PRODUCT RANGE
AVK BALTIC

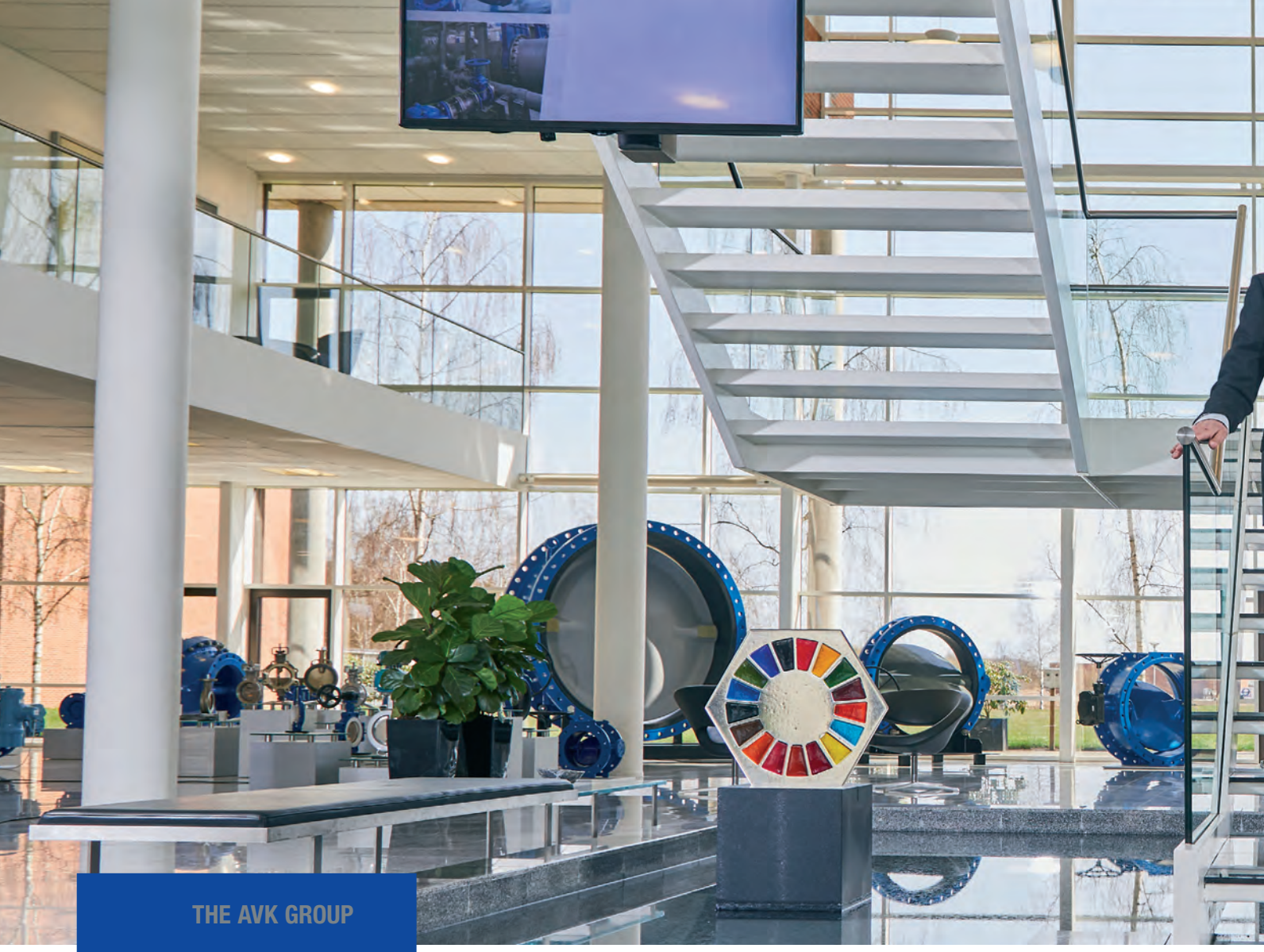
Expect...

TABLE OF CONTENTS

TABLE OF CONTENTS

TABLE OF CONTENTS

TABLE OF CONTENTS



THE AVK GROUP

DEDICATED PEOPLE
4,800+ employees, hereof approx. 250 in AVK International A/S

GLOBAL ORGANISATION
100+ AVK companies worldwide

CONTINUOUS GROWTH
Net turnover EUR 1020 million (2021/22)

AVK YOUR LONG-TERM PARTNER

AVK has been in the valve business for more than 50 years. Today AVK is a global market leader within water supply, gas supply, wastewater treatment and fire protection, and our offer also comprises a vast range of valves and accessories for irrigation.

The wide AVK range

AVK International A/S specialise in manufacturing gate valves, double eccentric butterfly valves, ball check valves, service connection valves, Supa Maxi™ couplings, extension spindles and selected types of hydrants and accessories.

We add numerous products to our range from the more than 20 other AVK factories in Europe as well as from AVK factories worldwide. These AVK factories specialise in other types of valves, hydrants and accessories, and jointly we are capable of offering a very wide selection of high quality products.

Global leadership and local commitment

Our geographical presence and product range is global, but our focus is local. Our customers are serviced by local sales organisations, in AVK's own sales companies or within our carefully selected distributors, who engage in their customers' needs. We are therefore able to offer tailormade solutions that match local specifications.

A beneficial partnership

We want to build and invest in a longterm partnership with our customers. To earn our role as a long-term partner, we strive to deliver value for money. We deliver error-free, durable and maintenance-free products that constitute the most cost-efficient solution for our partners in the long run.

AVK HAS THREE FACTORIES AND A LARGE DISTRIBUTION CENTER IN SKOVBY/GALTEN IN DENMARK, **ENABLING US TO OFFER A GREAT DELIVERY SERVICE.**

A very wide product range, fast delivery, high quality and competitive prices are what you can expect when dealing with AVK.

Quality in every step
AVK's products must meet the market requirements for a high and uniform quality, competitive prices, reliable performance and long durability. This imposes very high demands on our quality assurance system which of course is certified according to ISO 9001.

In our product development we use FEA (Finite Element Analysis) to optimise the strength and geometry of our components and CFD (Computational Fluid Dynamics) analyses to validate different product designs prior to creating physical prototypes. This enables us to predict consequences in cases where it is impossible to create full scale tests on physical products.

We make our own test and production equipment, and in our flow lab, we conduct thorough prototype and life cycle tests prior to release for production. New product types are typically field tested in co-operation with end users before final launch.

Our production sites are streamlined with optimized flows and automated processes which reduce the lead time and minimize repeated and manual work.

We work with anchoring LEAN in our company culture and use the tools to ensure continuous improvements and to eliminate waste.

Third party certification
Authorities such as DVGW (Germany), KIWA (the Netherlands) and UL & FM (the US) offer certification of finished valves, and these are also recognized and accepted by other countries that do not have their own certification schemes. By obtaining and maintaining the most widely accepted certification, we show our customers that AVK valves always meet the highest quality and safety standards.

Focus on the environment
AVK products are part of vital infrastructures, which play an important role for the local environment all over the world, such as distribution of potable water and safe and efficient wastewater treatment.

We do our best to make a difference, and for AVK, sustainability and sound economics go hand-in-hand. Reducing water loss actively helps reduce electricity consumption and protects one of our most valuable resources, and at the same time it saves money. Our high-quality solutions minimise environmental impacts caused by excavation, repair or replacement. This ensures that our business is based on a sustainable foundation.

AVK is certified according to the international ISO 14001 standard for environmental management and we work continuously to fulfil local environmental standards and minimise our environmental impacts, both in terms of production processes and materials.

Moreover, we are certified according to ISO 45001, the international standard for occupational health and safety management.

NEW PRODUCTS

PREMIUM 100 GATE VALVES – BUILT TO LAST A CENTURY!

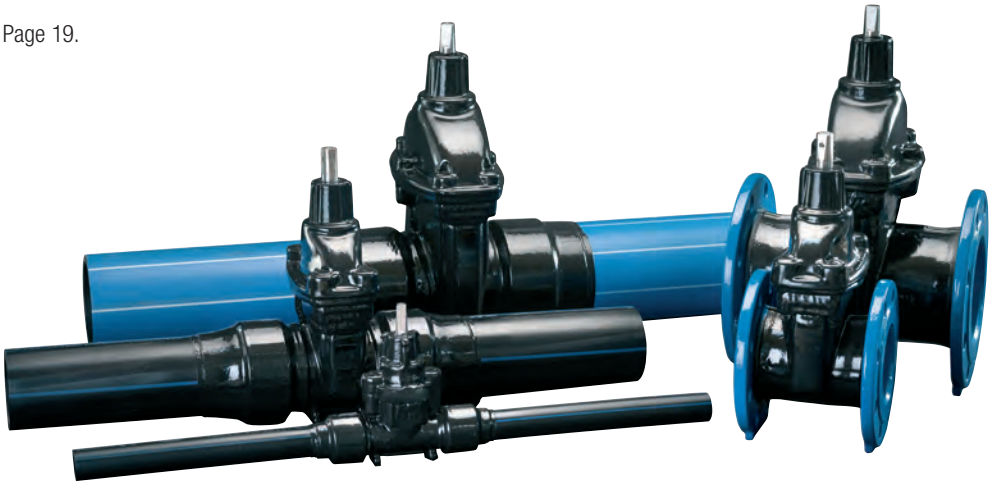
Premium 100 gate valves by AVK are made of the best materials, offering long life and maximum safety

We introduce a new range of valves made of the best materials, offering long life and maximum safety. They are designed to withstand minimum 10 times the EN1074-1 requirements to opening/closing cycles, corresponding to minimum 25,000 under normal flow/pressure conditions.

Features:

- Stem in duplex stainless steel w.1.4362
- Thrust collar and wedge nut in ECO BRASS
- AVK's renowned rubber compounds
- External PUR coating and 300 µm epoxy coating internally and externally
- AVK's renowned gate valve design according to global standards
- Full traceability of valve and main components
- 25 years warranty

Page 19.



EXTENSION SPINDLES WITH SOLID BAR

Our fixed length extension spindles for gate valves and service connection valves are now also available with solid inner bar.

We are pleased to launch new variants of our fixed length extension spindles featuring a solid bar to meet market demands for such a design.

As for the standard execution it is very easy to adjust the height of the extension spindle. You just mount the extension spindle on the valve, loosen the M6 bolt on the key adaptor, adjust to requested length by using a hack saw or the like, and retighten the M6 bolt.

The solid bar is made of steel and the key and stem adaptor are made of galvanised ductile iron. The stem adaptor is designed for outside mounting, encapsulating the valve stem, and it also fits on non-AVK valves. The extension spindles are available with key adaptor #14-22 for service connection valves DN20-50 as well as with key adaptor #23-32 for gate valves DN40-400, both with the usual pipe covers ranging from 800 to 3000 mm (1250-3000 in DN350-400).

Page 29.

For gate valves DN40-400

For service connection valves DN20-50

NEW PRODUCTS

SUPA MAXI™ STRAIGHT COUPLINGS AND FLANGE ADAPTORS ARE NOW AVAILABLE IN DN700

We are happy to release a new DN700 as an extension of our wide range of Supa Maxi™ universal tensile couplings

The straight coupling and flange adaptor in DN700 are suitable for all types of pipes with an outside diameter of 700-745 mm and are designed and tested according to EN14525 for applications up to PN16.

DN700 is added to the range of the below variants:

- 631/00-001 Supa Maxi™ straight coupling, with EPDM sealing
- 633/00-001 Supa Maxi™ flange adaptor, with EPDM sealing
- 631/80-001 Supa Maxi™ straight coupling, with NBR sealing
- 633/80-001 Supa Maxi™ flange adaptor, with NBR sealing

Page 95.

TELESCOPIC EXTENSION SPINDLES WITH BREAK ZONE

The break zone prevents damage to the valve and the extension spindle itself if too much torque is applied during operation.

We are pleased to introduce our new telescopic extension spindles with break zone in the key adaptor. The break zone prevents damage to the valve and the extension spindle itself if too much torque is applied during operation.

In such events the break nut will break and can easily be replaced. Meanwhile, the extension spindle can still be operated by means of a #20 socket wrench. Please see animation of the function.

The key adaptor consists of two parts – the key adaptor itself and a top spanner – and in between there is a break nut made of ECO BRASS DZR CW724R. All three parts are assembled with a socket head bolt.

The break nut will break at different ranges of torque depending on the valve size. Spare part sets are available consisting of a break nut and a spare socket head bolt that can be mounted by use of an Allen key. For further details, please refer to datasheets and the mounting instruction found via the links below.

Page 30.

For gate valves DN40-400

For gate valves DN450-600

NEW PRODUCTS

SUPER HYDRO UNIVERSAL FABRICATED COUPLINGS AND ADAPTORS

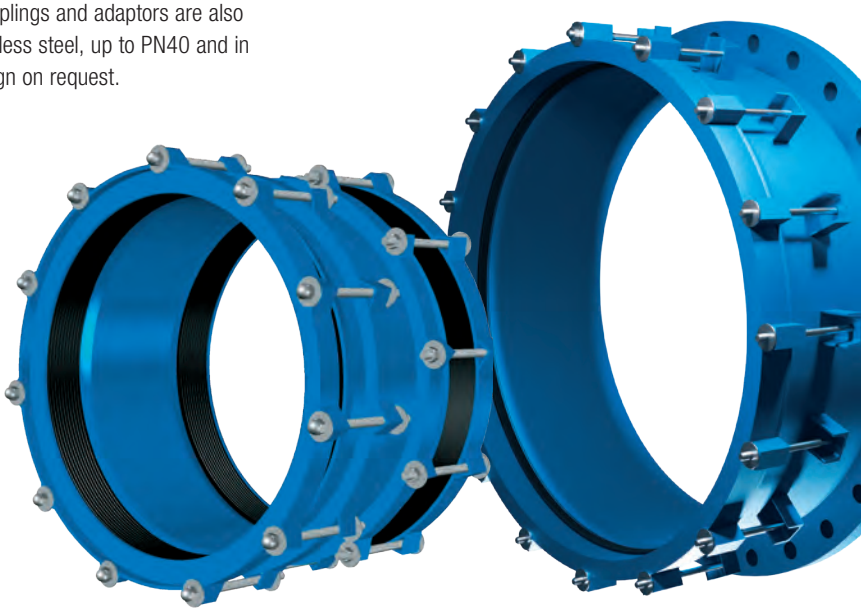
The new range in DN400-2000 complements AVK's wide range of couplings and adaptors.

