

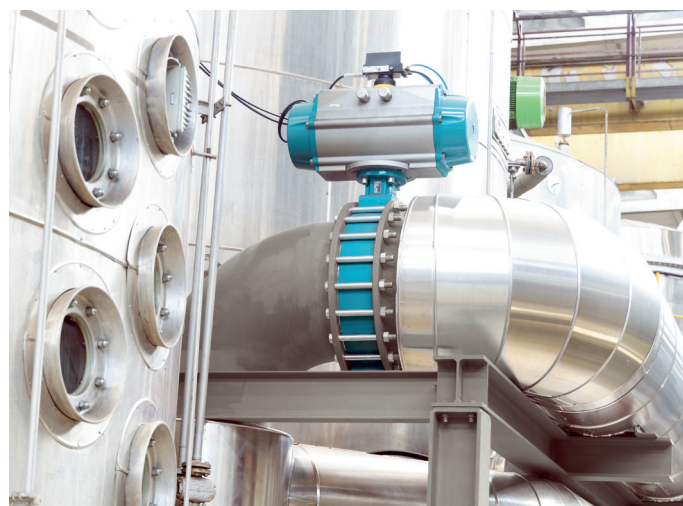


INDUSTRIAL VALVE SOLUTIONS



PROGRAM OVERVIEW

About AVK Industrial Nederland BV	3
Gate valves	5
Globe valves	6
Check valves	7
Ball valves	8
Butterfly valves	9
Knife gate valves	10
Steam conditioning	11
Couplings & Adaptors	12
Repico® Pipe & Repair Couplings	13
Firefighting	14
Actuation	15
Other products	16
AVK Industrial brands	19



WELCOME TO AVK INDUSTRIAL NEDERLAND BV

AVK Industrial Nederland BV is a subsidiary of AVK Nederland BV and a member of the global AVK Group. We pride ourselves in supplying a full range of industrial valves, process controls and actuation for a diverse range of industrial applications according to DIN, ANSI, BS and AWWA standards.



AVK's commitment lies in the delivery of quality products that meet international standards, with outstanding customer service and reliability, ensuring a complete package of valve solutions for our customers. We offer custom-made solutions for complex applications and have an extensive range of standard products.

Our industrial solutions are suitable for underground and above-ground applications in various industry segments. AVK's product range covers a broad range of valve types, including gate valves, globe valves, check valves, (control) ball valves, butterfly valves, knife gate valves, desuperheaters, fire hydrants, air valves, damper valves, penstocks, actuators, couplings, repair clamps and supplementary accessories.

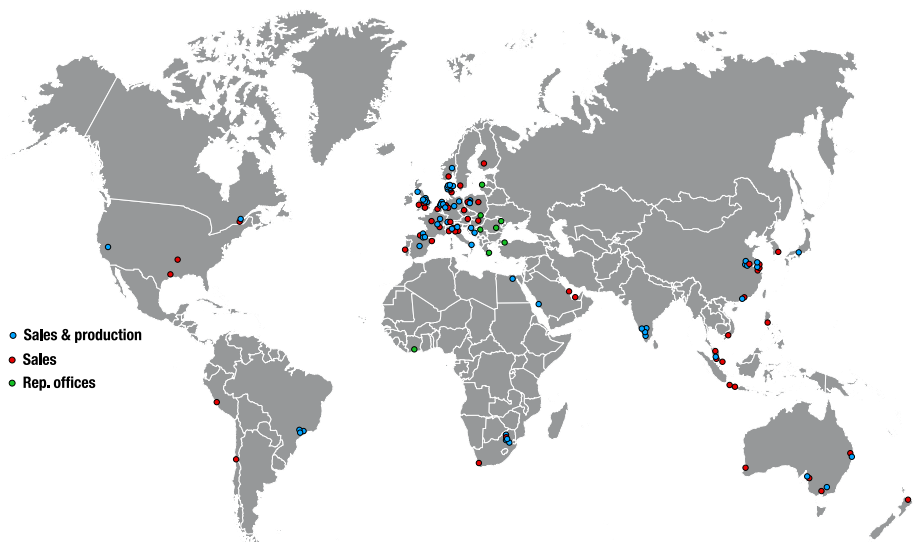
THE GLOBAL PRESENCE OF THE AVK GROUP

The AVK Group is a privately-owned industrial group that currently comprises over 100 companies worldwide. With a portfolio of strong brands, we design and manufacture valves and hydrants and provide solutions for the industrial and firefighting markets, water & gas distribution networks and sewage treatment facilities.

