

AVR

interlink

No 32 • April 2009 • AVK INTERNATIONAL A/S



Editorial

Dear reader

Some may feel that we have had a particularly long and hard winter this year. At least Europe has been more affected than in previous years, and Spain and Italy have had snowy weather in areas where it has not snowed for decades.

The other day, I received a newsletter from my fishmonger in which he offered lumpfish roe. This is a sure sign of spring.

For AVK, spring usually entails a welcome rise in our activities. With the coming of spring, the utility companies will start the underground construction works planned during the winter, and AVK is ready to meet the challenge.

Michael Ramlau-Hansen

Published by

AVK International A/S

Tel.: +45 87 54 21 00
Fax: +45 87 54 21 20
e-mail: sales@avk.dk

Chief editor

Michael Ramlau-Hansen - mrrh@avk.dk

Marketing information

Marketing Department

Technical information

Lars Sindal, Bo Ellerup and Jørgen Kudsk

Coordinator

Jette Jensen - jej@avk.dk

AVK interlink is published 3 times a year in 5000 copies.

Front page photo: Series 21 gate valves installed in front of The Curve Shopping Centre in Petaling Jaya, Malaysia.

Do you know anyone who would benefit from receiving interlink or do 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



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AVK VOD-KA a.s.

By Petr Kvičera, Market Manager AVK VOD-KA a.s.

In 2008 VOD-KA a.s. became part of the AVK Group of companies. The company changed name to AVK VOD-KA a.s. It employs 23 people and is located in the city of Litomerice.

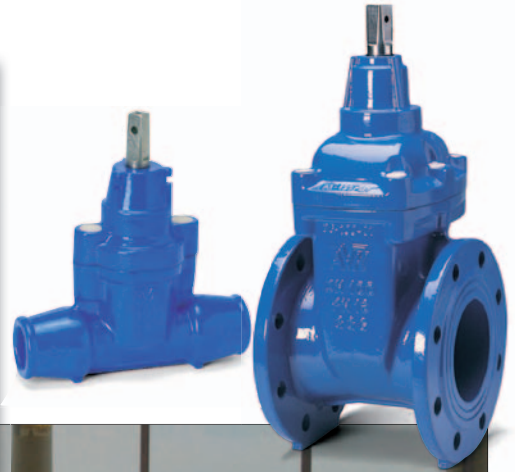
VOD-KA a.s. was established as a private company in 1992 and since then, the company has become one of the largest suppliers of valves and accessories in the Czech Republic.

The company has mainly sold AVK products, but also products like ISIFLO couplings and other locally manufactured products with special requirements for the Czech market.

The market share in the Czech Republic is secured by the wide range of AVK products and the seven sales managers who work hard on the many

sales and marketing activities in the market.

The company has worked within AVK's four segments; the strongest being the water and sewage segments, but the gas segment also plays an important part. We see quite a big potential within the segment for fire protection and have already had major orders in cities like Prague and Brno.



AVK VOD-KA a.s. visited AVK International A/S in the beginning of December 2008.

AVK Válvulas do Brasil Ltda., muito prazer!*

*AVK Válvulas do Brasil Ltda., nice to meet you!

Andre Alves, Technical Manager, AVK Válvulas do Brasil Ltda.

South America was the last "shadow area" to be covered by AVK on the world map. With a population of 400 million people in an area of 17.8 million km², South America has a GDP of USD 2,200 billion. There are potential markets in countries like Brazil, Argentina and Chile which together have a population of more than 240 million people.

Brazil is practically a continent-wide country with more than 8.5 million km² (48 % of South America), 180 million people (45 % of South America), and a year-on-year increasing economy based on stability and an inflation control process that leads to a systematic and solid country development, proved by the increase of 5.4 % in its GDP in 2007, achieving USD 1,313 billion (60 % of South America).