We are pleased to introduce our new range of Super Hydro universal fabricated straight couplings and flange adaptors in DN400-2000 manufactured by HydroCos, a member of the AVK Group.

Super Hydro couplings and adaptors are designed to connect pipes of different materials and feature a large tolerance of 30 mm up to DN450 and 40 mm from DN500 on the outside pipe diameter. They are made of fabricated carbon steel with PLASCOAT PPA 571 ES blue RAL 5017, and both coating and EPDM gaskets are WRAS approved.

Super Hydro couplings and adaptors are also available in stainless steel, up to PN40 and in customised design on request.

Page 101.



GATE VALVES WITH SUPA MAXI™ END / PE END – A COMBINATION OF TWO GREAT DESIGNS!

We are pleased to introduce our new range of gate valves where two great AVK "connection designs" are combined. The Supa Maxi™ universal tensile coupling end connects to any pipe material and the PE pipe end enables direct welding into PE pipelines.

The new gate valve offers a compact, flexible and easy transition from any pipe material to a boltless electro welded PE pipe connection. It offers angular deflection and full tensile resistance, eliminates the need for extra bolts, gaskets and couplings and in this way facilitates a fast and safe installation with built-in shut-off.

Page 24.

NEW PRODUCTS

POM SERVICE CONNECTION VALVES WITH PENTOMECH™ COUPLINGS

Easy and secure connection to PE pipes

We are pleased to introduce AVK POM service connection valves with a new type of coupling called Pentomech™.

The unique Pentomech™ coupling is designed with an external compression nut offering easy and secure connection. After insertion of the PE pipe, the compression nut pre-compresses the conical gasket around the pipe, and at the same time compresses the tensile grip ring for an instant grip into the pipe surface. This ensures tensile resistance and tightness even at low pressure regardless of the pipe being slightly oval or having an uneven surface.

The valves are PN16 rated and are available in 4 sizes, suitable for all PE service connection pipes ranging from DN25/Ø32mm to DN50/Ø63 mm in both SDR11 and SDR17.

Page 33.

AVK

10-YEAR WARRANTY

AVK manufactured products are guaranteed against defects in workmanship and material used for a period of 10 years from the date of the passing of risks to the buyer (Incoterms 2020). This warranty shall only be valid if the product is installed correctly according to AVK installation instructions, if any, and accepted codes of good practice.

Further, the warranty shall be invalid if, at any time, the product is used for an application for which it has not been designed or which has not been recommended by AVK. In particular, AVK stresses that the warranty will be invalid, if at any time the customer changes the chemical composition of the medium or treatment of the medium for which the product is used, unless such change has been preapproved by AVK.

Any product which has been supplied, but not manufactured by AVK shall be subject to the warranty terms of the manufacturer.

Obligation under the warranty is limited at AVK's option to adjust, repair or replace, ex works point of sale, the defective products. The customer must immediately notify AVK of the claimed defect. AVK shall have the right to inspect said product and the customer shall, if requested, return the defective product to AVK with transportation prepaid. The customer shall assume all responsibility and expenses for removal and reinstallation and freight charges in connection to the foregoing remedy. AVK shall not be liable for indirect, special, incidental or consequential damages or penalties and does not assume any liability of purchase to others, or anyone for injury to persons or property. AVK shall accept no liability for product failure caused by abnormal operation conditions, war, violence, storm, cataclysm, or other cases of force majeure.

The decision of AVK in relation to any claims or disputes over warranty is final.

This warranty is in addition to AVK's general sales, delivery and payment conditions. In case of any discrepancy between this warranty and said conditions, this warranty shall supersede.

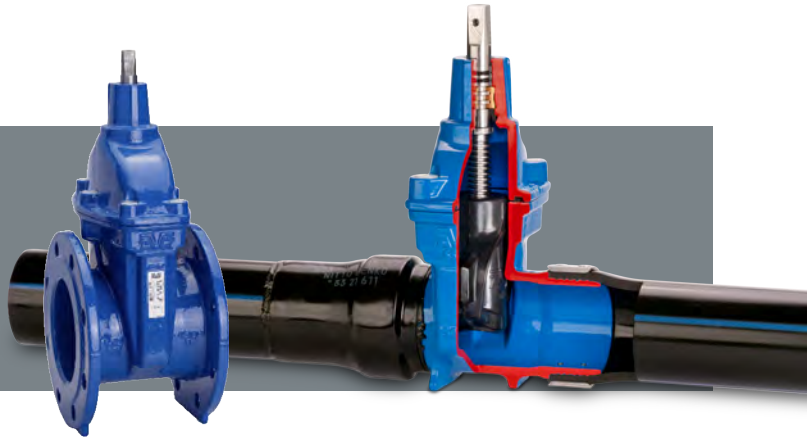
Kind regards

Morten S. Nielsen
AVK Group Director – Continental Europe

10-YEAR WARRANTY

GATE VALVES

AVK gate valves comply to the highest standards and hold worldwide drinking water approvals for coating, rubber and brass materials and for the valve itself.



AVK valves are a safe choice due to our high quality and durability and are characterized by a unique wedge design:

- Fixed integral wedge nut prevents vibration and corrosion
- AVK's wedge rubber features an excellent bonding and ability to regain its shape, minimum formation of biofilm, and high resistance to ozone and water treatment chemicals
- Fully vulcanized wedge shoes ensure stable function and maximum corrosion protection

AVK's gate valves with PE ends are ideal for a fully welded PE pipe system. We mount standard PE pipes on the valves, and this means that the same welding parameters can be used and a pipe approval that covers the entire PE network including valves can be obtained – up to Ø630 mm. he valve/pipe connection is as strong as the pipe itself and the extra-long pipe ends even leave room for an additional weld, if needed.

02/60-0035

Flanged gate valve

Face-to-face dimension according to EN 558 Table 2 Basic Series 15

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
02-040-60-014649	40	PN10/16	8.0
02-050-60-014649	50	PN10/16	9.3
02-065-60-014649	65	PN10/16	12
02-080-60-014649	80	PN10/16	16
02-100-60-014649	100	PN10/16	19
02-125-60-014649	125	PN10/16	24
02-150-60-014649	150	PN10/16	33
02-200-60-004649	200	PN10	54
02-200-60-014649	200	PN16	54
02-250-60-004649	250	PN10	88
02-250-60-014649	250	PN16	88
02-300-60-004647	300	PN10	126
02-300-60-014647	300	PN16	126
02-350-60-006 (1)	350	PN10	278
02-350-60-016 (1)	350	PN16	278
02-400-60-006	400	PN10	272
02-400-60-016	400	PN16	272
02-450-60-006 (2)	450	PN10	360
02-450-60-016 (2)	450	PN16	360
02-500-60-006 (2)	500	PN10	379
02-500-60-016 (2)	500	PN16	379

(1) Valve having an increased bore (400 mm)

(2) Valve having a reduced bore (400 mm)

02/52-010

Flanged Premium 100 gate valve

Face-to-face dimension according to EN 558 Table 2 Basic Series 15

Ductile Iron

EPDM drinking water approved

Fusion bonded 300 µm epoxy coating in compliance with DIN 3476 part 1, EN 14901 and GSK, and external PUR according to EN 10290 type 2 class B for extra cathodic protection

Clockwise to Close

NEW

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
02-040-52-014869021	40	PN10/16	8.3
02-050-52-014869021	50	PN10/16	9.7
02-065-52-014869021	65	PN10/16	12
02-080-52-014869021	80	PN10/16	16
02-100-52-014869021	100	PN10/16	18
02-125-52-014869021	125	PN10/16	24
02-150-52-014869021	150	PN10/16	49
02-200-52-004869021	200	PN10	54
02-200-52-014869021	200	PN16	54
02-250-52-004869021	250	PN10	110
02-250-52-014869021	250	PN16	110
02-300-52-004867021	300	PN10	160
02-300-52-014867021	300	PN16	160
02-350-52-004860023 (1)	350	PN10	320
02-350-52-014860023 (1)	350	PN16	320
02-400-52-004860023	400	PN10	330
02-400-52-014860023	400	PN16	330
02-450-52-004860023 (2)	450	PN10	360
02-450-52-014860023 (2)	450	PN16	360
02-500-52-004860023 (2)	450	PN16	417
02-500-52-014860023 (2)	500	PN16	417

(1) Valve having an increased bore (400 mm)

(2) Valve having a reduced bore (400 mm)

06/30-0035

Flanged gate valve

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
06-040-30-0146499	40	PN10/16	7.8
06-050-30-0146499	50	PN10/16	9.0
06-065-30-0146499	65	PN10/16	11
06-080-30-0146499	80	PN10/16	14
06-100-30-0146499	100	PN10/16	17
06-125-30-0146499	125	PN10/16	22
06-150-30-0146499	150	PN10/16	31
06-200-30-0046499	200	PN10	48
06-200-30-0146499	200	PN16	48
06-250-30-0046499	250	PN10	78
06-250-30-0146499	250	PN16	78
06-300-30-0046487	300	PN10	111
06-300-30-0146487	300	PN16	111
06-350-30-006	350	PN10	220
06-350-30-016	350	PN16	220
06-400-30-006	400	PN10	240
06-400-30-016	400	PN16	240
06-450-30-006 (1)	450	PN10	487
06-450-30-016 (1)	450	PN16	487
06-500-30-006 (1)	500	PN10	559
06-500-30-0060011 (2)	500	PN10	559
06-500-30-016 (1)	500	PN16	559
06-500-30-0160011 (2)	500	PN16	559
06-600-30-006 (1)	600	PN10	762
06-600-30-0060011 (2)	600	PN10	762
06-600-30-016 (1)	600	PN16	762
06-600-30-0160011 (2)	600	PN16	762

(1) With F14 top flange. Ø round stem w/keyway

(2) With F14 top flange and by-pass. Ø round stem w/keyway

06/30-029

Flanged gate valve

Face-to-face dimension according to EN 558 Table 2 Series 14 / DIN 3202 - F4

Ductile Iron

EPDM rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

Bevelgear with handwheel: 753-900-20-10011
Bevelgear with stem cap (key adaptor #26,5-32): 753-900-20-10050
Spurgear with handwheel: 753-900-40-10011
Spurgear with stem cap (key adaptor #26,5-32): 753-900-40-10050

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
06-700-30-00464	700	PN10	1403
06-700-30-01464	700	PN16	1447
06-800-30-00464	800	PN10	1467
06-800-30-01464	800	PN16	1543
06-900-30-00464	900	PN10	3099
06-900-30-01464	900	PN16	3131
06-1000-30-09043164	1000	PN10	3141
06-1000-30-09143164	1000	PN16	3208
06-1200-30-09043118 (1)	1200	PN10	4643
06-1200-30-09143118 (1)	1200	PN16	5084

(1) Two pack epoxy coated / not GSK approved

More info on page 172

06/30-030

Flanged gate valve **with by-pass**

Face-to-face dimension according to EN 558 Table 2 Series 14 / DIN 3202 - F4

Ductile Iron

EPDM rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

Bevelgear with handwheel: 753-900-20-10011
Bevelgear with stem cap (key adaptor #26,5-32): 753-900-20-10050
Spurgear with handwheel: 753-900-40-10011
Spurgear with stem cap (key adaptor #26,5-32): 753-900-40-10050

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
06-700-30-0046411	700	PN10	1415
06-700-30-0146411	700	PN16	1458
06-800-30-0046411	800	PN10	1496
06-800-30-0146411	800	PN16	1556
06-900-30-0046411	900	PN10	3113
06-900-30-0146411	900	PN16	3145
06-1000-30-090431641	1000	PN10	3158
06-1000-30-091431641	1000	PN16	3222
06-1200-30-090431181 (1)	1200	PN10	4651
06-1200-30-091431181 (1)	1200	PN16	5098

(1) Two pack epoxy coated / not GSK approved

More info on page 172

126/99-001

By-pass gate valve DN80 for AVK series 06 gate valves DN700-1000

Ductile Iron

EPDM rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
126-1000-99-1039464	80	PN16	16

06/34-0035

Flanged gate valve **with 1.4404/316L stem**

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
06-040-34-0146499	40	PN10/16	7.8
06-050-34-0146499	50	PN10/16	8.5
06-065-34-0146499	65	PN10/16	11
06-080-34-0146499	80	PN10/16	14
06-100-34-0146499	100	PN10/16	17
06-125-34-0146499	125	PN10/16	22
06-150-34-0146499	150	PN10/16	31
06-200-34-0046499	200	PN10	48
06-200-34-0146499	200	PN16	48
06-250-34-0046499	250	PN10	75
06-250-34-0146499	250	PN16	75
06-300-34-0046487	300	PN10	111
06-300-34-0146487	300	PN16	111
06-350-34-006	350	PN10	220
06-350-34-016	350	PN16	220
06-400-34-006	400	PN10	240
06-400-34-016	400	PN16	240
06-450-34-006 (1)	450	PN10	487
06-450-34-016 (1)	450	PN16	487
06-500-34-006 (1)	500	PN10	559
06-500-34-0060011 (2)	500	PN10	559
06-500-34-016 (1)	500	PN16	519
06-500-34-0160011 (2)	500	PN16	559
06-600-34-006 (1)	600	PN10	762
06-600-34-0060011 (2)	600	PN10	762
06-600-34-016 (1)	600	PN16	762
06-600-34-0160011 (2)	600	PN16	762