The foundation of the AVK Group is innovation and the dedication of our people. We believe in basic strategies that include being innovative, keeping our business straightforward and being close to our markets and customers, with a keen focus on their requirements. We work toward a better, more sustainable future, where natural resources are used and managed wisely.

Doing business with AVK is getting a share of know-how, expertise, and dedication. And as a global leader, it is our obligation to keep pushing the boundaries of what the market can expect.

In our business, five core values must be in place to meet customers' expectations: Quality, reliability, innovation, sustainability, and customer service.



YOUR INDUSTRIAL VALVES EXPERT

AVK Industrial Nederland serves as a valve competence centre, offering industrial products that comply to the highest safety and durability standards. We have an extensive range of products in stock, and provide comprehensive technical, project, and after-sales support. Feel free to challenge us with complex applications; we'll deliver solutions that suit your requirements.

Strong industrial AVK brands

As part of the AVK Group, AVK Industrial Nederland BV represents a wide range of AVK Group brands, including Cyl, DTL, InterApp, TEC Artec, OMV-INDOIL, Repico®, Wouter Witzel, and of course our own AVK portfolio, for a strong combined product offer.

Solutions for various industrial segments

Our extensive experience in designing and manufacturing high-quality, durable valves enables us to offer suitable solutions for demanding applications in various industrial segments. From water treatment plants to energy, chemical processing, food and beverage, oil and gas, maritime and firefighting industries, our industrial valves offer a low total cost of ownership.



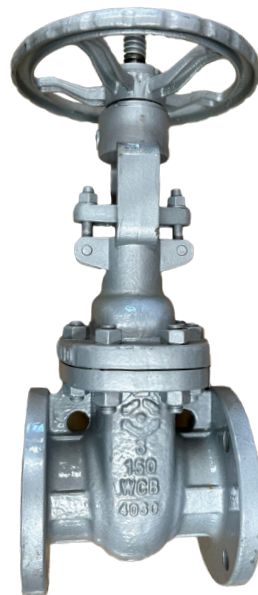
GATE VALVES

Gate valves are designed for fully open or fully closed service. They are installed in pipelines as isolating valves and should not be used as control or regulating valves. Gate valves are often used when minimum pressure loss and a full bore is needed and are suitable for both above-ground and underground installation.

AVK offers gate valves according to global standards and with a diversity of diameters, connections, and material configurations, in more than 500 variants. The vast majority of AVK's gate valves are resilient seated.

Segments:

- Water Treatment
- Energy
- Chemical Processing
- Food & Beverage
- Firefighting
- Oil & Gas



Types	Bolted Bonnet, Welded Bonnet, Bellow Sealed, Pressure Seal Bonnet Outside screw and Yoke Rising Stem, Inside screw, Cryogenic valves etc.
Sizes	DN 25 - DN 1200, 1/2" - 48"
Pressure	PN10 - PN420, Class 150# - 2500#
Material	Carbon Steel, Stainless Steel, Alloy Steel, Ductile Iron, Bronze, Duplex
Seat	Metal-to-Metal, Soft Seat
Connection	Flanged, Threaded, Butt weld ends, Socket weld ends
Operating	Manual, Pneumatic, Electric, Hydraulic
Design standard	API 600, BS 1414, BS 6364, ISO 10434, API 603, API 622-624, ASME B16.34, ASME B16.10, EN 12516, EN 1092, EN 558, DIN 3202, EN 12627



GLOBE VALVES

Globe valves can be used for regulating flow as well as shut-off valve. Globe valves are designed to withstand high pressures, abrasion and extreme temperatures and they are suitable for manual and automatic operation.

AVK's industrial globe valves are an excellent choice to apply in critical installations in various industries. We offer a wide range of globe valves in numerous designs and materials for demanding applications.