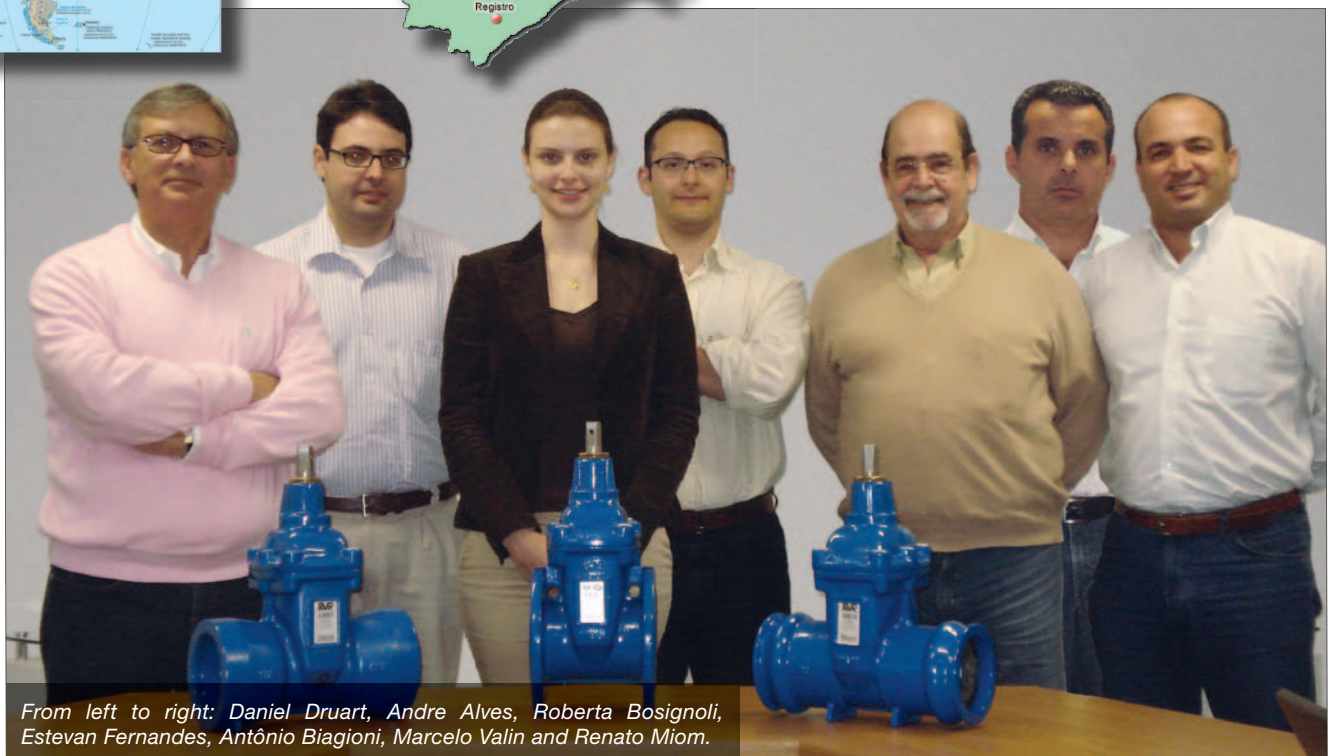
The sanitary market in Brazil has a very high potential, since the current coverage of water service is still

around 78 %, and 38 % in terms of sewage collection. Thus, investments in these areas are growing very quickly; the expected growth for the next 10 years is 5 % per year.

The biggest water company in Brazil – and probably in the entire South America – SABESP, is in charge of water distribution and sewage collection in more than 360 cities in São Paulo State, the most populous and developed state in Brazil, and the company contributes to around 30 % of the Brazilian economy.

The big challenge for AVK in South America is to secure the market against high level competition and live up to the quality demanded by the water companies. The first step is completed: in August SABESP technicians visited the factories in Europe to qualify the processes in AVK International A/S, Glenfield Valves Ltd., Wouter Witzel Euro Valve B.V, and AVK Rewag B.V..

This approval is not only related to product quality, but to the entire production process, including raw materials, logistics, production, sales, after sales service, etc. For each product an approval is required. SABESP is the biggest water company in Brazil, and the technical requirements for this company's approval are the



From left to right: Daniel Druart, Andre Alves, Roberta Bosignoli, Estevan Fernandes, Antônio Biagoni, Marcelo Valin and Renato Míom.

highest possible in terms of standards and inspections and therefore, many other smaller water companies adopt this approval as their own, due to its credibility and recognition in the entire country.

In order to comply with SABESP requirements, the AVK facilities have been equipped with a new test bench. The project and construction was completed locally by AVK Brazil. The test bench is designed for hydrostatic test of valves and repair clamps up to DN 600.

AVK is present in South America with its brand new office and warehouse located in Indaiatuba (Land of palms, in tupi-guarani language), São Paulo State, with 1000 m², around 100 km from São Paulo – the biggest city in Brazil, and 30 km from Campinas – the 2nd biggest city in São Paulo State – is connected with important roadways allowing quick and efficient logistics.

The location of AVK in São Paulo State is very important, as it is in the centre of the most populous and developed area of Brazil. Indaiatuba is close to the Metropolitan Region of São Paulo which comprehends 27 million people and a GDP equal to that of Hungary or New Zealand!

A strong and dedicated team is ready to face this challenge. Diversity of personnel and skills allows each employee at AVK Válvulas do Brasil Ltda. to help AVK with this achievement. Team spirit is the main point, and the common feeling "**together we are stronger**" represents much more than simple words.

Recently, AVK Brazil participated in one of the most important exhibitions for the sanitary market in Brazil – FENASAN – promoted by SABESP Engineers Association, in a successful approach with many customers. Here, AVK presented some new products to the Brazilian market, such as gate valves with PE ends, Supa Plus™ gate valves and gate valves with position indicator.

The opportunity is here, and AVK is ready to lead the way in South America.



Penstocks from AVK

By Bo Ellerup, Product Manager, AVK International A/S

We are pleased to announce that the product programme for the sewage segment has now been extended with AVK penstocks AP3 and AP4 giving you the opportunity of offering penstocks to our customers. T

Due to the special design the penstocks by far exceeds DIN 19569 part 4.

The advantages of the AP3 and AP4 are (AP3 = 3 side sealing and AP4 = 4 side sealing):

- one unit design with integrated spindle bearing.
- ready-to-install penstock, pressure tested in factory.
- elastic sealing between wall, frame and door to ensure a leak free operation up to 6 mvc.
- maximum 5 % of the theoretical possible leakage rate from rear side.
- maximum 1 % of the theoretical possible leakage rate from front side.
- sealing replaceable without removing penstock from wall.
- frame, door and spindle in AISI 304 or AISI 316Ti - higher grade on request.

- stem nut with integrated self-cleaning groove in seawater resistant bronze.
- sealing standard EPDM (UV-resistant) or NBR.
- Ultimate surface protection for all stainless steel parts.
-

AVK offers each of you a training session. Such a training session will take approx. half a day and should preferably take place in connection with local sales meetings where the sales people are gathered anyway.