(1) With F14 top flange. Ø round stem w/keyway

(2) With F14 top flange and by-pass

06/44-0035

Flanged gate valve for **seawater applications** - Bronze wedge nut and 1.4404/316L stem

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

EPDM rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
06-040-44-0144299	40	PN10/16	7.8
06-050-44-0144299	50	PN10/16	9.0
06-065-44-0144299	65	PN10/16	11
06-080-44-0144299	80	PN10/16	14
06-100-44-0144299	100	PN10/16	17
06-125-44-0144299	125	PN10/16	22
06-150-44-0144299	150	PN10/16	31
06-200-44-0044299	200	PN10	48
06-200-44-0144299	200	PN16	48
06-250-44-0044299	250	PN10	78
06-250-44-0144299	250	PN16	78
06-300-44-0044287	300	PN10	111
06-300-44-0144287	300	PN16	110
06-350-44-00442	350	PN10	220
06-350-44-01442	350	PN16	220
06-400-44-00442	400	PN10	240
06-400-44-01442	400	PN16	240
06-450-44-00442 (1)	450	PN10	559
06-450-44-01442 (1)	450	PN16	559
06-500-44-00442 (1)	500	PN10	559
06-500-44-01442 (1)	500	PN16	559
06-600-44-00442 (1)	600	PN10	762
06-600-44-01442 (1)	600	PN16	762

(1) With F14 top flange. Ø round stem w/keyway

06/44-006

Flanged gate valve for seawater applications - Bronze wedge nut and 1.4404/316L stem

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
06-050-44-0134299	50	PN10/16	9.0
06-065-44-0134299	65	PN10/16	11
06-080-44-0134299	80	PN10/16	14
06-100-44-0134299	100	PN10/16	17
06-125-44-0134299	125	PN10/16	22
06-150-44-0134299	150	PN10/16	31
06-200-44-0034299	200	PN10	49
06-200-44-0134299	200	PN16	48
06-250-44-0034299	250	PN10	78
06-250-44-0134299	250	PN16	78
06-300-44-0034287	300	PN10	110
06-300-44-0134287	300	PN16	110
06-350-44-00342	350	PN10	220
06-350-44-01342	350	PN16	220
06-400-44-00342	400	PN10	240
06-400-44-01342	400	PN16	240

06/52-010

Flanged Premium 100 gate valve

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

EPDM drinking water approved

Fusion bonded 300 µm epoxy coating in compliance with DIN 3476 part 1, EN 14901 and GSK, and external PUR according to EN 10290 type 2 class B for extra cathodic protection

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
06-040-52-0148699021	40	PN10/16	7.7
06-050-52-0148699021	50	PN10/16	8.5
06-065-52-0148699021	65	PN10/16	11
06-080-52-0148699021	80	PN10/16	14
06-100-52-0148699021	100	PN10/16	17
06-125-52-0148699021	125	PN10/16	22
06-150-52-0148699021	150	PN10/16	31
06-200-52-0048699021	200	PN10	48
06-200-52-0148699021	200	PN16	48
06-250-52-0048699021	250	PN10	78
06-250-52-0148699021	250	PN16	78
06-300-52-0048687021	300	PN10	149
06-300-52-0148687021	300	PN16	149
06-350-52-0048600023	350	PN10	220
06-350-52-0148600023	350	PN16	220
06-400-52-0048600023	400	PN10	240
06-400-52-0148600023	400	PN16	240
06-450-52-0048600023 (1)	450	PN10	487
06-450-52-0148600023 (1)	450	PN16	487
06-500-52-0048600023 (1)	500	PN10	559
06-500-52-0148600023 (1)	500	PN16	559
06-600-52-0048600023 (1)	600	PN10	762
06-600-52-0148600023 (1)	600	PN16	762

(1) With F14 top flange. Ø round stem w/keyway

15/42-0035

Flanged gate valve prepared for actuator

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Actuator Flange	Theoretical weight/kg
15-040-40-016	40	PN10/16	F10	13
15-050-40-016	50	PN10/16	F10	14
15-065-42-016	65	PN10/16	F10	17
15-080-42-01464099	80	PN10/16	F10	15
15-100-42-01464099	100	PN10/16	F10	18
15-125-42-01464099	125	PN10/16	F10	22
15-150-42-01464099	150	PN10/16	F10	31
15-200-42-00464099	200	PN10	F10	49
15-200-42-01464099	200	PN16	F10	49
15-250-42-006	250	PN10	F14	113
15-250-42-016	250	PN16	F14	113
15-300-42-006	300	PN10	F14	160
15-300-42-016	300	PN16	F14	160
15-350-40-006	350	PN10	F14	223
15-350-40-016	350	PN16	F14	223
15-400-40-006	400	PN10	F14	243
15-400-40-016	400	PN16	F14	243

15/72-0035

Flanged gate valve prepared for actuator

Face-to-face dimension according to EN 558 Table 2 Basic Series 15

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Actuator Flange	Theoretical weight/kg
15-040-70-016	40	PN10/16	F10	14
15-050-70-016	50	PN10/16	F10	15
15-080-72-01464099	80	PN10/16	F10	17
15-100-72-01464099	100	PN10/16	F10	19
15-125-72-01464099	125	PN10/16	F10	25
15-150-72-01464099	150	PN10/16	F10	34
15-200-72-00464099	200	PN10	F10	53
15-200-72-01464099	200	PN16	F10	53
15-250-72-006	250	PN10	F14	121
15-250-72-016	250	PN16	F14	121
15-300-72-006	300	PN10	F14	171
15-300-72-016	300	PN16	F14	171
15-350-72-006 (1)	350	PN10	F14	332
15-350-72-016 (1)	350	PN16	F14	332
15-400-72-006	400	PN10	F14	353
15-400-72-016	400	PN16	F14	353
15-450-72-006 (2)	450	PN10	F14	372
15-450-72-016 (2)	450	PN16	F14	372
15-500-72-006 (2)	500	PN10	F14	430
15-500-72-016 (2)	500	PN16	F14	430

(1) Valve having an increased bore (400 mm)

(2) Valve having a reduced bore (400 mm)

752/30-001

AUMA actuators SA

Design features

- Torque range from 10 Nm to 32,000 Nm
- Output speeds from 4 to 180 rpm
- Limit and torque sensing
- Available with 3-ph AC, 1-ph AC and DC motors
- Handwheel for manual operation
- Ambient conditions
- High enclosure protection
- High quality corrosion protection
- Wide ambient temperature ranges

AVK ref. no.	DN/DN	Actuator	Theoretical weight/kg
	40 - 150	SA7,6	22
	200	SA10,2	28
	250 - 300	SA14,2	59
	350 - 600	SA14,6	54

36/80-116

Gate valve with PE ends, PE100 PN16 SDR11 black/blue pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-075-80-163	65	75	PN16	12
36-090-80-16306499	80	90	PN16	12
36-110-80-16306499	100	110	PN16	17
36-125-80-16306499	125	125	PN16	26
36-140-80-16306499	125	140	PN16	26
36-160-80-16306499	150	160	PN16	36
36-180-80-16306499	150	180	PN16	36
36-200-80-16306499	200	200	PN16	65
36-225-80-16306499	200	225	PN16	72
36-250-80-163	250	250	PN16	118
36-280-80-163	250	280	PN16	126
36-315-80-163	300	315	PN16	189
36-355-80-163	300	355	PN16	230
36-400-80-163	400	400	PN16	376
36-450-80-163	400	450	PN16	446
36-500-80-163	400	500	PN16	514
36-560-80-163 (1)	500	560	PN16	1013
36-630-80-163 (1)	500	630	PN16	1134

(1) With F14 top flange. Ø round stem w/keyway

36/80-126

Gate valve with PE ends PE100 PN10 SDR17 black/blue pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-075-80-263	65	75	PN10	12
36-090-80-26306499	80	90	PN10	12
36-110-80-26306499	100	110	PN10	17
36-125-80-26306499	125	125	PN10	26
36-160-80-26306499	150	160	PN10	36
36-180-80-26306499	150	180	PN10	36
36-200-80-26306499	200	200	PN10	63
36-225-80-26306499	200	225	PN10	72
36-250-80-263	250	250	PN10	118
36-280-80-263	250	280	PN10	126
36-315-80-263	300	315	PN10	189
36-355-80-263	300	355	PN10	230
36-400-80-263	400	400	PN10	376
36-450-80-263	400	450	PN10	424
36-500-80-263	400	500	PN10	486
36-560-80-263 (1)	500	560	PN10	958
36-630-80-263 (1)	500	630	PN10	1063

(1) With F14 top flange. Ø round stem w/keyway

36/52-116

Premium 100 gate valve with PE ends, PE100 PN16 SDR 11 black/blue pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded 300 µm epoxy coating in compliance with DIN 3476 part 1, EN 14901 and GSK, and external PUR according to EN 10290 type 2 class B for extra cathodic protection

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-075-52-161086	65	75	PN16	12
36-090-52-16108699	80	90	PN16	12
36-110-52-16108699	100	110	PN16	17
36-125-52-16108699	125	125	PN16	26
36-140-52-16108699	125	140	PN16	26
36-160-52-16108699	150	160	PN16	36
36-180-52-16108699	150	180	PN16	37
36-200-52-16108699	200	200	PN16	65
36-225-52-16108699	200	225	PN16	72
36-250-52-161086	250	250	PN16	118
36-280-52-161086	250	280	PN16	126
36-315-52-161086	300	315	PN16	189
36-355-52-161086	300	355	PN16	230
36-400-52-161086	400	400	PN16	376
36-450-52-161086	400	450	PN16	446
36-500-52-161086	400	500	PN16	514
36-560-52-161086	500	560	PN16	1013
36-630-52-161086	500	630	PN16	1134

36/52-126

Premium 100 gate valve with PE ends, PE100 PN10 SDR17, black/blue pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded 300 µm epoxy coating in compliance with DIN 3476 part 1, EN 14901 and GSK, and external PUR according to EN 10290 type 2 class B for extra cathodic protection

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-075-52-261086	65	75	PN10	12
36-090-52-26108699	80	90	PN10	21
36-110-52-26108699	100	110	PN10	18
36-125-52-26108699	125	125	PN10	23
36-160-52-26108699	150	160	PN10	37
36-180-52-26108699	150	180	PN10	37
36-200-52-26108699	200	200	PN10	65
36-225-52-26108699	200	225	PN10	73
36-250-52-261086	250	250	PN10	118
36-280-52-261086	250	280	PN10	127
36-315-52-261086	300	315	PN10	189
36-355-52-261086	300	355	PN10	230
36-400-52-261086	400	400	PN10	376
36-450-52-261086	400	450	PN10	424
36-500-52-261086	400	500	PN10	486
36-560-52-261086	500	560	PN10	958
36-630-52-261086	500	630	PN10	1063

36/52-137

Premium 100 gate valve with "SafeTech/Profuse" PE ends and stem cap PE100-RC PN10 SDR17

Ductile Iron

EPDM drinking water approved

Fusion bonded 300 µm epoxy coating in compliance with DIN 3476 part 1, EN 14901 and GSK, and external PUR according to EN 10290 type 2 class B for extra cathodic protection

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-075-52-181086	65	75	PN10	12
36-090-52-18108699	80	90	PN10	12
36-110-52-18108699	100	110	PN10	17
36-125-52-18108699	125	125	PN10	26
36-160-52-18108699	150	160	PN10	36
36-180-52-18108699	150	180	PN10	36
36-200-52-18108699	200	200	PN10	63
36-225-52-18108699	200	225	PN10	72
36-250-52-181086	250	225	PN10	118
36-280-52-181086	250	280	PN10	126
36-315-52-181086	300	315	PN10	140
36-355-52-181086	300	355	PN10	230
36-400-52-181086	400	400	PN10	376

36/52-147

Premium 100 gate valve with "SafeTech/Profuse" ends and stem cap - PE100-RC PN16 SDR11

Ductile Iron

EPDM drinking water approved

Fusion bonded 300 µm epoxy coating in compliance with DIN 3476 part 1, EN 14901 and GSK, and external PUR according to EN 10290 type 2 class B for extra cathodic protection

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-075-52-191086	65	75	PN16	12
36-090-52-19108699	80	90	PN16	12
36-110-52-19108699	100	110	PN16	17
36-125-52-19108699	125	125	PN16	26
36-140-52-19108699	125	140	PN16	26
36-160-52-19108699	150	160	PN16	36
36-180-52-19108699	150	180	PN16	36
36-200-52-19108699	200	200	PN16	63
36-225-52-19108699	200	225	PN16	72
36-250-52-191086	250	250	PN16	118
36-280-52-191086	250	280	PN16	126
36-315-52-191086	300	315	PN16	140
36-355-52-191086	300	355	PN16	230
36-400-52-191086	400	400	PN16	376

