easy during installation.

We expect to operate the valves only occasionally, mainly for maintenance or in an emergency, and the standard controls provided are appropriate for that, so much so that only one has electric actuation. The others are manually operated."

AVK's series 756

Series 756 double eccentric butterfly valve is available in sizes from DN 200 to DN 2200 for working pressures up to 16 bar. Designed in accordance with the European "long" body pattern to DIN 3230 Pt 4, it incorporates

a positive retained resilient disc seal; the body seat can be integral (for buried service) or replaceable.





Why not combine business with your passion for motorcycles?

By Leif Lindbom, Product Manager, AVK International A/S, Finland



That's exactly what a team from Finland did, when arriving with their motorcycles to AVK in Denmark.

The customer team consisted of 12 people invited by Grundfos Finland. They were visiting Grundfos in Denmark and why not pay AVK a visit at the same time. What Matti Mällinen from Grundfos Finland didn't know,

was how bad the weather would be at that time. Driving from Finland through Sweden and Denmark in one day, in heavy rain and storm on wet roads, was not exactly what they had planned. "In some parts, a boat would have been a better choice" Matti Mällinen said. After a rest at Låsby kro, they went to AVK and made sure that we could all

hear them coming. Ib Thygesen took care of the customers, presented AVK and our products. This is an excellent example of a cooperation between two big Danish companies, working in the same field, with the same customers, but with different products.

Aquatech Amsterdam 2008

By Justin van Dongen, Sales Engineer, AVK Nederland BV

The 22nd edition of the Aquatech Amsterdam took place from 30 September to 3 October 2008, and the exhibition was also a great success this year. The Aquatech Amsterdam attracted almost 19,000 visitors of which 47% were Dutch. This year the Aquatech Amsterdam represented more than 850 water related exhibitors.

AVK Netherland BV was present at the Aquatech together with Wouter Witzel EuroValve BV. The reason for this strategic combination is that AVK Nederland BV will represent the Dutch market within the four segments for butterfly valves starting 1 October 2008. The Aquatech was the perfect opportunity to announce this to the market.

AVK international A/S, AVK Rewag BV and Hillen de Lelie BV were also represented at the exhibition. All five AVK companies presented themselves as one team with the same mission: To introduce a complete package of high quality AVK valves and fittings and Hillen de Lelie ball check valves.

Development of new products and expansion of the product package are very important to AVK; Aquatech was the perfect opportunity to present some of our new products.

The new tapping saddles with built-in cutters, type SWIC-PVC and SWIC-ST attracted much attention; both types of tapping saddles are developed by AVK Rewag BV. There was great interest in a new type of street cover made entirely of a strong type of HDPE.



The real eye-catcher from AVK was series 06/84. The series 06/84 has been extended with DN 450, DN 500 and DN 600, and attracted much attention from visitors and other exhibitors.

Similar to the IFAT exhibition in Munich, a mermaid was presented at the AVK stand. She attracted much attention to the AVK stand and the visitors' reactions were very positive. Many visitors had their picture taken with the mermaid, a picture which was later framed and sent to them as a nice memory of the exhibition.

10th anniversary combined with a grand opening of new facilities

By Anna Kaja, AVK ARMADAN Sp. z o. o.



On 24 September 2008 AVK Polska and AVK Armadan celebrated their 10th anniversary combined with the grand opening of new facilities - a 6,000 m² building with production, storage and office areas.

A new warehouse for AVK Armadan has been established as well as new office facilities. However, the major part of the building will facilitate a modern machine shop, primarily for machining of special items for AVK Tooling A/S and Wouter Witzel Euro Valve B.V.

The best customers and partners of AVK in Poland were invited to the ceremony; most of them (200) attended.

The opening started with a reception where snacks, sweets and champagne were served. Speeches were given by Mr Jerzy Bober, General Manager of AVK Poland, Mr Tadeusz Stryjski, General Manager of AVK Armadan, Mr Michal Chojara, the Mayor of Pniewy, His Excellency Hans Michael Kofoed-Hansen, the Ambassador of the Kingdom of Denmark, and Mr Carsten Fode, Chariman of the board of AVK Holding.