Segments:

- Water Treatment
- Energy
- Chemical Processing
- Oil & Gas



Types	Bolted Bonnet, Welded Bonnet, Bellow Sealed, Pressure Seal Bonnet Outside screw and Yoke Rising Stem, Inside screw, Cryogenic valves
Sizes	DN 15 - DN 400, 1/2" - 16"
Pressure	PN10 - PN320, Class 150# - 2500#
Material	Carbon Steel, Stainless Steel, Alloy Steel, Ductile Iron, Bronze, Duplex
Seat	Metal-to-Metal, Soft Seat
Connection	Flanged, Threaded, Welded ends, Socket ends
Operating	Manual, Pneumatic, Electric, Hydraulic
Design standard	API 600, BS 1873, BS 6364, ISO 10434, API 623, API 622-624, ASME B16.34, ASME B16.10, EN 12516, EN 1092, EN 558, DIN 3202, EN 12627



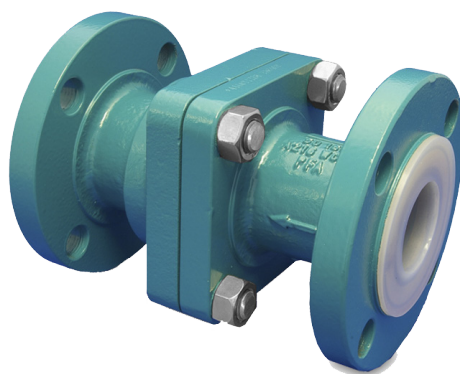
CHECK VALVES

Check valves prevent backflow of media in a pipeline system. It is a one way valve, which will close in case of backflow to protect the piping, other valves or pumps.

There are various types of check valves available for different applications. AVK offers a wide range of swing, ball, piston, tilting disc valves and nozzle and non-slam check valves.

Segments:

- Water Treatment
- Energy
- Chemical Processing
- Oil & Gas
- Maritime



Types	Swing, Ball, Piston, Tilting disc, Nozzle
Sizes	DN 15 - DN 1200, 1/2" - 24"
Pressure	PN10 - PN160, Class 150# - 2500#
Material	Carbon Steel, Stainless Steel, Bronze, Duplex, Ductile iron, PE, Fully Lined PTFE/PFA
Seat	Metal-to-Metal, Soft Seat
Connection	Wafer, Flanged, Threaded, Screwed, Welded
Design standard	API 600, BS 1868, API 594, API 6D, ISO 10434, API 602, ASME B16.34, ASME B16.10, EN 12516, EN 1092, EN 558, DIN 3202, EN 12627



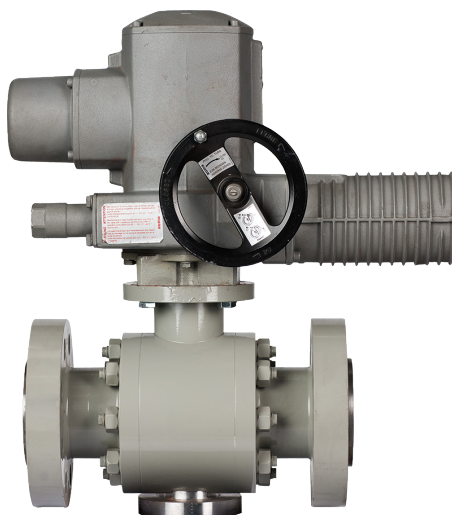
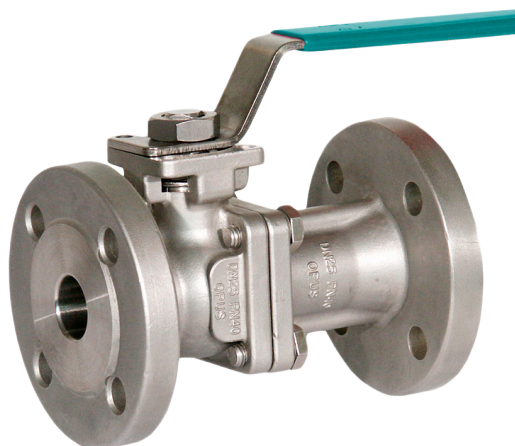
BALL VALVES

Ball valves are used to control the flow of media. These valves are widely used in various industries due to their exceptional reliability, versatility, and ease of operation.

AVK has a wide range of industrial ball valves, which are also suitable for corrosive and cryogenic media. We offer different types of ball valves with 1-piece body, 2-piece body, 3-piece body, top entry, floating and trunnion mounted ball.