38/80-116

Gate valve with flange/PE end, PE100 PN16 SDR11 black/blue pipe

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to close

AVK ref. no.	DN mm	D mm	Flange drilling	Theoretical weight/kg
38-063-80-163	50	63	PN10/16	11
38-075-80-163	65	75	PN10/16	16
38-090-80-16306499	80	90	PN10/16	13
38-110-80-16306499	100	110	PN10/16	17
38-125-80-16306499	125	125	PN10/16	23
38-160-80-16306499	150	160	PN10/16	35
38-180-80-16306499	150	180	PN10/16	35
38-200-80-16306499	200	200	PN10	61
38-225-80-16306499	200	225	PN10	63

38/80-126

Gate valve with flange/PE end, PE100 PN10 SDR17 black/blue pipe

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	D mm	Flange drilling	Theoretical weight/kg
38-063-80-263	50	63	PN10/16	11
38-090-80-26306499	80	90	PN10/16	14
38-110-80-26306499	100	110	PN10/16	17
38-125-80-26306499	125	125	PN10/16	23
38-160-80-26306499	150	160	PN10/16	35
38-180-80-26306499	150	180	PN10/16	35
38-225-80-26306499	200	225	PN10	63

12/51-005

Gate valve with flanged/spigot end

Face-to-face dimension according to EN 558 Table 2 Basic Series 15

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	D mm	Flange drilling	Theoretical weight/kg
12-065-51-017	65	82	PN10/16	17
12-080-51-0146499	80	98	PN10/16	14
12-100-51-0146499	100	118	PN10/16	16
12-125-51-0146499	125	144	PN10/16	21
12-150-51-0146499	150	170	PN10/16	30
12-200-51-0046499	200	222	PN10	50
12-200-51-0146499	200	222	PN16	50
12-250-51-007	250	274	PN10	120
12-250-51-017	250	274	PN16	120
12-300-51-007	300	326	PN10	174
12-300-51-017	300	326	PN16	174

32/40-010

Gate valve with long spigot ends for cast iron pipes to ISO 2531 class 18

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
32-080-40-016	80	98	PN16	16
32-100-40-016	100	118	PN16	24
32-150-40-016	150	170	PN16	45
32-200-40-016	200	222	PN16	76
32-300-40-016	300	326	PN16	186

32/70-003

Gate valve with short spigot ends for cast iron pipes to ISO 2531

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
32-050-70-016	50	66	PN16	7.6
32-060-70-016	60	77	PN16	8.7
32-065-70-016	65	82	PN16	11
32-080-70-0146499	80	98	PN16	11
32-100-70-0146499	100	118	PN16	13
32-125-70-0146499	125	144	PN16	17
32-150-70-0146499	150	170	PN16	26
32-200-70-0146499	200	222	PN16	44
32-250-70-016	250	274	PN16	110
32-300-70-016	300	326	PN16	186

46/75-010

Gate valve with long spigot ends

Cast steel

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
46-050-75-01405	50	PN16	13
46-080-75-01405	80	PN16	16
46-100-75-01405	100	PN16	21
46-150-75-01405	150	PN16	38
46-200-75-01405	200	PN16	63
46-250-75-01405	250	PN16	86
46-300-75-01405	300	PN16	126
46-400-75-01405	400	PN16	199
46-500-75-01405	500	PN16	526
46-600-75-01405	600	PN16	750

01/80-0035

Socket gate valve for uPVC pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Dd mm	Product PN Class	Theoretical weight/kg
01-050-80-014	40	50	PN16	7.0
01-063-80-014	50	63	PN16	8.0
01-075-80-014	65	75	PN16	9.0
01-090-80-0146499	80	90	PN16	12
01-110-80-0146499	100	110	PN16	15
01-125-80-0146499	125	125	PN16	19
01-160-80-0146499	150	160	PN16	29
01-200-80-0146499	200	200	PN16	47
01-225-80-0146499	200	225	PN16	50
01-250-80-014	250	250	PN16	80
01-280-80-014	250	280	PN16	95
01-315-80-014	300	315	PN16	123
01-400-80-014	400	400	PN16	246

01/70-035

Gate valve with Supa Plus™ tensile couplings for uPVC and PE pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Dd mm	Product PN Class	Theoretical weight/kg
01-050-70-016	40	50	PN16	11
01-063-70-016	50	63	PN16	12
01-075-70-016	65	75	PN16	13
01-090-70-0146499	80	90	PN16	15
01-110-70-0146499	100	110	PN16	19
01-125-70-0146499	125	125	PN16	24
01-140-70-0146499	125	140	PN16	26
01-160-70-0146499	150	160	PN16	33
01-180-70-0146499	150	180	PN16	36
01-200-70-0146499	200	200	PN16	53
01-225-70-0146499	200	225	PN16	61
01-250-70-016	250	250	PN16	103
01-280-70-016	250	280	PN16	106
01-315-70-016	300	315	PN16	143

636/00-001

Supa Maxi™ gate valve with universal and tensile coupling ends

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Seal range SR1 mm	Theoretical weight/kg
636-080-00-040064	80	235	PN16	82-106	15
636-100-00-040064	100	268	PN16	104-133	19
636-125-00-040064	125	285	PN16	132-159	23
636-150-00-040064	150	340	PN16	159-188	31
636-200-00-040064	200	389	PN16	193-227	52
636-205-00-040064	200	437	PN16	224-257	58
636-250-00-040064	250	476	PN16	266-301	92
636-300-00-040064	300	545	PN16	314-356	129

638/00-116

Gate valve with Supa Maxi™/PE end, SDR11

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Seal range SR1 mm	Theoretical weight/kg
638-090-00-066416099	80	90	PN16	82-106	14
638-110-00-066416099	100	110	PN16	104-133	20
638-125-00-066416099	125	125	PN16	104-133	24
638-160-00-066416099	150	160	PN16	159-188	37
638-200-00-066416099	200	200	PN16	193-227	68
638-250-00-0664160	250	250	PN16	266-301	118
638-315-00-0664160	300	315	PN16	314-356	173

638/00-126

Gate valve with Supa Maxi™/PE end, SDR17

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN	D	Product	Seal range SR1	Theoretical
	mm	mm	PN Class	mm	weight/kg
638-090-00-066426099	80	90	PN10	82-106	14
638-110-00-066426099	100	110	PN10	104-133	20
638-125-00-066426099	125	125	PN10	104-133	24
638-160-00-066426099	150	160	PN10	159-188	37
638-200-00-066426099	200	200	PN10	193-227	68
638-250-00-0664260	250	250	PN10	266-301	118
638-315-00-0664260	300	315	PN10	314-356	173

EXTENSION SPINDLES

AVK extension spindles are made of corrosion-resistant materials, and as the last step in the automated process they are torsion tested with up to 675 Nm to ensure long durability.

Ease of use
Our extension spindles are designed with focus on ease of use and they are easy to mount and operate. It is also very easy to adjust the length as the fixed length extension spindle can be shortened by means of a hacksaw, and the telescopic extension spindle is secured in the wanted position by means of the built-in lock spring.

Break zone prevents damage
Telescopic extension spindles are available with break zone in the key adaptor which prevents damage of the valve and extension spindle if a much too high torque is applied. The break nut can easily be replaced and meanwhile the extension spindle can be operated by means of a #20 socket wrench.

Fixed length

Telescopic

Fixed length with solid bar

Telescopic with breaking zone

04/02-001

Fixed extension spindle for gate valves
Key adaptor #23-32
Polyethylene (PE)

AVK ref. no.	DN/DN	Pipe cover mm	F3 mm	Theoretical weight/kg
04-050-3-5002	40 - 50	800	23 - 32	1.7
04-050-3-5502	40 - 50	1000	23 - 32	1.8
04-050-3-6002	40 - 50	1250	23 - 32	2.1
04-050-3-6502	40 - 50	1500	23 - 32	2.5
04-050-3-7502	40 - 50	2000	23 - 32	4.0
04-050-3-8002	40 - 50	3000	23 - 32	4.6
04-080-3-5002	65 - 80	800	23 - 32	1.7
04-080-3-5502	65 - 80	1000	23 - 32	1.7
04-080-3-6002	65 - 80	1250	23 - 32	2.1
04-080-3-6502	65 - 80	1500	23 - 32	2.5
04-080-3-7502	65 - 80	2000	23 - 32	3.3
04-080-3-8002	65 - 80	3000	23 - 32	4.8
04-125-3-5002	100 - 125	800	23 - 32	1.3
04-125-3-5502	100 - 125	1000	23 - 32	1.7
04-125-3-6002	100 - 125	1250	23 - 32	2.2
04-125-3-6502	100 - 125	1500	23 - 32	2.4
04-125-3-7502	100 - 125	2000	23 - 32	3.2
04-125-3-8002	100 - 125	3000	23 - 32	5.9
04-150-3-5002	150 - 150	800	23 - 32	1.4
04-150-3-5502	150 - 150	1000	23 - 32	1.8
04-150-3-6002	150 - 150	1250	23 - 32	2.2
04-150-3-6502	150 - 150	1500	23 - 32	2.7
04-150-3-7502	150 - 150	2000	23 - 32	4.4
04-150-3-8002	150 - 150	3000	23 - 32	6.7
04-200-3-5002	200 - 200	800	23 - 32	1.3
04-200-3-5502	200 - 200	1000	23 - 32	1.7
04-200-3-6002	200 - 200	1250	23 - 32	2.1
04-200-3-6502	200 - 200	1500	23 - 32	2.6
04-200-3-7502	200 - 200	2000	23 - 32	3.6
04-200-3-8002	200 - 200	3000	23 - 32	5.5
04-300-3-5002	250 - 300	800	23 - 32	1.2
04-300-3-5502	250 - 300	1000	23 - 32	1.6
04-300-3-6002	250 - 300	1250	23 - 32	2.1
04-300-3-6502	250 - 300	1500	23 - 32	2.5
04-300-3-7502	250 - 300	2000	23 - 32	3.5
04-300-3-8002	250 - 300	3000	23 - 32	5.4
04-400-3-6002	350 - 400	1250	23 - 32	1.8
04-400-3-6502	350 - 400	1500	23 - 32	2.3
04-400-3-7502	350 - 400	2000	23 - 32	3.4
04-400-3-8002	350 - 400	3000	23 - 32	5.3

04/04-001

Telescopic extension spindle for gate valves

Key adaptor #23-32
L8 = Actual length

Polyethylene (PE)

AVK ref. no.	DN/DN	L8 mm	F3 mm	Theoretical weight/kg
04-050-4-0002	40 - 50	450 - 700	23 - 32	1.9
04-050-4-0502	40 - 50	650 - 1100	23 - 32	2.6
04-050-4-1002	40 - 50	1050 - 1750	23 - 32	3.9
04-050-4-1202	40 - 50	1400 - 2350	23 - 32	5.8
04-050-4-1502	40 - 50	1700 - 2900	23 - 32	5.4
04-050-4-2202	40 - 50	2850 - 5250	23 - 32	11
04-080-4-0002	65 - 80	450 - 700	23 - 32	1.9
04-080-4-0502	65 - 80	650 - 1100	23 - 32	2.0
04-080-4-1002	65 - 80	1050 - 1750	23 - 32	3.8
04-080-4-1202	65 - 80	1400 - 2350	23 - 32	4.9
04-080-4-1502	65 - 80	1700 - 2900	23 - 32	5.8
04-080-4-2202	65 - 80	2850 - 5250	23 - 32	11
04-125-4-0002	100 - 125	450 - 700	23 - 32	1.8
04-125-4-0502	100 - 125	650 - 1100	23 - 32	2.6
04-125-4-1002	100 - 125	1050 - 1750	23 - 32	4.0
04-125-4-1202	100 - 125	1400 - 2350	23 - 32	5.7
04-125-4-1502	100 - 125	1700 - 2900	23 - 32	5.8
04-125-4-2202	100 - 125	2850 - 5250	23 - 32	11
04-150-4-0002	100 - 150	450 - 700	23 - 32	2.3
04-150-4-0502	100 - 150	650 - 1100	23 - 32	3.1
04-150-4-1002	100 - 150	1050 - 1750	23 - 32	4.5
04-150-4-1202	150 - 150	1400 - 2350	23 - 32	5.7
04-150-4-1502	100 - 150	1700 - 2900	23 - 32	7.5
04-150-4-2202	150 - 150	2850 - 5250	23 - 32	11
04-200-4-0002	200 - 200	450 - 700	23 - 32	2.3
04-200-4-0502	200 - 200	650 - 1100	23 - 32	4.3
04-200-4-1002	200 - 200	1050 - 1750	23 - 32	3.9
04-200-4-1202	200 - 200	1400 - 2350	23 - 32	5.6
04-200-4-1502	200 - 200	1700 - 2900	23 - 32	6.9
04-200-4-2202	200 - 200	2850 - 5250	23 - 32	11
04-300-4-0002	250 - 300	450 - 700	23 - 32	2.4
04-300-4-0502	250 - 300	650 - 1100	23 - 32	3.2
04-300-4-1002	250 - 300	1050 - 1750	23 - 32	4.6
04-300-4-1202	250 - 300	1400 - 2350	23 - 32	5.7
04-300-4-1502	250 - 300	1700 - 2900	23 - 32	7.1
04-300-4-2202	250 - 300	2850 - 5250	23 - 32	11
04-400-4-0002	350 - 400	450 - 700	23 - 32	2.6
04-400-4-0502	350 - 400	650 - 1100	23 - 32	3.4
04-400-4-1002	350 - 400	1050 - 1750	23 - 32	4.5
04-400-4-1202	350 - 400	1400 - 2350	23 - 32	5.6
04-400-4-1502	350 - 400	1700 - 2900	23 - 32	7.6
04-400-4-2202	350 - 400	2850 - 5250	23 - 32	11
04-640-4-0002 (1)	450 - 600	450 - 700	23 - 32	2.6
04-640-4-0502 (1)	450 - 600	650 - 1100	23 - 32	3.4
04-640-4-1002 (1)	450 - 600	1050 - 1750	23 - 32	4.5
04-640-4-1502 (1)	450 - 600	1700 - 2900	23 - 32	7.6
04-640-4-2202 (1)	450 - 600	2850 - 5250	23 - 32	11