If you need further information please contact Bo Ellerup - bel@avk.dk



AVK Armadan Sp. z o.o.

By Mirosław Kopyta, Technical and Marketing Manager, AVK Armadan Sp. z o.o.

In 2007, AVK Armadan Sp. z o.o. was part of the rebuilding of the main sewage pumping station "Garbary" in Poznan, Poland.

The anti-hammer solution was used for the main pumping line DN 1200 in waterworks "Aquanet" in Poznan.

AVK delivered the following air valves in standard design for the rebuilding:

- 11 series 25/46 OS&Y
- 5 series 701/78 and
- 6series 701/33

Mr Jozef Kozikowski from the designing office "Aqua" in Poznan and Mirosław Kopyta from AVK Armadan were responsible for the completion of this project.



The two inspectors from Aquanet with Mirosław Kopyta in the middle standing behind the ARI air valves.

Easing on down the carbon emissions road

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

Donna O'Brien, quality and systems manager at Aqua-Gas Manufacturing Ltd. (AGM), explains how the company has taken a significant initial step forward in understanding its carbon emissions and preparing for a carbon-restricted future.

Many of you will be aware of the increasing importance both UK and international governments are attaching to reducing carbon emissions over the next few years. With this political backdrop, it will come as no surprise to you that business is being increasingly targeted to play its part in reaching these targets.

Companies are being encouraged to invest in energy efficiency with tax reduction incentives and will have emissions "caps" (limits) placed upon them. The first of these for our business sector is due in 2010. It will be called the Carbon Reduction Commitment and will require participants to purchase "emission rights" from businesses that are below their "cap". This is the first scheme targeted at large and medium sized nonenergy intensive businesses and it is expected that it will be progressively extended to capture ever more companies.

[What does all this mean for AGM Corby and AVK Group?](#)

At this early stage it means three things:

- a. that as a group of UK companies we may have a carbon emissions cap placed upon us;
- b. that we will have to account ever more stringently for our energy use and direct and indirect carbon emissions using the Department for the Environment, Food and Rural Affairs' Key Performance Indicators (KPI's) and ;
- c. that our customers will increasingly ask us about how much carbon has been emitted in making our products.

[How can we best deal with these likely impacts and protect and grow our business while helping to achieve the overall reductions?](#)

The key to minimising both cost and administration impact will be our ability to easily record and analyse at regular intervals the energy use and carbon emissions of each of our business activities to ensure we have efficient processes.

In preparation, we have commissioned CarbonLow Limited

to provide AGM with an online supply chain carbon footprint monitoring system. Known as CLOEE (CarbonLow Ongoing Emissions Evaluation), the first phase of the system is now installed and allows us to record energy used in our Corby factory, by our inbound and outbound shipping and haulage, and our business travel by car, plane and train.

CLOEE allows us to allocate data input requirements by department in order to minimise our additional workload. We receive text or e-mail reminders to upload the data for each period. The collection of data from AGM is in the process of being automated such that energy use profiles can be analysed in detail using sophisticated energy use software called Altitude. This will be used to assess whether investment in more energy efficient equipment can be brought forward.

It is important to remember that all actions that we take as individuals and employees of AGM and AVK will impact our supply chain carbon footprint in one way or another. With this in mind, we will be continually looking for ways to reduce our energy spend and therefore our carbon emissions in advance of any fixed targets which may be imposed.

[Benefits so far](#)

The benefits of the process so far are that we have a clear understanding of our direct and indirect (supplier) carbon emissions and their relative impact on our overall carbon footprint.

We have been able to analyse the costs of each aspect of our supply chain and look at ways to improve the process. We have, for instance, removed as far as possible the need for air freight; we have looked at minimising inbound and outbound shipments; we are in the process of analysing whether energy is wasted by our air-compressors; we have a clearer understanding of the cost savings that can be made through negotiation with our electricity and gas suppliers.

Overall, we have targeted a 5 % reduction in energy (including haulage and shipping) spend during the year 1st October 2008 - 31st September 2009. This will bring similar reductions in our carbon emissions. CLOEE allows us to easily compare periods of choice against our "baseline" period and thus show our progress both internally and, increasingly, to our customers. Having captured the data, we can now easily report our emission KPI's.

AVK valves installed for district cooling in Gothenburg

By Eddie Holmqvist, VD, AVK Sweden AB

Modern commercial properties are well insulated. If people are to feel comfortable and be effective, it is important to make sure that the indoor climate is always pleasant and maintains a comfortable temperature.

Cooling is mainly produced by district heating-powered absorption cooling machines. During the winter months, we also use natural cooling, i.e. the cold outside air.

One of the advantages of district cooling is that the customer does not need to maintain his own cooling machines in the property. This also releases space that can be used for something else.

Another advantage is that our cooling reduces the consumption of electricity by 80-90 % in comparison with production in cooling plants that only use cooling compressors. It also reduces the use of environmentally harmful coolants and improves the customer's working environment by reducing disturbing noise and vibrations.

Svanesundsör is contracted by Göteborg Energi AB. The company has installed more than 20 large DN 500 - DN 600 gate valves (series 55) and butterfly valves (series 756) during 2008. For smaller valves DN 90 - DN 315, the AVK series 36 has been the perfect choice.

Svanesundsör is a family-owned company based in Svanesund just outside Gothenburg. The company is well-known for its expertise in PE pipe installations and welding.