Segments:

- Water Treatment
- Energy
- Chemical Processing
- Oil & Gas



Types	1 Pc, 2 Pc, 3 Pc, Top Entry, Cryogenic, Floating Ball, Trunnion Mounted
Sizes	DN 8 - DN 600, 1/4" - 24"
Pressure	PN10 – PN160, Class 150# - 2500#
Material	Carbon Steel, Stainless Steel, Alloy Steels, Brass, Bronze, PE, Lined PTFE, PFA
Seat	Metal-to-Metal, Soft Seat
Connection	Wafer, Flanged, Threaded, Welded ends
Operating	Manual, Pneumatic, Electric, Hydraulic
Design standard	API 6D, BS 6364, ISO 10434, BS 5146, ISO 15848, API 600/6FA, ISO 10497, ISO 14313, ISO 5211, ASME B16.34, ASME B16.10, ASME B16.5, EN 12516, EN 1092, EN 558, DIN 3202, EN 12627



BUTTERFLY VALVES

A butterfly valve is a shut-off valve with a relatively simple way of operating. A quarter turn takes the valve from fully open to fully closed position and vice versa.

AVK offers one of the widest ranges of butterfly valves in the market reflecting our customers' requirements. This includes centric, double eccentric, triple eccentric with vulcanized liner, loose liner, as well as Metal-to-Metal. We offer a wide variety of material configurations for each of these types as well as any type of actuation.

Segments:

- Water Treatment
- Energy
- Chemical Processing
- Food & Beverage



Types	Centric loose liner, Centric vulcanized, Double eccentric, Triple eccentric
Sizes	DN 25 - DN 2800, 1" - 40"
Pressure	PN6 - PN64, Class 150# - 600#
Material	Carbon Steel, Stainless Steel, Bronze, Duplex, Ductile iron, PE
Seat	Metal-to-Metal, Soft Seat
Connection	Wafer, Lug, Flanged, Mono-Flanged, Welded
Operating	Manual, Pneumatic, Electric, Hydraulic
Design standard	EN593, API 609, ISO 5211, EN 15848-1, FDA EC 1935/2004, ISO 10497, API 607, DIN 3780, MSS SP-143, BS 6755 part 2, BS 6364, ASME B16.34, ASME B16.10, EN 12516, EN 1092, ASME 16.5, ASME B16.47, ISO 5752



KNIFE GATE VALVES

Knife gate valves are mainly designed for open/closed applications and to isolate specific sections in pipelines. Knife gate valves are particularly suitable for solids, sludge, viscous, corrosive, and abrasive media. The valves have a minimal pressure drop in fully open position, are easy to operate, have a relatively low weight and are cost-effective.

The AVK range of knife gate valves is suitable for a wide range of applications. We offer knife gate valves with lever, handwheel, pneumatic or electric actuation.

Segments:

- Water Treatment
- Energy
- Chemical Processing
- Food & Beverage
- Maritime



Types	Uni-directional, Bi-directional, Heavy duty
Sizes	DN 50 - DN 1800, ASME 2" – 36"
Pressure	PN6 - PN150, ANSI 125# - Ansi 600#
Material	Ductile Iron, Stainless Steel, Duplex
Seat	Metal-to-Metal, Soft Seat
Connection	Wafer, Lug, Flanged
Operating	Manual, Pneumatic, Electric, Hydraulic
Design standard	MSS SP-81, TAPPI TIS 405-8, EN 558, EN 1092