(1) Ø40 mm valve stem

04/F-016

Telescopic extension spindle for gate valves DN450-600

Key adaptor #23-32

Polyethylene (PE)

NEW

AVK ref. no.	DN mm	L8 mm	F3 mm	Theoretical weight/kg
04-830-4-000202	450-600	450 - 650	23 - 32	4.8
04-830-4-050202	450-600	600 - 950	23 - 32	5.4
04-830-4-100202	450-600	900 - 1550	23 - 32	6.6
04-830-4-120202	450-600	1500 - 2750	23 - 32	9.1
04-830-4-150202	450-600	1700 - 2900	23 - 32	9.5
04-830-4-220202	450-600	2700 - 5150	23 - 32	14

04/F-013

Fixed extension spindle with solid bar for gate valves

Key adaptor #23-32

Polyethylene (PE)

NEW

AVK ref. no.	DN/DN	Pipe cover mm	F3 mm	Theoretical weight/kg
04-050-3-501203	40 - 50	800	23 - 32	2.9
04-050-3-551203	40 - 50	1000	23 - 32	3.5
04-050-3-601203	40 - 50	1250	23 - 32	4.4
04-050-3-651203	40 - 50	1500	23 - 32	5.1
04-050-3-751203	40 - 50	2000	23 - 32	6.7
04-050-3-801203	40 - 50	3000	23 - 32	9.8
04-080-3-501203	65 - 80	800	23 - 32	2.7
04-080-3-551203	65 - 80	1000	23 - 32	3.4
04-080-3-601203	65 - 80	1250	23 - 32	4.2
04-080-3-651203	65 - 80	1500	23 - 32	5.0
04-080-3-751203	65 - 80	2000	23 - 32	6.5
04-080-3-801203	65 - 80	3000	23 - 32	9.7
04-125-3-501203	100 - 125	800	23 - 32	2.7
04-125-3-551203	100 - 125	1000	23 - 32	3.3
04-125-3-601203	100 - 125	1250	23 - 32	4.1
04-125-3-651203	100 - 125	1500	23 - 32	4.9
04-125-3-751203	100 - 125	2000	23 - 32	6.5
04-125-3-801203	100 - 125	3000	23 - 32	9.6
04-150-3-501203	150	800	23 - 32	2.5
04-150-3-551203	150	1000	23 - 32	3.1
04-150-3-601203	150	1250	23 - 32	3.9
04-150-3-651203	150	1500	23 - 32	4.7
04-150-3-751203	150	2000	23 - 32	6.3
04-150-3-801203	150	3000	23 - 32	9.4
04-200-3-501203	200	800	23 - 32	2.4
04-200-3-551203	200	1000	23 - 32	3.0
04-200-3-601203	200	1250	23 - 32	3.8
04-200-3-651203	200	1500	23 - 32	4.6
04-200-3-751203	200	2000	23 - 32	6.1
04-200-3-801203	200	3000	23 - 32	9.3
04-300-3-501203	250 - 300	800	23 - 32	1.8
04-300-3-551203	250 - 300	1000	23 - 32	2.9
04-300-3-601203	250 - 300	1250	23 - 32	4.3
04-300-3-651203	250 - 300	1500	23 - 32	5.5
04-300-3-751203	250 - 300	2000	23 - 32	7.9
04-300-3-801203	250 - 300	3000	23 - 32	13
04-400-3-601203	350 - 400	1250	23 - 32	3.4
04-400-3-651203	350 - 400	1500	23 - 32	4.6
04-400-3-751203	350 - 400	2000	23 - 32	7.1
04-400-3-801203	350 - 400	3000	23 - 32	12

04/F-011

Telescopic extension spindle for gate valves, with break zone in key adaptor #23-32.

Polyethylene (PE)

NEW

AVK ref. no.	DN/DN	L8 mm	F3 mm	Theoretical weight/kg
04-050-4-0015	40 - 50	450 - 700	23 - 32	1.9
04-050-4-0515	50 - 50	650 - 1100	23 - 32	2.6
04-050-4-1015	40 - 50	1050 - 1750	23 - 32	3.9
04-050-4-1215	40 - 50	1400 - 2350	23 - 32	5.8
04-050-4-1515	40 - 50	1700 - 2900	23 - 32	5.8
04-050-4-2215	40 - 50	2850 - 5250	23 - 32	11
04-080-4-0015	65 - 80	450 - 700	23 - 32	1.9
04-080-4-0515	65 - 80	650 - 1100	23 - 32	2.0
04-080-4-1015	65 - 80	1050 - 1750	23 - 32	3.8
04-080-4-1215	65 - 80	1400 - 2350	23 - 32	4.9
04-080-4-1515	65 - 80	1700 - 2900	23 - 32	5.8
04-080-4-2215	65 - 80	2850 - 5250	23 - 32	11
04-125-4-0015	100 - 125	450 - 700	23 - 32	1.8
04-125-4-0515	100 - 125	650 - 1100	23 - 32	2.6
04-125-4-1015	100 - 125	1050 - 1750	23 - 32	4.0
04-125-4-1215	100 - 125	1400 - 2350	23 - 32	5.7
04-125-4-1515	100 - 125	1700 - 2900	23 - 32	5.8
04-125-4-2215	100 - 125	2850 - 5250	23 - 32	11
04-150-4-0015	150	450 - 700	23 - 32	2.3
04-150-4-0515	150	650 - 1100	23 - 32	3.1
04-150-4-1015	150	1050 - 1750	23 - 32	4.5
04-150-4-1215	150	1400 - 2350	23 - 32	5.7
04-150-4-1515	150	1700 - 2900	23 - 32	-
04-150-4-2215	150	2850 - 5250	23 - 32	11
04-200-4-0015	200	450 - 700	23 - 32	2.3
04-200-4-0515	200	650 - 1100	23 - 32	4.3
04-200-4-1015	200	1050 - 1750	23 - 32	3.9
04-200-4-1215	200	1400 - 2350	23 - 32	5.6
04-200-4-1515	200	1700 - 2900	23 - 32	6.9
04-200-4-2215	200	2850 - 5250	23 - 32	11
04-300-4-0015	200 - 300	450 - 700	23 - 32	3.2
04-300-4-0515	250 - 300	650 - 1100	23 - 32	3.2
04-300-4-1015	250 - 300	1050 - 1750	23 - 32	4.6
04-300-4-1215	250 - 300	1400 - 2350	23 - 32	5.7
04-300-4-1515	250 - 300	1700 - 2900	23 - 32	7.1
04-300-4-2215	250 - 300	2850 - 5250	23 - 32	11
04-400-4-0015	350 - 400	450 - 700	23 - 32	2.6
04-400-4-0515	350 - 400	650 - 1100	23 - 32	3.4
04-400-4-1015	350 - 400	1050 - 1750	23 - 32	4.5
04-400-4-1215	350 - 400	1400 - 2350	23 - 32	5.6
04-400-4-1515	350 - 400	1700 - 2900	23 - 32	7.2
04-400-4-2215	350 - 400	2850 - 5250	23 - 32	11

04/F-017

Telescopic extension spindle for gate valves DN450-600, with break zone in key adaptor #23-32

Polyethylene (PE)

NEW

AVK ref. no.	DN mm	L8 mm	F3 mm	Theoretical weight/kg
04-830-4-001502	450-600	450 - 650	23 - 32	4.8
04-830-4-051502	450-600	600 - 950	23 - 32	5.4
04-830-4-101502	450-600	900 - 1550	23 - 32	6.6
04-830-4-121502	450-600	1500 - 2750	23 - 32	9.1
04-830-4-151502	450-600	1700 - 2900	23 - 32	9.5
04-830-4-221502	450-600	2700 - 5150	23 - 32	14

04

Break nut

Spare parts for 04/F-011 and 04/F-017

NEW

AVK ref. no.	DN
04-00-31-10	40-80
04-00-32-10	100-200
04-00-35-10	250-300
04-00-33-10	350-400
04-00-34-10	450-600

08/A-004

Handwheel assembled with bolt and washer

Cast iron

AVK coating standard

Clockwise to Close

AVK ref. no.	DN/DN	D	F	Theoretical
		mm	mm	weight/kg
08-032-16 (1)	25 - 50	120	13	0.2
08-050-01-000	40 - 50	180	14	1.5
08-080-02-000	65 - 80	225	17	1.5
08-100-01-000	100 - 100	280	19	2.8
08-150-02-000	125 - 150	320	19	3.6
08-200-01-000	200 - 200	360	24	5.3
08-250-02-000	250 - 300	500	27	8.6
08-400-01-000 (2)	350 - 500	640	32	15
08-600-01-000 (3)	450 - 600	800	Ø30	20
08-600-03-000 (4)	450 - 600	800	Ø40	20

(1) For service connection valves
(2) Square stem
(3) CTC, for series 06 and 46, ø30
(4) CTC, ø40

08/A-014

Handwheel assembled with bolt and washer for the new generation of gate valves

Cast iron

Blue epoxy RAL 5017 250 µm

Clockwise to Close or Clockwise to Open

AVK ref. no.	DN/DN	D	F	Theoretical
		mm	mm	weight/kg
08-080-66-00000	65 - 80	160	17	1.0
08-080-66-00100	65 - 80	160	17	1.0
08-100-66-00000	100	200	19	1.4
08-100-66-00100	100	200	19	1.4
08-150-66-00000	125 - 150	240	19	1.9
08-150-66-00100	125 - 150	240	19	1.9
08-200-66-00000	200	280	24	2.2
08-200-66-00100	200	280	24	2.2

04/15-001

T-key for gate valves

Steel

AVK coating standard

Clockwise to Close or Clockwise to Open

AVK ref. no.	Valve	F	Theoretical
	DN mm	mm	weight/kg
04-050-2000 (1)	25 - 50	20	2.2
04-050-2100 (2)	40 - 600	28	2.7

(1) For service connection valve with stem cap or extension spindle with key adaptor # 14-22
(2) For gate valves with stem cap or extension spindle with key adaptor # 23-32

04/22-001

Stem cap for valves and extension spindles

Ductile Iron

AVK coating standard

AVK ref. no.	DN/DN	F	F1	Theoretical
		mm	mm	weight/kg
04-000-10-00 (1)	40 - 50	23-32	14	1.1
04-000-11-00 (1)	65 - 80	23-32	17	1.1
04-000-12-00 (1)	100 - 150	23-32	19	1.2
04-000-13-00 (1)	200 - 200	23-32	24	1.8
04-000-14-00 (1)	250 - 300	23-32	27	1.8
04-032-21-00 (2)	25 - 50	27-32	13	0.4
04-160-17-00 (3)	25 - 150	27-32	16/20	0.4
04-400-17-00 (3)	200 - 400	27-32	25	1.3
08-040-61-000 (4)	40 - 50	30	14	0.2
08-065-61-000 (4)	65 - 80	30	17	1.0
08-100-61-000 (4)	100 - 150	30	19	0.6
08-200-61-000 (4)	200 - 200	30	24	0.7
08-250-61-000 (4)	250 - 300	30	27	1.1
08-400-61-000 (4)	350 - 500	30	32	1.1
55-500-1800	450 - 600	32	Ø41	1.6
55-500-18-000 (5)	450 - 600	32	Ø41	3.5
55-500-22-000 (6)	450 - 600	27	Ø31	3.0

(1) For standard gate valves, fits for AVK t-keys
(2) For service connection valves
(3) For extension spindles
(4) With bolt in stainless steel, A2 for standard gate valves
(5) For series 55/30 gate valves, ø40 mm
(6) For series 06, 46 and 55/35 gate valves, ø30 mm

SERVICE CONNECTION VALVES

AVK offers a very wide range of service connection valves in POM, ductile iron and brass.

The wedge core in dezincification-resistant brass is vulcanized with EPDM rubber and both brass and rubber is certified for use in contact with drinking water.