When the great moment came, Mr Niels Aage Kjaer and the Mayor of Pniewy cut the ribbon at the entrance to the new building and opened it officially. After the ceremony, the guests were invited for a guided tour of the company. The hosts opened the doors to the production and storage areas. The visitors were impressed by the size and modern character of the premises.

After the official opening, the guests were invited to a banquet in the local sports hal. During dinner a wind quartet performed. But the real hit of the evening was an extraordinary show given by two Armadan sales people Marek Brzozowski and Miroslaw Kopyta. They danced and sang and were enthusiastically applauded by the audience.

We are convinced that the grand opening has strengthened our relations with customers and business partners and will allow further development of both AVK companies in Poland.





Picture from Bayern, Germany. Sent in by Eckard Matz, AVK Mittelmann Armaturen GmbH



Installation with DN 250 valves.
Sent in by Josef Vytlačil, VOD-KA Litomerice a.s.,
Czech Republic,

Installation photos from all over the world

In the last edition of Interlink we promised that everyone who sent in a installation photo would get an AVK sports bag - and so they will. Please keep sending in your installation photos - the photos used in Interlink will receive a sports bag. Send you photos to adl@avk.dk.



A plastic street cover installed (the wrong way) at Katwijk aan Zee, Holland on a camping site. Sent in by Albert van Leeuwen, AVK Nederland BV.



Series 04 taken in LEGOLAND, Denmark. Sent in by the son of Michael Dilley, AVK UK Ltd.



Series 80 in Albufeira, Portugal. Sent in by Ilka Dräger, AVK Mittelmann Armaturen GmbH.



Mount Michel, Cornwall UK. Sent in by Cock Sprengeling, AVK Plastics BV.



Gate and ball check valves in Holland. Sent in by Hans Bos, AVK Nederland BV.



Puerto Rico, Canary Islands, Spain. Sent in by Jytte Nielsen, AVK International A/S.



Double eccentric butterfly valves in Portugal. Sent in by Vanessa Martínez, AVK Válvulas SA.



Extreme underground installation. Sent in by Kornél Oberding, EUROFLOW Hungary.



The gas supply at Wouter Witzel is now secured by many AVK Valves. Sent in by Elly Wender, Wouter Witzel EuroValve.



Nostalgic hydrant installed in Silkeborg, Denmark. Sent in by Jesper Sølvsten, AVK International A/S.



Series 09 installed in Løkken, Denmark. Sent in by Jesper Flarup, AVK International A/S.



Nostalgic hydrant installed in Denmark. Sent in by Jens Jørgen Udby Nielsen, AVK International A/S.

What's up Mr Valvis

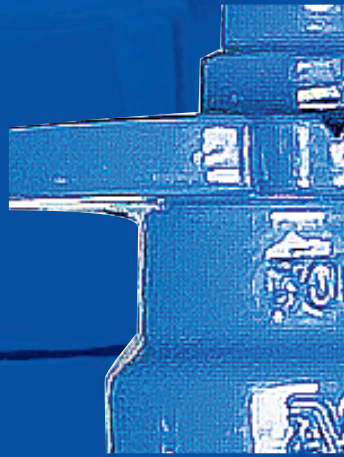


Competition no. 30

We are happy to announce that the winner is: Vanessa Martínez from AVK Válvulas, S.A.

Vanessa Martínez has chosen a Chefs knife set.

The correct answer is: A close-up shot of a grip-hook on the Russian hydrant.



Competition no. 31

What does this selected enlargement show?

Send an e-mail with the correct answer and write down which gift you want to receive - if you win.

E-mail to: adl@avk.dk

AVK Hummel running T-shirt in black with gray logo and Danish text.
Women sizes: s, m, l, xl or xxl
Men sizes: m, l, xl, xxl or xxxl



Salad set from Bodum



Chefs knife set from Bodum



Pipeline failure in Wroclaw, Poland

Pictures sent in by Inga Wiśniewska, Logistic Manager, AVK ARMADAN Sp. z o. o.

Please note that no AVK products were used in this installation!!!