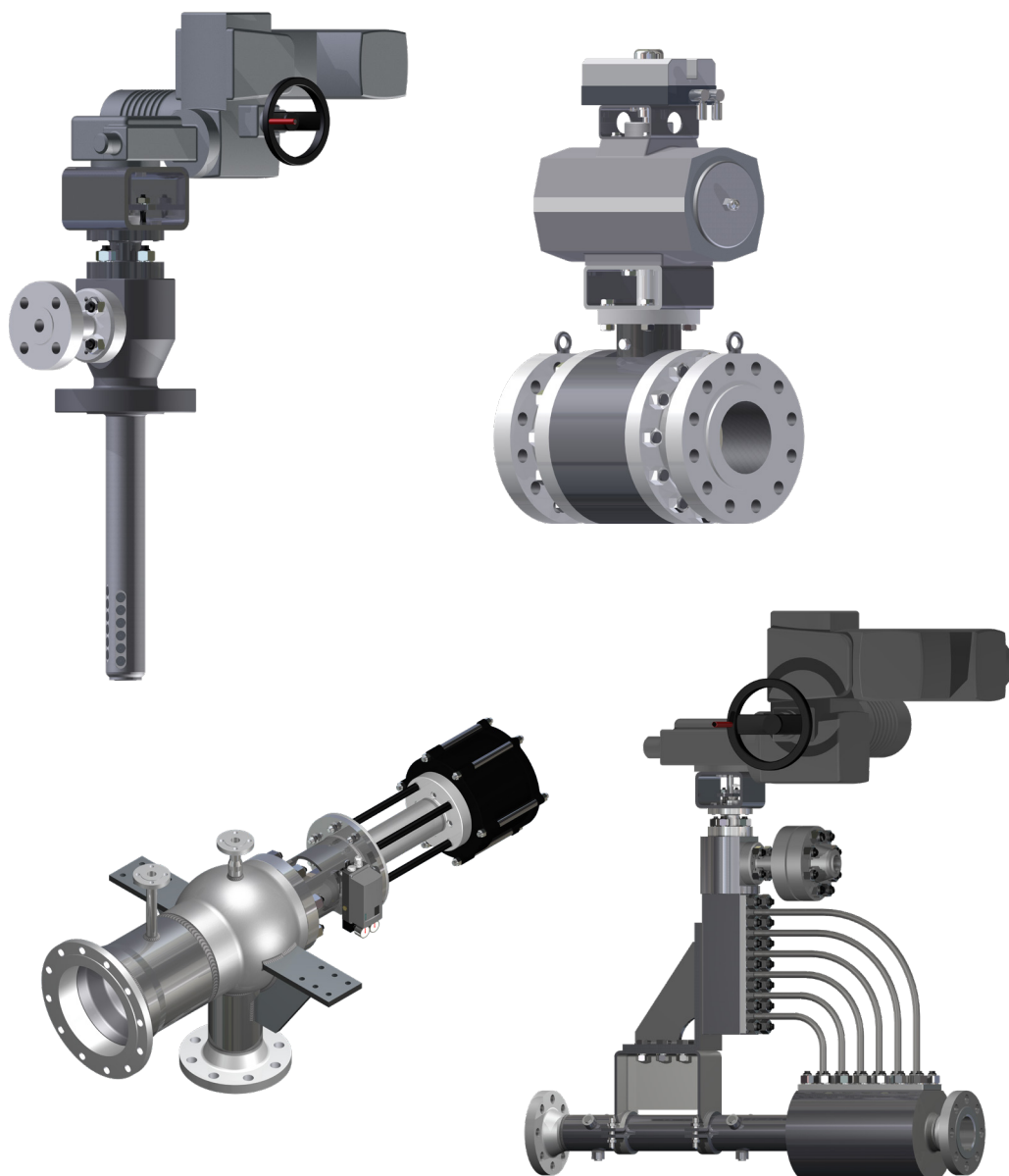
STEAM CONDITIONING

Steam conditioning controls temperature and pressure of steam and is used in gas and power plants, where they provide shut-off, control, regulation and protection. A desuperheater enables very precise regulation of injection water amounts for hot steam cooling. A control ball valve is for flow control and shut-off applications.

The AVK range of steam attemperation products cover the shut-off function for pipe flow in high pressure and high temperature applications for single or multi-phase fluids of all kinds. Our desuperheaters, steam conversion station, motive steam cooler, pipe spool and trunnion control ball valve work optimally under severe process conditions.

Segments:

- Energy
- Chemical Processing
- Oil & Gas



Types	Heavy duty+ 3 Pc Control Ball Valve, Desuperheaters
Sizes	DN 25/1" and up + DN 25 – 1400 1" – 56"
Pressure	PN25 – PN420 - 150# - 2500#
Material	16Mo3, 10CrMo etc. + Carbon Steel, Stainless Steel, Duplex, High Alloys
Seat	Metal-to-Metal, Soft Seat
Connection	Flanged, Welded ends
Operating	Pneumatic, Electric, Hydraulic
Design standard	ASME, DIN



COUPLINGS & ADAPTORS

Couplings and adapters can be divided into two main categories. Dedicated and universal – which again can be divided into tensile and non-tensile types, resulting in four main categories: Dedicated couplings with and without tensile resistance and universal couplings with and without tensile resistance.