- POM valves: The joints are friction welded for optimal strength and a built-in friction collar prevents over torque of the valve
- Brass valves: Made of dezincification-resistant brass certified for use in contact with drinking water and designed with a boltless connection between body and bonnet
- Ductile iron valves: Their design is like our renowned gate valves

03/30-005

Service connection valve with push-in sockets for PE pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Dd mm	Product PN Class	Theoretical weight/kg
03-025-30-0046499	20	25	PN16	2.4
03-032-30-0046499	25	32	PN16	2.6
03-040-30-0046499	32	40	PN16	3.0
03-050-30-00	40	50	PN16	7.0
03-063-30-00	50	63	PN16	8.5

03/85-005

Service connection valve with tensile screw coupling/external thread for PE pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Dd mm	BSP external	Product PN Class	Theoretical weight/kg
03-032-85-0046499	25	32	1 1/4"	PN16	2.5
03-033-85-0046499	25	32	1 1/2"	PN16	2.5
03-040-85-0046499	32	40	2"	PN16	2.8
03-041-85-0046499	32	40	1 1/4"	PN16	2.8
03-042-85-0046499	32	40	1 1/2"	PN16	2.8

03/65-005

Service connection valve with tensile screw couplings for PE pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Dd mm	Product PN Class	Theoretical weight/kg
03-032-65-0046499 (1)	25	32	PN16	2.7
03-040-65-0046499 (1)	32	40	PN16	3.0
03-050-65-001	40	50	PN16	5.8
03-063-65-001	50	63	PN16	7.2

(1) Approval pending

03/90-005

Service connection valve with PRK-couplings for PE pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Dd mm	Product PN Class	Theoretical weight/kg
03-025-90-0046499	25	25	PN16	2.7
03-032-90-0046499	25	32	PN16	2.5
03-040-90-0046499	32	40	PN16	2.8
03-050-90-00	40	50	PN16	6.5
03-063-90-00	50	63	PN16	6.1

03/00-010

Service connection valve with internal thread

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	BSP internal	Product PN Class	Theoretical weight/kg
03-025-00-0046499	25	3/4"	PN16	2.4
03-032-00-0046499	25	1"	PN16	2.4
03-040-00-0046499	32	1 1/4"	PN16	2.6
03-050-00-001	40	1 1/2"	PN16	4.7
03-063-00-001	50	2"	PN16	6.4

03/40-005

Service connection valve for sidetapping with ext./int. thread & tensile socket end

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Dd mm	BSP internal	BSP external	Product PN Class	Theoretical weight/kg
03-032-40-0046499	25	32	1 1/4"	1 1/4"	PN16	2.7
03-033-40-0046499	25	32	1 1/4"	1 1/2"	PN16	2.7
03-035-40-0046499	25	32	1 1/4"	2"	PN16	2.5
03-040-40-0046499	32	40	1 1/2"	2"	PN16	3.6
03-042-40-0046499	32	40	1 1/2"	1 1/2"	PN16	3.6
03-050-40-00	40	50	2"	2"	PN16	7.3
03-063-40-00	50	63	2 1/2"	2 1/2"	PN16	8.3
03-063-60-00 (1)	50	63	2 1/2"	2"	PN16	8.3

(1) Inside Ø40mm (reduced bore)

16/59-010

Service connection valve with Pentomech™ tensile resistant couplings

Polyoxymethylene (POM)

EPDM drinking water approved

Clockwise to Close

AVK ref. no.	DN mm	Dd mm	Product PN Class	Theoretical weight/kg
16-032-59-004	25	32	PN16	1.4
16-040-59-004	32	40	PN16	1.8
16-050-59-004	40	50	PN16	2.8
16-063-59-004	50	63	PN16	3.7

11/00-010

Angle service connection valve with external/internal thread

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Dd mm	BSP internal	BSP external	Product PN Class	Theoretical weight/kg
11-032-00-0046499	25	32	1"	1 1/4"	PN16	2.3
11-033-00-0046499	25	32	1"	1 1/2"	PN16	2.3
11-035-00-0046499	25	32	1"	2"	PN16	2.3
11-040-00-0046499	32	40	1 1/4"	2"	PN16	2.9
11-041-00-0046499	32	40	1 1/4"	1 1/4"	PN16	2.9
11-042-00-0046499	32	40	1 1/4"	1 1/2"	PN16	2.9
11-050-00-006	40	50	1 1/2"	2"	PN16	4.9
11-063-00-006	50	63	2"	2"	PN16	5.6

11/30-010

Angle service connection valve with external thread/tensile socket end

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Dd mm	BSP external	Product PN Class	Theoretical weight/kg
11-032-30-0046499	25	32	1 1/4"	PN16	2.5
11-033-30-0046499	25	32	1 1/2"	PN16	2.5
11-035-30-0046499	25	32	2"	PN16	2.5
11-040-30-0046499	32	40	2"	PN16	3.1
11-041-30-0046499	32	40	1 1/4"	PN16	3.1
11-042-30-0046499	32	40	1 1/2"	PN16	3.1
11-050-30-006	40	50	2"	PN16	5.7
11-063-30-006	50	63	2"	PN16	6.6

36/8X-116

Service connection valve with SDR11 PE ends - PE100 PN16 black/blue pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-032-80-16306499	25	32	PN16	2.7
36-040-80-16306499	32	40	PN16	3.4
36-050-80-163	40	50	PN16	5.6
36-063-80-163	50	63	PN16	6.8

36/8X-126

Service connection valve with SDR17 PE-ends - PE100 PN10 black/blue pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-050-80-263	40	50	PN10	6.0
36-063-80-263	50	63	PN10	6.8

36/5X-116

Premium 100 service connection valve, PN16 SDR11 PE100 pipe-ends

Ductile Iron

EPDM drinking water approved

Fusion bonded 300 µm epoxy coating in compliance with DIN 3476 part 1, EN 14901 and GSK, and external PUR according to EN 10290 type 2 class B for extra cathodic protection

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-032-52-16108699	25	32	PN16	2.7
36-040-52-16108699	32	40	PN16	3.4
36-050-52-161086	40	50	PN16	5.6
36-063-52-161086	50	63	PN16	6.8

36/5X-126

Premium 100 service connection valve, PN10

SDR17 PE100 pipe-ends

Ductile Iron

EPDM drinking water approved

Fusion bonded 300 µm epoxy coating in compliance with DIN 3476 part 1, EN 14901 and GSK, and external PUR according to EN 10290 type 2 class B for extra cathodic protection

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-050-52-261086	40	50	PN10	5.6
36-063-52-261086	50	63	PN10	6.8

03-R/RAW-001

Manchette for service connection valves with socket ends

AVK ref. no.	Dd mm
03-032-2240	32
03-040-2240	40
03-050-2240	50
03-063-2240	63

03-P/PARTS-001

Tension ring for service connection valves with socket ends

AVK ref. no.	Dd mm
03-032-33	32
03-040-33	40
03-050-33	50
03-063-33	63

04/08-001

Telescopic extension spindle for service connection valves

Key adaptor #23-32

L8 = Actual length

Polyethylene (PE)

AVK ref. no.	DN/DN	L8 mm	Range mm	F3 mm	Theoretical weight/kg
04-032-2-0002	25 - 50	450 - 700	700 - 920	23 - 32	1.9
04-032-2-0502	25 - 50	650 - 1100	900 - 1320	23 - 32	2.6
04-032-2-1002	25 - 50	1050 - 1750	1300 - 1970	23 - 32	3.7
04-032-2-1202	25 - 50	1400 - 2350	1650 - 2570	23 - 32	5.0
04-032-2-1502	25 - 50	1700 - 2900	1950 - 3120	23 - 32	5.9

04/F-009

Telescopic extension spindle for service connection valves

Key adaptor #14-22

L8=Actual length

Polyethylene (PE)

AVK ref. no.	DN/DN	L8 mm	F3 mm	Theoretical weight/kg
04-032-2-0001	25 - 50	450 - 700	14 - 22	1.9
04-032-2-0501	25 - 50	650 - 1100	14 - 22	2.5
04-032-2-1101	25 - 50	850 - 1400	14 - 22	2.5
04-032-2-1001	25 - 50	1050 - 1750	14 - 22	3.7
04-032-2-1201	25 - 50	1400 - 2350	14 - 22	4.7
04-032-2-1501	25 - 50	1700 - 2900	14 - 22	5.4

04/05-001

Fixed extension spindle for service connection valves

Key adaptor #14-22

Polyethylene (PE)

AVK ref. no.	DN/DN	Pipe cover mm	F3 mm	Theoretical weight/kg
04-032-1-5001	25 - 50	800	14 - 22	2.0
04-032-1-5501	25 - 50	1000	14 - 22	1.6
04-032-1-6001	25 - 50	1250	14 - 22	2.0
04-032-1-6501	25 - 50	1500	14 - 22	2.4
04-032-1-7501	25 - 50	2000	14 - 22	3.2
04-032-1-9201	25 - 50	2500	14 - 22	4.5

04/06-001

Fixed extension spindle for service connection valves
Key adaptor #23-32
Polyethylene (PE)

AVK ref. no.	DN/DN	Pipe cover mm	F3 mm	Theoretical weight/kg
04-032-1-5002	25 - 50	800	23 - 32	1.3
04-032-1-5502	25 - 50	1000	23 - 32	1.8
04-032-1-6002	25 - 50	1250	23 - 32	2.2
04-032-1-6502	25 - 50	1500	23 - 32	2.4
04-032-1-7502	25 - 50	2000	23 - 32	3.2

04/F-012

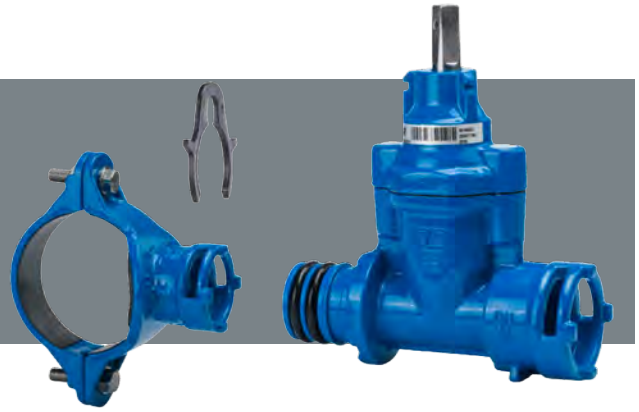
Fixed extension spindle with solid bar for service connection valves, key adaptor #14-22
Polyethylene (PE)

NEW

AVK ref. no.	DN/DN	Pipe cover mm	F3 mm	Theoretical weight/kg
04-032-1-501103	20 - 50	800	14 - 22	2.2
04-032-1-551103	20 - 50	1000	14 - 22	2.5
04-032-1-601103	20 - 50	1250	14 - 22	3.0
04-032-1-651103	20 - 50	1500	14 - 22	3.5
04-032-1-751103	20 - 50	2000	14 - 22	4.5
04-032-1-801103	20 - 50	3000	14 - 22	6.5
04-032-1-901103	20 - 50	2000	14 - 22	5.0
04-032-1-921103	20 - 50	2500	14 - 22	6.0
04-032-1-941103	20 - 50	3000	14 - 22	7.0

SUPA LOCK™ THREADLESS CONNECTION SYSTEM

AVK's Supa Lock™ range offers a 100% corrosion-free joint combined with a fast and easy assembly with maximum flexibility and safety.



Thanks to its simple design, Supa Lock™ offers long term safety with protection against corrosion and leaks as well as accidental disassembly of the joint when the pipeline is under pressure. The Supa Lock™ range consists of service connection valves, tapping saddles with and without blade shut-off, a wide range of fittings in ductile iron, and ball valves and fittings in brass.

Corrosion-free joint
- no uncoated threads
- GSK approved epoxy coating or brass

Easy two-step assembly with maximum flexibility
- just insert and click on safe clip
- 360° rotation of the fittings gives maximum flexibility
- rotation not possible for valves and connectors for drilling

Safe self-locking design (patented)
- safety retainer is easy to mount/demount, and is secured against accidental disassembly under pressure
- heavy duty O-rings seal the joint

103/00-003

Supa Lock™ service connection valve wtih Supa Lock™ spigot end/Supa Lock™ socket end

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
103-032-00-000464	32	PN16	3.2

103/00-034

Supa Lock™ service connection valve wtih Supa Lock™ spigot end/Supa Lock™ socket end, duplex stem

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
103-032-00-00046434	32	PN16	3.2

Notice: Duplex stem

103/50-003

Supa Lock™ service connection valve with Supa Lock™ spigot end/PRK coupling

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Dd mm	Product PN Class	Theoretical weight/kg
103-032-50-500464	32	32	PN16	3.5
103-032-50-510464	32	40	PN16	3.5

103/02-003

Supa Lock™ service connection angle valve with Supa Lock™ socket end

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
103-032-02-000464	32	PN16	3.2

103/02-034

Supa Lock™ service connection angle valve with Supa Lock™ socket end and duplex stem

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

Notice: Duplex stem

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
103-032-02-00046434	32	PN16	3.2

103/31-003

Supa Lock™ service connection angle valve with Supa Lock™ spigot end/push -in socket end

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Dd mm	Product PN Class	Theoretical weight / kg
103-032-31-400464	32	32	PN16	3,13
103-032-31-410464	32	40	PN16	3,29

100/00-003

Supa Lock™ tapping saddle for PE and PVC pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Dd mm	Theoretical weight/kg
100-063-00-320464	32	63	2.1
100-075-00-320464	32	75	2.3
100-090-00-320464	32	90	2.7
100-110-00-320464	32	110	3.6
100-125-00-320464	32	125	3.8
100-140-00-320464	32	140	5.4
100-160-00-320464	32	160	5.9
100-200-00-320464	32	200	9.3
100-225-00-320464	32	225	11

100/14-003

Supa Lock™ tapping saddle for cast iron, ductile iron and steel pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Tolerance mm	Theoretical weight/kg
100-067-14-320464	32	60 - 67	1.7
100-083-14-320464	32	76 - 83	1.6
100-099-14-320464	32	88 - 99	1.6
100-119-14-320464	32	114 - 119	1.8
100-171-14-320464	32	168 - 171	2.2
100-223-14-320464	32	219 - 223	2.6

100/30-003

Supa Lock™ tapping saddle with blade shut-off for under pressure tapping on PE/PVC pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	D mm	Theoretical weight/kg
100-090-30-320464	80	90	4.5
100-110-30-320464	100	110	5.3
100-125-30-320464	125	125	7.0
100-140-30-320464	125	140	8.3
100-160-30-320464	150	160	7.9
100-200-30-320464	200	200	12
100-225-30-320464	200	225	13

100/85-001

Universal tapping saddle with blade shut-off and stirrup for underpressure drilling and tapping

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	T mm	Theoretical weight / kg
100-088-85-320464	50	50 - 88	2,3
100-118-85-320464	80	88 - 118	2,3
100-133-85-320464	100	105 - 133	2,4
100-159-85-320464	125	133 - 159	2,4
100-186-85-320464	150	156 - 186	2,7
100-216-85-320464	175	186 - 216	2,7
100-244-85-320464	200	210 - 244	2,7
100-270-85-320464	225	240 - 270	2,8
100-298-85-320464	250	265 - 298	2,8
100-330-85-320464	275	299 - 330	3
100-345-85-320464	300	315 - 345	3
100-360-85-320464	300	325 - 360	3

106/00-003

Supa Lock™ blind plug

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Theoretical weight/kg
106-000-00-32464	32	0.8

106/02-003

Supa Lock™ threaded connector

Brass

EPDM drinking water approved

AVK ref. no.	DN mm	BSP thread Inch	Theoretical weight/kg
106-002-02-324	32	1"	0.7
106-003-02-324	32	1 1/4"	0.7
106-004-02-324	32	1 1/2"	0.8
106-005-02-324	32	2"	1.0

107/11-003

Supa Lock™ spigot end/Supa Lock™ socket end

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Dd mm	Theoretical weight/kg
107-040-11-32464	32	40	1.2

107/21-003

Supa Lock™ straight fitting with push-in socket for PE pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Dd mm	Theoretical weight/kg
107-032-21-32464	32	32	0.6
107-040-21-32464	32	40	0.7
107-050-21-32464	32	50	1.2
107-063-21-32464	32	63	1.6

107/31-003

Supa Lock™ 90° fitting with push-in socket for PE pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Dd mm	Theoretical weight/kg
107-032-31-32464	32	32	1.0
107-040-31-32464	32	40	1.1
107-050-31-32464	32	50	1.4
107-063-31-32464	32	63	2.0

107/36-003

Supa Lock™ fitting with PE pipe end

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Dd mm	Theoretical weight/kg
107-032-36-32464	32	32	1.4
107-040-36-32464	32	40	1.3

107/74-003

Supa Lock™ tapping head with blade shut-off for under pressure tapping on metal and plastic pipes.