Saltwater pump station, Cape Town, South Africa

By Craig Less, Product Manager – AVK Valves Cape Town, Southern Africa

We are pleased to announce the successful operation of the saltwater pump station on the Cape West Coast (Veldrift). The project was designed and managed by BKS Consulting Engineers. This pump station will be the primary salt water source for one of the largest salt farms in the

Western Cape, South Africa (Veldrift Salt Company). AVK Valves South Africa supplied Wouter Witzel Butterfly valves from sizes DN 100 – DN 400. The Wouter Witzel range offered valves with a high quality solution consisting of aluminium bronze bodies with duplex stainless steel inner

parts complete with KX corrosion treated Auma gearboxes (specified by HD Aartsma – Pr Eng). This is not only a huge stepping stone for the salt water industry in South Africa, it also opens doors to other market sectors (water supply, shipbuilding, petrochemical, fire protection etc.)



From left to right: **Piet Botha** (Sales Manager, AVK Valves Cape Town), **Yntze Schrauwen** (owner of Veldrift Salt Company), **Henk Aarstma** (BKS Consulting Engineers. Pr. Eng), **Craig Less** (Product Manager, AVK Valves Cape Town), **Colin Pym** (BKS Consulting Engineers, Elec. Eng.)

Certus – the new PE service isolation valve

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

AVK UK Ltd. are delighted to announce the launch of the new 100 % clear bore PE service isolation valve called the Donkin Certus. Manufactured to exceed GIS/V7 part 2 and EN1555-4 standards, the Donkin Certus represents the future for PE Valves from AVK.

"The Donkin Certus ensures that we can meet the industry's demand for a comprehensive range of cost-effective PE valves that exceed standards worldwide," comments Mike Skeemer, Gas Product Manager.

The product is in the approval process with the BSI Kitemark scheme against GIS/V7 part 2. In addition to the specification requirement, the valves have been subjected to additional rigorous type-testing to ensure that they are suitable for the gas distribution environment, anywhere in the world.

The Donkin Certus is manufactured from PE 100 material which is weldable to both PE 80 and PE 100 pipe using electrofusion fittings. This gives maximum flexibility for both new and replacement service installations networkwide.

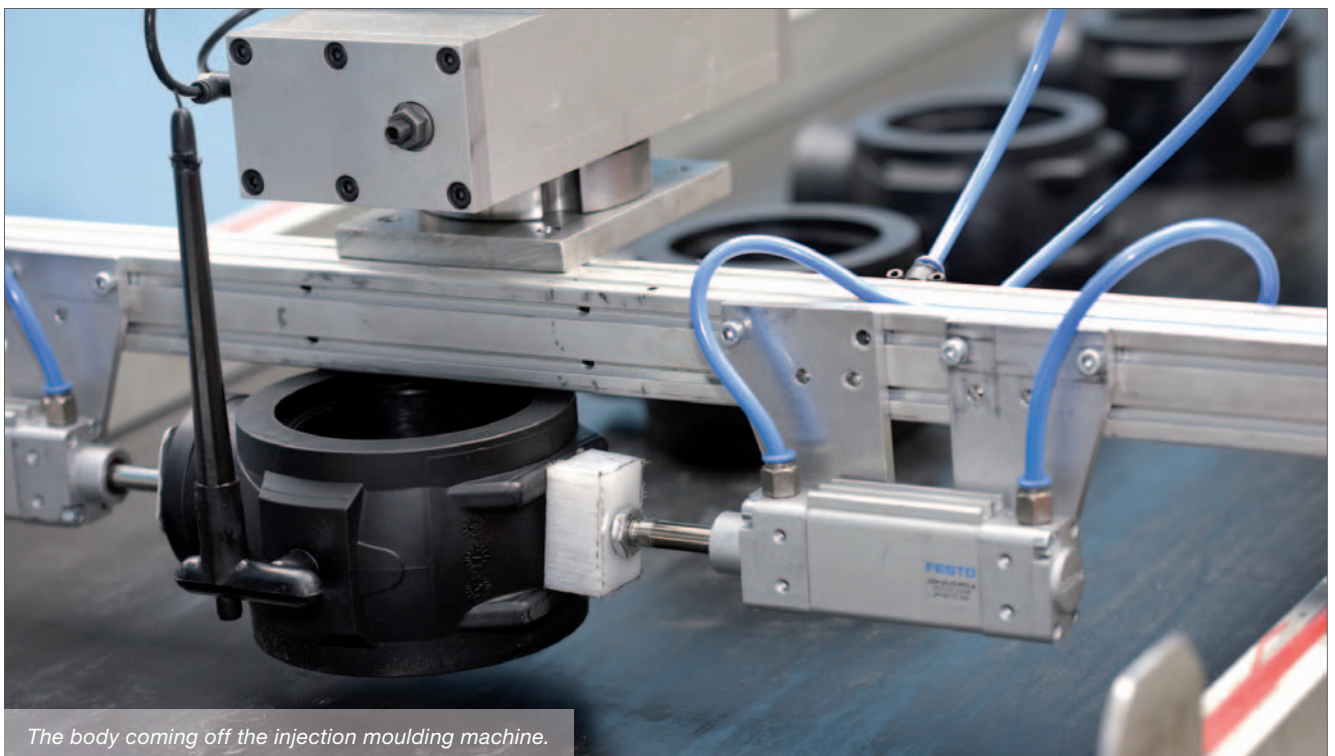
One of the key features of the Donkin Certus is the double length spigots: *"We have designed the Donkin Certus with double-length spigots that allow for two electrofusion joints,*

should the first joint fail there is still enough pipe on the valve to make a second. This means the valve is not wasted if the joint fails." comments Mogens Oestergaard Nielsen, Project Manager at AVK Tech.