AVK offers a wide range of universal and dedicated tensile and non-tensile couplings, flange adaptors and end caps designed for easy installation. The excellent corrosion protection and rubber quality ensure durable solutions.

Segments:

- Water Treatment
- Energy
- Chemical Processing
- Oil & Gas
- Maritime
- Firefighting



Types	Straight Coupling, Reduction Coupling, Flange Adaptor, End Cap
Sizes	DN 15 – DN 2000
Pressure	PN10 – PN16
Material	Ductile Iron, Steel
Sealing	EPDM, NBR
Design standard	EN 14525, EN 12842, EN 1092



REPICO® PIPE AND REPAIR COUPLINGS

With Repico® stainless steel couplings you connect pipes fast and reliable without flanging, threading, grooving or welding. You can quickly and easily create a tensile-resistant or flexible pipe connection with a progressive sealing. Without special installation tools you can make a safe connection, which is maintenance free and has a long service life.

In case of a leakage, you can apply the Repico® repair coupling, for easy, quick and permanent repairs of pressurized pipes.

Our Repico® couplings have been thoroughly tested by internationally renowned certified bodies and are approved, among others, for the demanding applications in the maritime segment.

Segments:

- Water Treatment
- Energy
- Chemical Processing
- Oil & Gas
- Maritime
- Firefighting



Types	Pipe couplings: Grip, Grip Plast, Slip and Slip Grip Repair couplings: Two locks and Hinge
Sizes	DN 15 - DN 2000
Pressure	PN 2,5-40, 1-42,7 bar
Material	Stainless Steel 316L
Sealing	EPDM, NBR, FKM, Silicone
Approvals	DNV, Lloyds, Rina, BV, ABS



FIREFIGHTING

In emergency situations, properly functioning firefighting installations are a must. For indoor firefighting installations, it is important that the valves and accessories used are of high quality, to ensure that they will function effectively even after a long period of inactivity. Outdoor firefighting systems are indispensable on industrial sites. In many different industrial processes, fire can break out relatively easily. Therefore, the firefighting systems must fulfill the highest requirements.

Our wide range of valves, hydrants and accessories for indoor and outdoor firefighting is FM or VdS approved and UL certified and complies with international standards. So you can choose AVK firefighting products with confidence.

Segments:

- Firefighting



Types	Above-ground and underground Hydrants, Gate Valves, Post Indicators, Butterfly Valves, Check valves
Sizes	DN 50 - DN 600, 2" - 24"
Pressure	PN10/16, Class 150#
Material	Ductile Iron
Connection	Flanged
Design standard	UL certified/FM approved, AWWA C509/C502, DIN EN 1074, DIN EN ww1092, ANSI B 16.42, class 125/150



ACTUATION

Our technical experts at our valve competence centre specialize in providing the right industrial valve, equipped with the most suitable actuators. This ensures one single point of responsibility. By aligning customer requirements and operating conditions, we select the most energy-efficient actuators, significantly reducing operating costs.

Our expertise covers all types of actuators, electric, pneumatic, and hydraulic, and our service engineers are trained and skilled to install and adjust actuators tailored to your specific requirements.

For the actuation of our industrial valves, you can select manual operation via handwheel, lever or gearbox or an automatic operation with a pneumatic, electric or hydraulic actuator.

Lever

- For manual operation
- For butterfly valves up to DN 200
- Optional: locking plate with lock holes for 10 positions



Worm gear

- Adjustable limit stop and position indicator



Pneumatic

- Single acting (spring to open or spring to close)
- Double acting
- Rack & Pinion, Scotch Yoke
- Mechanical position indicator included
- Optional accessories: solenoid valve, limit switches, positioner, stroke limiter etc.