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Theoretical weight/kg
107-005-74-32464	32	2.0

109/10-003

Supa Lock™ spacer
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN	DN1	Theoretical
	mm	mm	weight/kg
109-080-10-32064	80	32	3.1
109-100-10-32064	100	32	3.5
109-150-10-32064	150	32	5.4
109-200-10-32064	200	32	7.1
109-250-10-32064 (1)	250	32	8.5
109-300-10-32064 (1)	300	32	10
109-400-10-32064 (1)	400	32	16

(1) One Supa Lock™ socket end

109/16-003

Supa Lock™ 3-way socket fitting
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN	Theoretical
	mm	weight/kg
109-032-16-32064	32	1.9

109/23-001

Supa Lock™ blind flange
Ductile Iron
EPDM drinking water approved
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN	Flange	Theoretical
	mm	drilling	weight/kg
109-100-23-320641	100	PN10/16	5.0
109-150-23-320641	150	PN10/16	8.0
109-200-23-320641	200	PN16	12
109-200-23-320642	200	PN10	12
109-250-23-320641	250	PN16	18
109-250-23-320642	250	PN10	18
109-300-23-320641	300	PN16	25
109-300-23-320642	300	PN10	25
109-400-23-320641	400	PN16	46
109-400-23-320642	400	PN10	38
109-500-23-320641	500	PN16	79
109-500-23-320642	500	PN10	57
109-600-23-320641	600	PN16	125
109-600-23-320642	600	PN10	88

109/24-001

Supa Lock™ double socket fitting for uPVC pipes
Ductile Iron
EPDM drinking water approved
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN	Dd	Theoretical
	mm	mm	weight/kg
109-110-24-32464	100	110	7.0
109-160-24-32464	150	160	10
109-200-24-32464	200	200	15
109-225-24-32464	200	225	17
109-250-24-32464	250	250	22
109-280-24-32464	250	280	26
109-315-24-32464	300	315	32

109/25-001

Supa Lock™ socket x spigot fitting for uPVC pipes
Ductile Iron
EPDM drinking water approved
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN	Dd	Theoretical
	mm	mm	weight/kg
109-110-25-32464	100	110	7.0
109-160-25-32464	150	160	10
109-200-25-32464	200	200	15
109-225-25-32464	200	225	17
109-250-25-32464	250	250	23
109-280-25-32464	250	280	27
109-315-25-32464	300	315	32

109/26-001

Supa Lock™ socket x spigot fitting for cast iron pipes
Ductile Iron
EPDM drinking water approved
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Dd mm	Theoretical weight/kg
109-118-26-32064	100	118	10
109-170-26-32064	150	170	15
109-222-26-32064	200	222	22
109-274-26-32064	250	274	31
109-326-26-32064	300	326	41

109/30-003

Supa Lock™ double socket
Ductile Iron
EPDM drinking water approved
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Dd mm	Theoretical weight/kg
109-118-30-32064	100	118	9.3
109-170-30-32064	150	170	15
109-222-30-32064	200	222	20
109-274-30-32064	250	274	30
109-326-30-32064	300	326	40

106/02-006

Brass
EPDM drinking water approved

AVK ref. no.	DN mm	BSP thread Inch	Theoretical weight/kg
106-901-02-324	32	1/4" x 1/2"	0.6

107/PARTS-001

Supa Lock™ safety retainer
Self-locking

AVK ref. no.
107-040-03

O-ring

For Supa Lock™ valves and fittings
EPDM
Ø38x7

AVK ref. no.
96100005658

970/5003-001

Hot tap drilling kit for under pressure drilling in soft and hard pipe materials

AVK ref. no.	Theoretical weight/kg
970-5003-002-00001	8.1

970/5080-102

Drill bits and accessories

AVK ref. no.	Description	BSP thread inch
970-5080-012-00001	PVC/PE	1"
970-5080-012-00025	PVC/PE	1¼"
970-5080-012-00026	PVC/PE	1½"
970-5080-012-00004	PVC/PE	2"
970-5080-012-00005	PVC/PE	2½"
970-5080-012-00008	PVC/PE	3"
970-5080-012-00010	PVC/PE	4"
970-5080-012-00038	Extractor de 15-PVC/PE	
970-5080-012-00039	Extractor de 20-PVC/PE	
970-5080-012-00021	FD/FIBR	1"
970-5080-012-00022	FD/FIBR	1¼"
970-5080-012-00023	FD/FIBR	1½"
970-5080-012-00003	FD/FIBR	2"
970-5080-012-00006	FD/FIBR	2½"
970-5080-012-00007	FD/FIBR	3"
970-5080-012-00009	FD/FIBR	4"
970-5080-012-00027	Fixing screw ¼" PVC	
970-5080-012-00011	Fixing screw ø10 PVC	
970-5080-012-00040	Centering drill ¼" FFD/FIBR	
970-5080-012-00019	Centering drill ø14 FFD/FIBR	
970-5080-012-00041	Combination key 19	
970-5080-012-00014	Combination key 24	
970-5080-012-00042	Allen key 3 mm	
970-5080-012-00015	Allen key 4 mm	

970/5080-103

Female/Male adapter to join the basic system drilling machine to Series 03/30 and 727

AVK ref. no.	BSP thread inch
970-5080-012-00035	1"
970-5080-012-00024	1¼"
970-5080-012-00033	1½"
970-5080-012-00012	2"

343/34-001

Ball valve with PRK couplings

AVK ref. no.	DN mm	Theoretical weight/kg
343-025-34-10	25	1.7
343-032-34-10	32	2.2
343-040-34-10	40	3.5

351/10-001

Accessory set for series 343, service connection valve with drainage

AVK ref. no.	Theoretical weight/kg
351-000-10-00	0.2

04/08-001

Telescopic extension spindle for service connection valves
Key adaptor #23-32
L8 = Actual length
Polyethylene (PE)

AVK ref. no.	DN/DN	L8 mm	Range mm	F3 mm	Theoretical weight/kg
04-032-2-0002	25 - 50	450 - 700	700 - 920	23 - 32	1.9
04-032-2-0502	25 - 50	650 - 1100	900 - 1320	23 - 32	2.6
04-032-2-1002	25 - 50	1050 - 1750	1300 - 1970	23 - 32	3.7
04-032-2-1202	25 - 50	1400 - 2350	1650 - 2570	23 - 32	5.0
04-032-2-1502	25 - 50	1700 - 2900	1950 - 3120	23 - 32	5.9

04/06-001

Fixed extension spindle for service connection valves
Key adaptor #23-32
Polyethylene (PE)

AVK ref. no.	DN/DN	Pipe cover mm	F3 mm	Theoretical weight/kg
04-032-1-5002	25 - 50	800	23 - 32	1.3
04-032-1-5502	25 - 50	1000	23 - 32	1.8
04-032-1-6002	25 - 50	1250	23 - 32	2.2
04-032-1-6502	25 - 50	1500	23 - 32	2.4
04-032-1-7502	25 - 50	2000	23 - 32	3.2

04/F-31

Indication plates for ball valves
Polyethylene (PE)
Clockwise to Close or Clockwise to Open

AVK ref. no.	F3 mm	Theoretical weight/kg
04-02-00 (1)	14 - 22	0.1
04-03-00 (1)	23 - 32	0.1
04-04-00 (1)	12 - 15	0.1

(1) Bag of ID plates, 10 pcs., WATER

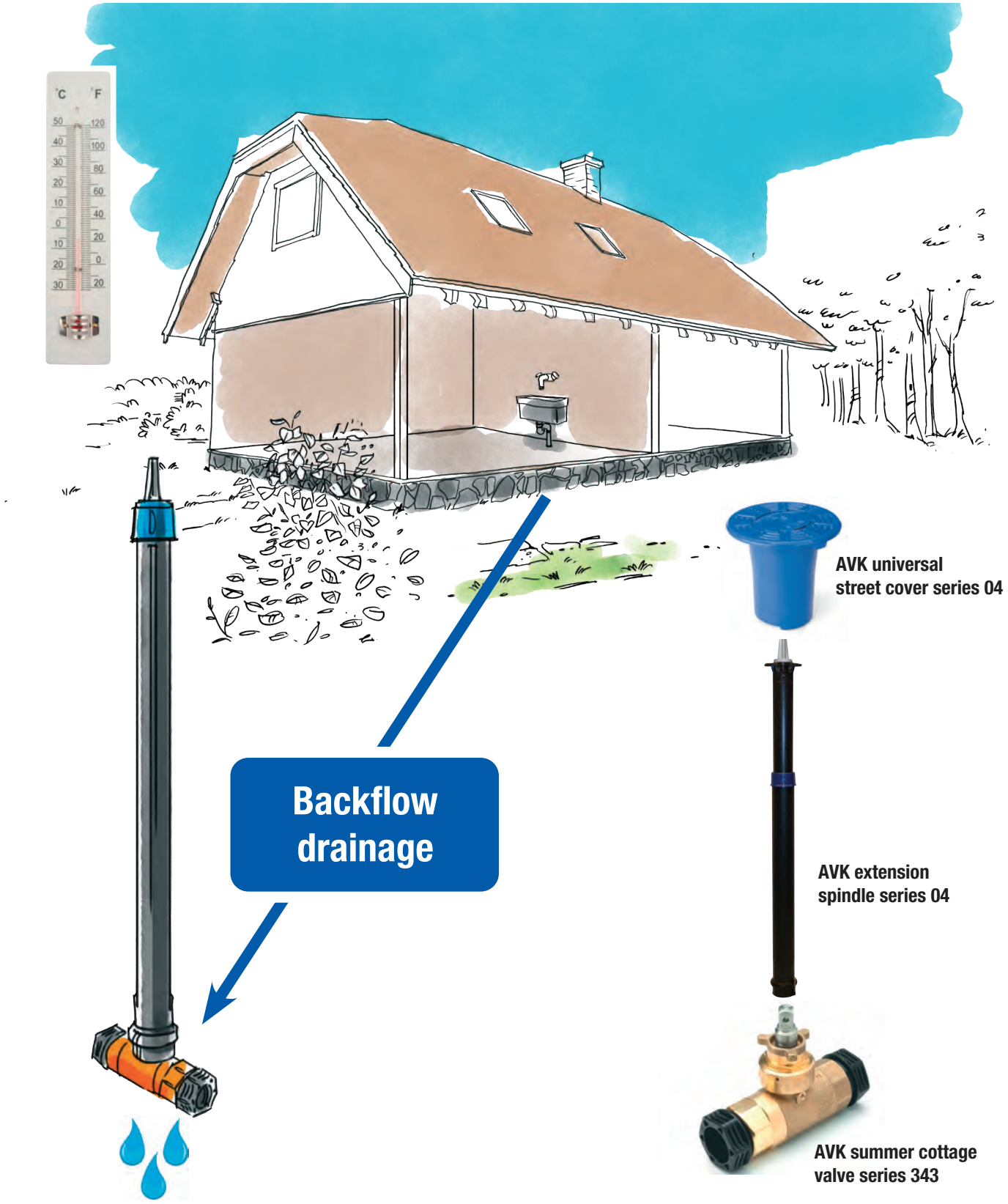
04/12-001

Universal surface box
Reversible fixed/floating design
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	H3 mm	L mm	Theoretical weight/kg
04-003-51-000 (1)	224	235	11
04-003-53-00 (2)	15	132	0.3
04-003-59 (3)	50	60	0.1
04-003-62-00 (4)			2.4
04-003-69-000 (5)	224	235	11

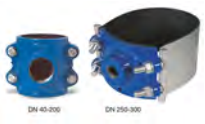
(1) Complete surface box, lid inscription "VAND" (without distance ring)
(2) Distance ring, blue epoxy
(3) Fixation plate
(4) Lid inscription "VAND - AVK"
(5) Complete surface box inscription lid "WATER" (without distance ring)

PROTECT YOUR SUMMER COTTAGE WATER PIPES FROM DAMAGES IN WINTER PERIODS



10/00-001

Tapping saddle for PVC and PE pipes
DN 250-300 with stainless steel bend
Ductile Iron
EPDM rubber
AVK coating standard