Another crucial design feature which is unique to the Donkin Certus is the AVK safety cap. In the event of extreme over-torquing by the operator, the cap will spin, preventing any possibility of valve damage and a leak to atmosphere. The safety cap can then be easily replaced under live conditions. The safety cap is also bright yellow, ensuring that the Donkin Certus can be clearly identified as a gas valve.

Successful valve design has been achieved using the core competences present within the AVK Group worldwide. The AVK Technical Division designed the Donkin Certus system based on extensive customer feedback which has led to the decision to make the valve 100 % clear bore, thereby ensuring no pressure drop across the valve.

Quality is our highest priority in the AVK Group, the new Donkin Certus is fully traceable throughout manufacture; all components are linked to the valve's unique serial number which is permanently stamped on the valve and can be traced back to the raw polyethylene material.



The body coming off the injection moulding machine.

The Donkin Certus is designed, manufactured, assembled and tested by companies within the AVK Group. All PE components are injection moulded in the custom built AVK facility and the rubber seals (which are crucial to effective leak-tightness) are produced at AVK GUMMI A/S in Denmark, one of the world leaders in rubber moulding technology.

"It is important to demonstrate the control we have over our production processes" said Richard Stone, Sales Director at AVK UK Ltd., "as it gives our customers added confidence in the product. As part of the AVK family of products the Donkin Certus joins a long line of high quality, standard exceeding products."

Access to the installation is simple and repeatable thanks to the bespoke cost effective valve access system which is adaptable for 32 and 63 mm sizes. The system comprises:

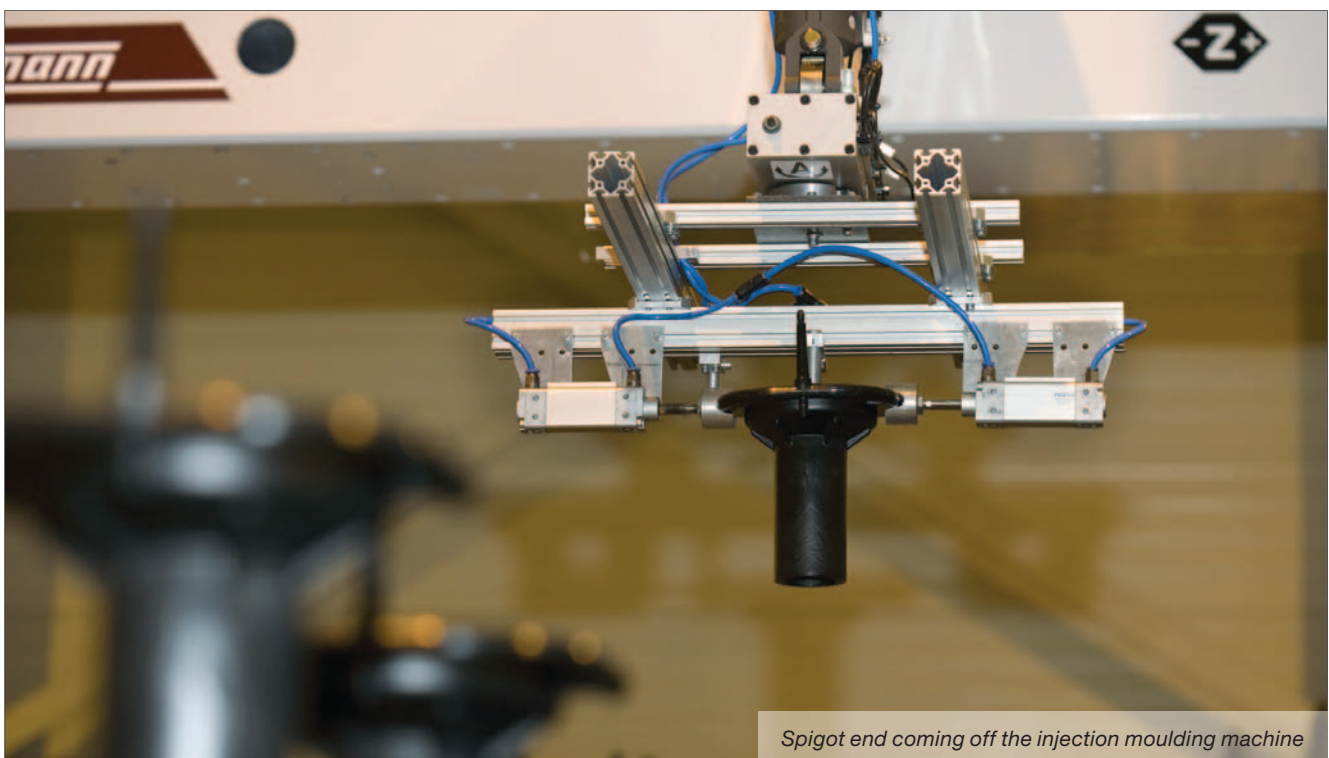
1. a base unit which ensures that the valve is always fitted in the correct orientation,
2. a downpipe which keeps access to the valve safety cap clear of debris,
3. and finally a surface box adapter which is compatible with all the recognised surface boxes available in the UK today.