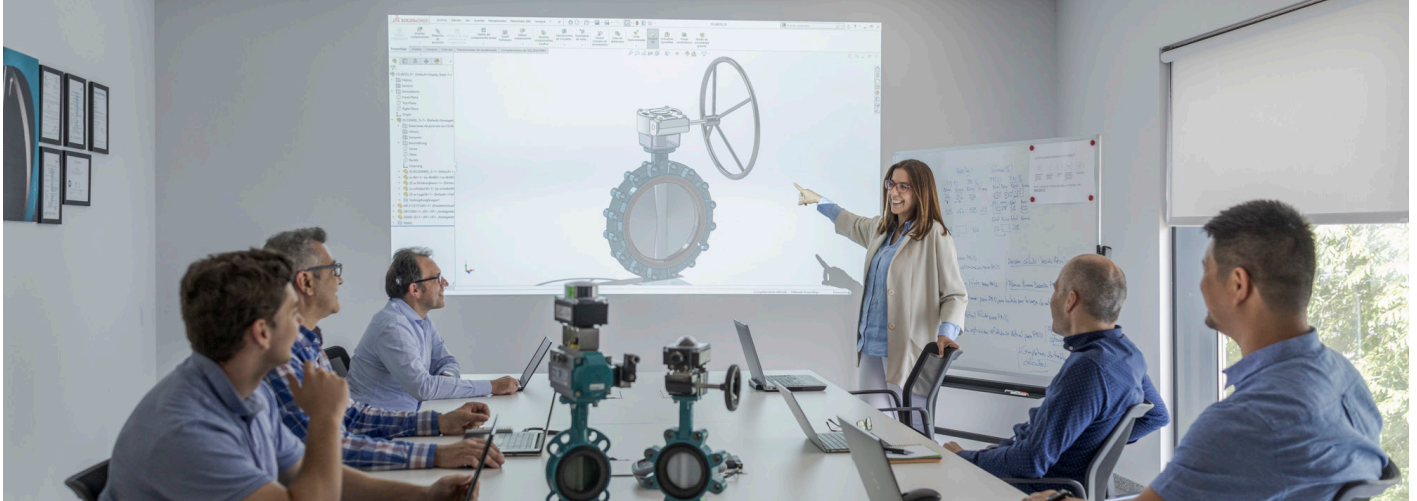


Electrical

- AC or DC motor
- Various options available: Local or remote control and signaling



INTEGRATED SOLUTIONS FROM A SINGLE SOURCE



AVK Industrial Netherland is a well-known supplier with an extensive supply chain and products that are mainly produced in Europe. We are your single source supplier for integrated solutions. We combine the expertise of our dedicated AVK-group members, have direct and efficient communication with our production companies and guarantee a fast delivery of our quality products with a long service-life.

Our technical know-how allows us to coordinate projects from initial product selection to final commissioning. We deliver optimal valve solutions based on our application knowledge, competent local support and international coordination.

One-stop-shop

As part of our commitment to customer convenience, AVK offers “one-stop-shop” service. In addition to our wide range of industrial valves, hydrants and couplings mentioned in this brochure, we also supply damper valves, air valves, needle valves, PRV control valves, plug valves, penstocks, y-strainers, fittings, repair clamps, Smart Solutions for monitoring valves and hydrants and other essential products and accessories for your project. Our dedicated sales department is ready to guide you in selecting the right solutions for your specific situation.



QUALITY IN EVERY STEP



At AVK Industrial Nederland, we apply strict quality control programs throughout every step of the manufacturing process.

Our products undergo type testing during the design phase to ensure they meet standard criteria for strength, operation, and endurance. During assembly, dimensional and visual inspections take place, followed by a series of production tests aligned with standard requirements.

Stock and distribution

AVK Industrial Nederland's logistics centre efficiently manages stock and distribution. Our warehouse is controlled by automated processes, such as WMS with barcode scanning and automated handling of your orders. We have an extensive range of products in stock to meet our customers' requirements for both projects and MRO business.



State-of-the-art production facility for stainless steel products

Our state-of-the-art production facility for stainless steel products is, among other machinery, equipped with welding cobots and robots. We manufacture tens of thousands of stainless steel repair clamps, Repico® couplings, and support bushes annually.

Own rubber factory

AVK GUMMI, our own rubber factory, has been producing high-performance rubber components for demanding applications for more than 40 years. The manufacturing system includes precise control over each rubber compound, full traceability, SPC control, FMEA, and an exceptionally clean production environment.