The Donkin Certus is an 'A class' product, meaning that valves will be supplied from finished stock held at AVK UK Ltd. in Chesterfield within a maximum of two weeks of ordering. This is our commitment to the market and represents a significant longterm investment from the company.

"At this first stage our objective is to satisfy our home market exclusively, and we are offering the Donkin Certus in three diameters – 32 mm, 63 mm and 90 mm; but in due course we will add other sizes up to 315 mm that will take us into global markets." said Paul Jennings, Managing Director of AVK UK Ltd.. "We are confident that the Donkin Certus will be a success – it is a quality product that will exceed customer's expectations well into the future."



The three sizes of the Donkin Certus valve



Spigot end coming off the injection moulding machine

AVK Mittelmann Armaturen GmbH will be at the Wasser Berlin exhibition

By Ilka Draeger, Marketing Coordinator, AVK Mittelmann Armaturen GmbH

AVK Mittelmann Armaturen GmbH will also be exhibiting at this year's Wasser Berlin from 30th March - 3rd April 2009. Next to the IFAT exhibition in Munich, the Wasser Berlin is the leading trade fair for water business in Germany.

animations, no give-aways, and no extra gimmicks. Still, our dedicated sales staff will be there to show our latest product solutions and keep in touch with our customers.

(up to DN 600). This will certainly be an impressive presentation also including a DN 1000 butterfly valve, a DN 600 penstock and a DN 600 control valve which will surely attract the public to our booth.



After the sudden cancellation of participation from a major competitor in the German market, it became even more important to show up at this exhibition to send a clear signal to the market.

Our presentation at Wasser Berlin will be reduced to a minimum – no

Also, there is more than enough to present. First of all we have the new series 7 underground hydrant (we presented the new R7 and K7 hydrant in the last issue). Next to the K7 which was shown at the IRO in Oldenburg, the first proto type of the L7 series will be launched. We are of course also very proud to present the F4 series gate valves in large dimensions

Expanding our business within the industry sector, we will this year focus on the AVK fire protection programme. Many fire protection products like the wallpost indicator with gate valve, the grooved end gate valves, and the series 27 above ground hydrant (to name but a few) will be displayed and as appears, we have more than enough to show at the exhibition.

We have successfully reduced the costs for this exhibition to a minimum in order to keep strength in this difficult global financial situation. We are confident that this trade fair will help us gain new business and enhance our market position.

A Danish firefighter had a new Tattoo



Firefighter and team leader at Fredericia Fire Department, Carsten Madsen, has been a firefighter for 25 years. He wanted to celebrate his 25th anniversary in a different way and had an AVK hydrant tattooed on the upper part of his arm. He chose the AVK Niro hydrant because of the stylish design. When asked why he had chosen an AVK hydrant, he answered: "Well, it is the only one I know of".

We congratulate Carsten Madsen on his 25th anniversary.



The Slovak Craft Abilities Competition

By Katarína Galová, Sales and Marketing Department, AQUAGAS s.r.o.

The Slovak Craft Abilities Competition is an annual event based on the idea of improving relationships between Slovak service-provision companies and business and sales companies within the Slovak water industry. The purpose of the event is to share practical experience, ideas, technical knowledge, essential core skills, new working practices, and last but not least, to discuss important topics of how to improve services and businesses.

The 25th annual event was held on 10th - 12th September 2008 in the beautiful mountain area of Vrátna Dolina situated in the Northern part of Slovakia. This year's highly successful event was organised by SEVAK a.s. - North Slovakia Water and Sewerage Company. Representatives from many related organisations and companies competed against each other in several disciplines, like e.g. mounting valves on a pipeline within the shortest period of time. This friendly competition took place in an atmosphere of Slovak folk traditions and ambience and was enhanced by the natural surroundings.

The main sponsorship was supported by AQUAGAS s.r.o., the sole trading agent and distributor of AVK International A/S in Slovakia. AQUAGAS s.r.o. designs and provides systems comprising of valves and fittings for the water, gas, sewage and fire protection industries. The event was attended by Peter Chalás, Managing Director of AQUAGAS s.r.o. and Marián Potrok, Sales and Business Manager and salesmen Marián Lazár and Marián Drahovský also from AQUAGAS s.r.o.

This event has strengthened the image and spread the knowledge of AVK products to many technicians and operators within the Slovak water industry. It was an excellent opportunity to profile AVK International A/S in Slovakia. It was an enjoyable exhibition, and we would like to express our gratitude to everyone involved in making this a success.



The AQUA Exhibition in Trenčín, Slovakia

By Katarína Galová, Sales and Marketing Department, AQUAGAS s.r.o.

AQUAGAS s.r.o., the sole trading agent and distributor of AVK International A/S in Slovakia, takes part in the AQUA Exhibition in Trenčín every year.

The 15th annual event was held on 23rd - 25th September 2008, and this year's topics were water management, hydro-power engineering, environmental protection, communal technology and municipal equipment.

This exhibition was under the patronage of the Slovak Minister of Environment.

The AQUAGAS s.r.o. stand was also visited by the special guest - Ivan Gašparovič, President of the Slovak Republic, who was very interested in AVK products as appears from the picture below.

The AQUA Exhibition exceeded our expectations and gave us and our customers a lot of valuable information. We also gained access to many new successful business activities.



Exhibition "Kommunalteknikk 2008" in Norway

By Anne Dorte Laursen, Marketing Coordinator, AVK International A/S

In the period from 29th - 31st October 2008 AVK Norge AS participated in the exhibition "Kommunalteknikk 2008" in Oslo, Norway.

222 enterprises from all around Norway exhibited at the 8,500 m² exhibition with space both in - and outdoor. Approx. 15,000 visitors frequented Kommunalteknikk.

Our stand was very well visited. AVK displayed the new series 06/30 gate valve in large dimensions and the new combi flange for PE- and PVC-pipes.



AVK donation to improve training within the Romanian water sector

By Felix Gyori, Coordonator Regional de Vanzari, AVK International A/S, Romania

In the past few years, the Romanian water sector has undergone some profound changes by means of major EU financed investment programs as well as an institutional reorganisation of regional companies for the operators who will be in charge of servicing the hydrographical basins in the future.



SOMEȘ is one of the largest and most powerful regional water companies and currently the only one servicing two neighbouring counties. SOMEȘ founded a museum of water which is the only one of its kind in Romania and together with the Romanian Water Association, this company also formed a regional centre for continuous professional training in the water field (AQUAFORM).

The professional training of the Romanian water sector personnel and the familiarisation with new top technologies to be applied in the investment programs are vital issues within this area.

Based on the cooperation with



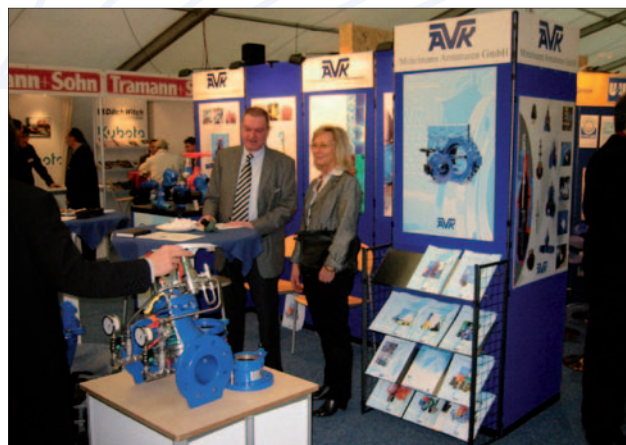
SOMEȘ, AVK decided to extend its involvement in order to help hands-on preparation of the trainees from all over the country who want to improve their skills. Thus, AVK donated valves, couplings and hydrants to SOMEȘ that are extremely useful to those who will have to operate the new networks after the investment programs completion.

Oldenburg trade days 5th and 6th February

By Ilka Draeger, Marketing coordinator, AVK Mittelmann Armaturen GmbH

"See you in Oldenburg" might have been the most spoken words when German valve people left for Christmas holidays. It is the first come-together of the year for all related people. Of course and unfortunately this year's "IRO" was also under the sign of the global financial crisis. That is why it was even more astounding that so many showed up – and the overall tone was surprisingly positive. The AVK Mittelmann booth was crowded like every year. Talking to the colleagues who were at the stand, one gets the impression that this exhibition is getting more crowded every year. The visitors who turned up in large numbers proved this true.

The great interest was especially generated by the new K7 show model and the grooved end gate valves that have been launched this year. No doubt – "see you in Oldenburg" will also be the most spoken words with our customers and partners when we leave for this year's Christmas holidays.



Pump stations in Hong Kong are using AVK products

Pictures sent in by Wilson Fung, Technical Sales Manager, AVK Valves Co. Hong Kong Ltd

Hong Kong, North Point pump station



Hong Kong Shak Wu Hiu Sewage pump station



The new Atlantis hotel in Dubai

Maxwell Felix, Regional Sales Manager, AVK Middle East F Z E, Dubai, UAE

Atlantis is the majestic focal point of Palm Jumeirah, a man-made island that has captured the world's imagination with its magnificent scale and ingenuity. Like its sister property in the Bahamas, Dubai's Atlantis features two hotel towers linked by an arch. In total, the resort holds 1,539 rooms and suites. Atlantis opened in November 2008 with a multi-million dollar party headlined by Kylie Minogue and featuring a display of firework that could be seen from space. It is a joint establishment between Kerzner International and the Dubai government-owned company, Istithmar.



The resort currently counts more leisure facilities than any other property in Dubai with Aquaventure – a 17 hectare water-based theme park with more than 2 kilometres of river rides; the Ziggurat - a 30 metre high Mesopotamian temple



with a waterslide that takes riders through a shark-filled lagoon; the Royal Towers Private Beach - a 700 m private beach with a children's play area; the Lost Chambers and the Ambassador Lagoon – a home to more than 65,000 marine animals; the Atlantis Spa – 27 treatment rooms set over two floors of the Royal Tower, plus fitness centre; the Dolphin Bay – three lagoons offering visitors the chance to swim and interact with dolphins.

The crowning glory to AVK here is that our series 27 dry barrel fire hydrants have been installed in the entire Palm Jumeirah and the Atlantis hotel area.

A hydrant rack

By Kent Culbertson, American AVK Company

This is a hydrant rack built by the City of Tahlequah, OK. The primary inspiration for this rack was to maximize yard space, but hydrant condition is obviously a huge bonus.

Basically, the theory is to keep the hydrants in the upright



position, to keep the shoe/base of the hydrant up off the ground (thereby protecting the main valve, o-rings, gaskets, etc. from dirt and debris), to make them easier to load onto service trucks, and to maximize the yard space available.

Each rack will hold roughly 30,000 pounds, and the hydrants can be lifted/slid out with a sling via a backhoe bucket. The picture shows the view from a distance; this is quite a sight when driving by on the street.