Technical Service Engineers

At our valve competence centre, we offer comprehensive services for modifying and repairing various types of valves. Additionally, we can customize materials to meet specific customer requirements. When required, we can equip your valves with electrical, pneumatic, or hydraulic actuators. Our dedicated and skilled service engineers are trained to install valves and fittings in a wide range of piping systems. Furthermore, our service team is ready to assist with any technical issue(s) on-site.



AVK YOUR LONG-TERM PARTNER

Respect for the Environment

We believe in long-term partnership and in being close to our market, always putting the needs of our customers first.

Our products are used in vital infrastructures, including water supply, wastewater handling, energy supply, as well as a wide range of industrial applications that together contribute to sustainable development, people's health and an improved environment.

At AVK, we recognise that our global presence requires high ethical standards throughout our organisation and in all our actions. We want to be a responsible and credible company with the ability to balance economic, environmental, and social concerns. Therefore, we support international principles for responsible business operations and contribute to the UN's Sustainable Development Goals (SDGs).



Contribute to sustainable development

The United Nations' 17 Sustainable Development Goals (SDGs) provide the framework for global sustainable development efforts. The goals recognise that social, economic and environmental development are connected with each other and that a common, global effort is needed to achieve sustainable results.

Corporate Social Responsibility

We take our social responsibility seriously and are proud that we have achieved the CSR Performance Ladder level 4. Every year, AVK Industrial Nederland determines several CSR themes to which we will pay extra attention, based on our stakeholder analysis. With these themes we contribute to the United Nations Sustainable Development Goals (SDGs).

People and Environment

We attach great importance to People & Environment in our business operations. In addition to CSR, circular purchasing, the development of the Material Passports, sustainable production, recyclability of raw materials, end products and packaging materials, sustainable energy and social return are essential fundamentals of our business operations.

'Our aim is to create a better world around us together with our customers, suppliers, employees and other stakeholders.'

AVK INDUSTRIAL BRANDS



AVK is market leader in valves, hydrants, and accessories.

AVK is renowned worldwide for high-quality valves and hydrants. We contribute to sustainable solutions within supply of clean drinking water, reduction of water loss, collection and treatment of wastewater, distribution of gas and biogas, and efficient irrigation and firefighting.



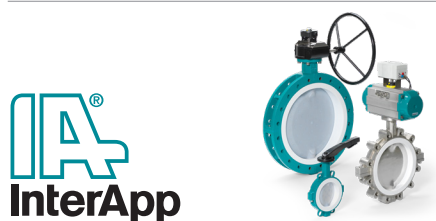
CYL designs and manufactures knife gate valves for flow control processes.

For more than 25 years CYL is the worldwide leading provider for technical solutions in knife gate valves for the most severe applications. Their strength is to develop comprehensive solutions adapted to specific requirements.



Damper Technology Limited, manufactures custom damper solutions.

DTL can provide a complete range of damper products to all industries where the isolation, control and diversion of air and flue gases is critical for their applications and systems.



InterApp designs, produces, and sells high-quality valve solutions worldwide.

With more than 50 years of experience, InterApp valves are used in the most demanding applications and industries, helping you transport and regulate liquids, gases and solids in the safest way possible.



Repico® offers a complete range of pipe and repair couplings.

The stainless steel Repico® couplings offer a quick but durable connection or repair solution for all pipes. The Repico® range is manufactured in our production location AVK Rewag in the Netherlands which has over 40 years of experience in manufacturing both standard and custom stainless steel products.



TEC artec offers high-pressure control valves and desuperheaters.

TEC artec has accumulated knowledge and experience in applications for the gas and power plant industry with high pressures, extreme temperatures, and aggressive media, and rely on more than 25 years of experience in developing.



INDOIL designs and produces high-performance valves.

With more than 30 years of experience in producing high-performance valves in various materials, INDOIL delivers specialised solutions according to customer's requests within the oil & gas, chemical processing and energy sector.



Wouter Witzel is a leading manufacturer of vulcanised butterfly valves.

A Dutch manufacturer of vulcanised bonded concentric butterfly valves and actuators. With 65 years of experience, Wouter Witzel is able to meet the most stringent demands in the market and offer customised solutions for almost every industrial application.



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