Each row stores 6- hydrants, and the shoe/base is at least 12" above the ground. The hydrants rest on their nozzle section, and they are amazingly secure. As you can see, there are 30 hydrants in a relatively small area. This would look great in any AVK distributors yard; imagine a customer driving up to a distributor with these hydrants standing like statues.

AVK Middle East at the World Future Energy Summit in Abu Dhabi on 19th - 21st January 2009

By Royce Paul, Regional Sales Manager, AVK Middle East FZE, Dubai, U.A.E

The World Future Energy Summit (WFES) exhibition was hosted by MASDAR, Abu Dhabi Future Energy Company. The headline for the exhibition was "Join the leaders - be a part of the solution". Approx. 300 companies divided between 12 country pavilions participated in the exhibition.

AVK Middle East (AVK ME) participated in the exhibition along with other Danish companies like Niras, Cowi, Danfoss, Henning Larsen, Schmidth Hammer and Vestas. The companies were presented at the Denmark pavilion under a common umbrella: The Danish energy solution. The Denmark pavilion was inaugurated by Connie Hedegaard, Minister of Climate and Energy, Denmark.

AVK ME presented valves and accessories for:

- Dams and reservoirs with products from Glenfield Valves Ltd.;
- Big transmission lines with products from AVK International A/S, Wouter Witzel EuroValves B.V. and Glenfield Valves Ltd.;
- Gas distribution with products from Donkin Valves Ltd.;
- District cooling with products from Wouter Witzel EuroValves B.V. ;
- Repair clamps from AVK Rewag BV.

The WFES theme was energy efficiency by thinking differently and replacing traditional energy consumption with new methods that have lesser impact on the environment.

Our message was that we are part of the future energy solution concept with various products which can be used

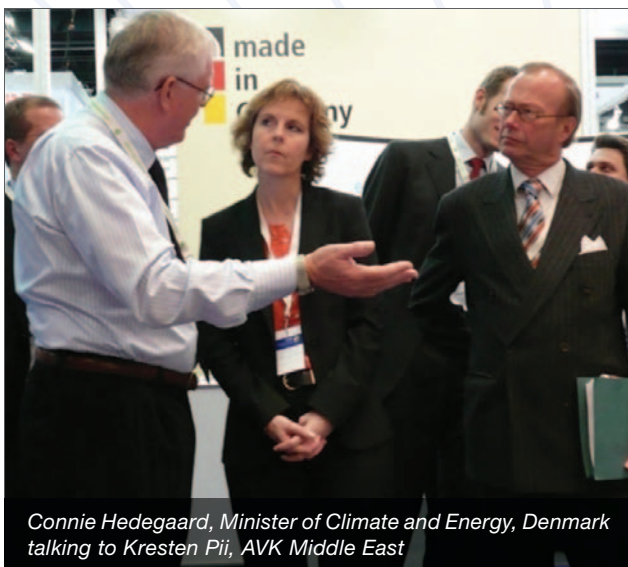
for supply of clean water, natural gas for production and comfort, effective handling of waste water, energy production from waste etc. We believe in advanced technology products and processes to achieve the highest standards of quality and service aiming for maximum energy savings.

Some of the topics highlighted by AVK were:

- Dams and reservoirs can be used to produce hydro power for irrigation.
- Big water transmission lines can be used for long distance transport of water as an alternative to desalinated water.
- Gas is the cheapest and cleanest fossil energy, to be utilized more instead of oil or coal.
- District cooling can replace small room units, saving up to 80 % in energy.
- Repair clamps can be used for emergency to limit the loss of water if a pipe burst occurs.

Kresten Pii and Royce Paul were present at the AVK stand during the three days exhibition to inform the visiting delegates about the AVK range of products and services. Among others, they welcomed Connie Hedegaard, Minister of Climate and Energy, Denmark; Hans Klingenberg, Danish Ambassador in Saudi Arabia; Ole Egberg Mikkelsen, Danish Ambassador in Syria, along with other dignitaries from different countries, organisations and departments.

The exhibition was a great success. It attracted over 16,000 visitors of which more than 8,000 were international visitors.



Connie Hedegaard, Minister of Climate and Energy, Denmark talking to Kresten Pii, AVK Middle East



The Danish Pavilion

Installation photos from all over the world



Nicola Melotti from AVK Italia Srl. will receive a sports bag for this picture.

Installation of two series 55/30 DN 600 in Reggio Emilia, Italy. The new stainless steel pipeline with six km extension ensures water to more than 100,000 people. This is one of the biggest projects in the Emilia Romagna region (Northern Italy).



Leif Lindbom from AVK International A/S, Finland will receive a sports bag for this picture.

Installation of series 06/30 in a TSV project (Turku water supply - Onninen project). The valves are installed in front of a flow measuring station.



Installation pictures, Denmark:

- A service connection installation in Kalundborg
- A P6 hydrant

Competition



We are happy to announce that the winner of interlink no 31 is: Gary Aitchison from Humes Pipeline Systems, New Zealand. Mr Aitchison chose a AVK running T-shirt.

The correct answer is: ISO top flange on a DN 450, 500 and 600 series 06/30 gate valve.



New:

Which product 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 running T-shirt in black with Danish text.

Let me know if you want a T-shirt for a woman or a man and which size; m, l, xl, xxl or xxxl.



Salad set from Bodum.



Chefs knife set from Bodum.