AVK ref. no.	D	BSP thread	DN	Theoretical
	mm	Inch	mm	weight/kg
10-050-00-011	50	1"	40	1.4
10-050-40-011	50	3/4"	40	1.4
10-063-00-011	63	1"	50	0.8
10-063-10-011	63	1 1/4"	50	1.5
10-063-20-011	63	1 1/2"	50	1.5
10-063-30-011	63	2"	50	1.5
10-063-40-011	63	3/4"	50	1.5
10-075-00-011	75	1"	65	2.1
10-075-10-011	75	1 1/4"	65	2.1
10-075-20-011	75	1 1/2"	65	2.1
10-075-30-011	75	2"	65	2.1
10-075-40-011	75	3/4"	65	2.1
10-090-00-011	90	1"	80	2.3
10-090-10-011	90	1 1/4"	80	2.3
10-090-20-011	90	1 1/2"	80	2.5
10-090-30-011	90	2"	80	2.3
10-090-40-011	90	3/4"	80	2.3
10-110-00-011	110	1"	100	3.4
10-110-10-011	110	1 1/4"	100	3.4
10-110-20-011	110	1 1/2"	100	3.4
10-110-30-011	110	2"	100	3.4
10-110-40-011	110	3/4"	100	3.4
10-125-00-011	125	1"	125	3.5
10-125-10-011	125	1 1/4"	125	3.5
10-125-20-011	125	1 1/2"	125	3.5
10-125-30-011	125	2"	125	3.5
10-125-40-011	125	3/4"	125	3.5
10-140-00-011	140	1"	125	5.2
10-140-10-011	140	1 1/4"	125	5.2
10-140-20-011	140	1 1/2"	125	5.2
10-140-30-011	140	2"	125	5.2
10-140-40-011	140	3/4"	125	5.2
10-160-00-011	160	1"	150	5.8
10-160-10-011	160	1 1/4"	150	5.8
10-160-20-011	160	1 1/2"	150	5.8
10-160-30-011	160	2"	150	6.4
10-160-40-011	160	3/4"	150	5.7
10-180-00-011	180	1"	150	6.5
10-180-10-011	180	1 1/4"	150	6.5
10-180-20-011	180	1 1/2"	150	7.0
10-180-30-011	180	2"	150	7.0
10-180-40-011	180	3/4"	150	7.0
10-200-00-011	200	1"	200	8.7
10-200-10-011	200	1 1/4"	200	8.7
10-200-20-011	200	1 1/2"	200	8.7
10-200-30-011	200	2"	200	8.7
10-200-40-011	200	3/4"	200	10
10-225-00-011	225	1"	200	9.9
10-225-10-011	225	1 1/4"	200	9.5
10-225-20-011	225	1 1/2"	200	9.5
10-225-30-011	225	2"	200	9.9
10-225-40-011	225	3/4"	200	10
10-250-00-011	250	1"	250	10
10-250-10-011	250	1 1/4"	250	10
10-250-30-011	250	2"	250	10
10-250-40-011	250	3/4"	250	10
10-280-00-011	280	1"	250	4.2
10-280-10-011	280	1 1/4"	250	4.2
10-280-20-011	280	1 1/2"	250	4.2
10-280-30-011	280	2"	250	4.2
10-280-40-011	280	3/4"	250	4.2
10-315-00-011	315	1"	300	4.4
10-315-10-011	315	1 1/4"	300	4.4
10-315-20-011	315	1 1/2"	300	4.4
10-315-30-011	315	2"	300	4.4
10-315-40-011	315	3/4"	300	4.4

10/14-001

Tapping saddle for cast iron/ductile iron/steel pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	BSP thread Inch	Tolerance mm	Theoretical weight/kg
10-067-14-0104	50	1"	60 - 67	1.6
10-067-14-1104	50	1 1/4"	60 - 67	1.6
10-067-14-2104	50	1 1/2"	60 - 67	1.9
10-067-14-3104	50	2"	60 - 67	1.9
10-083-14-0104	65	1"	76 - 83	1.8
10-083-14-1104	65	1 1/4"	76 - 83	1.8
10-083-14-2104	65	1 1/2"	76 - 83	1.8
10-083-14-3104	65	2"	76 - 83	1.8
10-099-14-0104	80	1"	88 - 99	1.8
10-099-14-1104	80	1 1 /4"	88 - 99	1.8
10-099-14-2104	80	1 1/2"	88 - 99	2.0
10-099-14-3104	80	2"	88 - 99	2.0
10-119-14-0104	100	1"	114 - 119	1.8
10-119-14-1104	100	1 1/4"	114 - 119	1.8
10-119-14-2104	100	1 1/2"	114 - 119	1.9
10-119-14-3104	100	2"	114 - 119	1.9
10-171-14-0104	150	1"	168 - 171	2.1
10-171-14-1104	150	1 1/4"	168 - 171	2.1
10-171-14-2104	150	1 1/2"	168 - 171	2.2
10-171-14-3104	150	2"	168 - 171	2.2
10-223-14-0104	200	1"	219 - 223	2.4
10-223-14-1104	200	1 1/4"	219 - 223	2.4
10-223-14-2104	200	1 1/2"	219 - 223	2.5
10-223-14-3104	200	2"	219 - 223	2.5
10-275-14-0104	250	1"	273 - 275	4.0
10-275-14-1104	250	1 1/4"	273 - 275	4.0
10-275-14-2104	250	1 1/2"	273 - 275	4.0
10-275-14-3104	250	2"	273 - 275	4.0
10-327-14-0104	300	1"	324 - 327	4.6
10-327-14-1104	300	1 1/4"	324 - 327	4.6
10-327-14-2104	300	1 1/2"	324 - 327	4.6
10-327-14-3104	300	2"	324 - 327	4.6

727/10-01

Tapping saddle for underpressure drilling for PE/PVC pipes

Ductile Iron

EPDM rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN	D	BSP thread	Theoretical
	mm	mm	Inch	weight/kg
727-10-063-0220000	50	63	3/4"	4.0
727-10-063-0320000	50	63	1"	4.0
727-10-063-0420000	50	63	1 1/4"	4.0
727-10-063-0520000	50	63	1 1/2"	4.0
727-10-090-0220000	80	90	3/4"	4.0
727-10-090-0320000	80	90	1"	4.0
727-10-090-0420000	80	90	1 1/4"	4.0
727-10-090-0520000	80	90	1 1/2"	4.0
727-10-090-0620000	80	90	2"	4.0
727-10-110-0220000	100	110	3/4"	5.0
727-10-110-0320000	100	110	1"	5.0
727-10-110-0420000	100	110	1 1/4"	5.0
727-10-110-0520000	100	110	1 1/2"	5.0
727-10-110-0620000	100	110	2"	5.0
727-10-125-0320000	125	125	1"	6.5
727-10-125-0420000	125	125	1 1/4"	6.5
727-10-125-0520000	125	125	1 1/2"	6.5
727-10-125-0620000	125	125	2"	6.5
727-10-140-0320000	125	140	1"	8.0
727-10-140-0420000	125	140	1 1/4"	8.0
727-10-140-0520000	125	140	1 1/2"	8.0
727-10-140-0620000	125	140	2"	8.0
727-10-160-0220000	150	160	3/4"	9.0
727-10-160-0320000	150	160	1"	9.0
727-10-160-0420000	150	160	1 1/4"	9.0
727-10-160-0520000	150	160	1 1/2"	9.0
727-10-160-0620000	150	160	2"	9.0
727-10-200-0220000	200	200	3/4"	15
727-10-200-0320000	200	200	1"	15
727-10-200-0420000	200	200	1 1/4"	15
727-10-200-0520000	200	200	1 1/2"	15
727-10-200-0620000	200	200	2"	15
727-10-225-0320000	200	225	1"	15
727-10-225-0420000	200	225	1 1/4"	15
727-10-225-0520000	200	225	1 1/2"	15
727-10-225-0620000	200	225	2"	15

730/2-01

Universal tapping saddle incl. stirrup

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN	BSP thread	T	Upper Part	Theoretical
	mm	Inch	mm	mm	weight/kg
730-2-088-12134	50	1/2"	50 - 88	50 - 200	2.3
730-2-088-22134	50	3/4"	50 - 88	50 - 200	2.3
730-2-088-32134	50	1"	50 - 88	50 - 200	2.3
730-2-088-42134	50	1 1/4"	50 - 88	50 - 200	2.3
730-2-088-52134	50	1 1/2"	50 - 88	50 - 200	2.3
730-2-118-12134	80	1/2"	88 - 118	50 - 200	2.3
730-2-118-22134	80	3/4"	88 - 118	50 - 200	2.3
730-2-118-32134	80	1"	88 - 118	50 - 200	2.3
730-2-118-42134	80	1 1/4"	88 - 118	50 - 200	2.3
730-2-118-52134	80	1 1/2"	88 - 118	50 - 200	2.3
730-2-118-62137	80	2"	88 - 118	50 - 200	2.3
730-2-133-12134	100	1/2"	105 - 133	50 - 200	2.4
730-2-133-22134	100	3/4"	105 - 133	50 - 200	2.4
730-2-133-32134	100	1"	105 - 133	50 - 200	2.4
730-2-133-42134	100	1 1/4"	105 - 133	50 - 200	2.4
730-2-133-52134	100	1 1/2"	105 - 133	50 - 200	2.4
730-2-133-62137	100	2"	105 - 133	50 - 200	2.4
730-2-159-32134	125	1"	133 - 159	50 - 200	2.4
730-2-159-52134	125	1 1/2"	133 - 159	50 - 200	2.4
730-2-159-62137	125	2"	133 - 159	50 - 200	2.5
730-2-186-32134	150	1"	156 - 186	50 - 200	2.7
730-2-186-42134	150	1 1/4"	156 - 186	50 - 200	2.7
730-2-186-52134	150	1 1/2"	156 - 186	50 - 200	2.7
730-2-186-62137	150	2"	156 - 186	80 - 300	2.6
730-2-216-32134	175	1"	186 - 216	50 - 200	2.7
730-2-216-42134	175	1 1/4"	186 - 216	50 - 200	2.7
730-2-216-52134	175	1 1/2"	186 - 216	50 - 200	2.7
730-2-216-62137	175	2"	186 - 216	50 - 200	2.7
730-2-244-32134	200	1"	210 - 244	50 - 200	2.8
730-2-244-42134	200	1 1/4"	210 - 244	50 - 200	2.8
730-2-244-52134	200	1 1/2"	210 - 244	50 - 200	2.8
730-2-244-62137	200	2"	210 - 244	80 - 300	2.8
730-2-270-32137	225	1"	210 - 244	80 - 300	2.8
730-2-270-42137	225	1 1/4"	240 - 270	80 - 300	2.8
730-2-270-52137	225	1 1/2"	240 - 270	80 - 300	2.8
730-2-270-62137	225	2"	240 - 270	80 - 300	2.8
730-2-298-32137	250	1"	265 - 298	80 - 300	2.8
730-2-298-42137	250	1 1/4"	265 - 298	80 - 300	2.8
730-2-298-52137	250	1 1/2"	265 - 298	80 - 300	2.8
730-2-298-62137	250	2"	265 - 298	80 - 300	2.8
730-2-330-32137	275	1"	299 - 330	80 - 300	3.0
730-2-330-42137	275	1 1/4"	299 - 330	80 - 300	3.0
730-2-330-52137	275	1 1/2"	299 - 330	80 - 300	3.0
730-2-330-62137	275	2"	299 - 330	80 - 300	6.0
730-2-345-32137	300	1"	315 - 345	80 - 300	3.0
730-2-345-42137	300	1 1/4"	315 - 345	80 - 300	3.0
730-2-345-52137	300	1 1 /2"	315 - 345	80 - 300	3.0
730-2-345-62137	300	2"	315 - 345	80 - 300	3.0
730-2-360-32137	300	1"	325 - 360	80 - 300	3.0
730-2-360-42137	300	1 1/4"	325 - 360	80 - 300	3.0
730-2-360-52137	300	1 1/2"	325 - 360	80 - 300	3.0
730-2-360-62137	300	2"	325 - 360	80 - 300	3.0

730/5-01

Universal tapping saddle head with blade shut-off for underpressure drilling and tapping

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	BSP thread Inch	Theoretical weight/kg
730-5-065-200	50-80	3/4"	3.2
730-5-065-300	50-80	1"	3.2
730-5-065-400	50-80	1 1/4"	3.2
730-5-065-500	50-80	1 1/2"	3.2
730-5-065-600	50-80	2"	3.2
730-5-085-200	80-300	3/4"	3.2
730-5-085-300	80-300	1"	3.2
730-5-085-400	80-300	1 1/4"	3.2
730-5-085-500	80-300	1 1/2"	3.2
730-5-085-600	80-300	2"	3.2

730/6-001

Stirrup for AVK universal tapping saddles

Stainless steel

AVK ref. no.	DN mm	T mm	Theoretical weight/kg
730-6-088-021	50	50 - 88	0.9
730-6-118-021	80	88 - 118	0.9
730-6-133-021	100	105 - 133	1.0
730-6-159-021	125	133 - 159	1.0
730-6-186-021	150	156 - 186	1.0
730-6-216-021	175	186 - 216	1.1
730-6-244-021	200	210 - 244	1.1
730-6-270-021	225	240 - 270	1.2
730-6-298-021	250	265 - 298	1.2
730-6-330-021	275	299 - 330	1.3
730-6-345-021	300	315 - 345	1.3
730-6-360-021	300	325 - 360	1.3

730/5-02

Shut-off blade

Ductile Iron

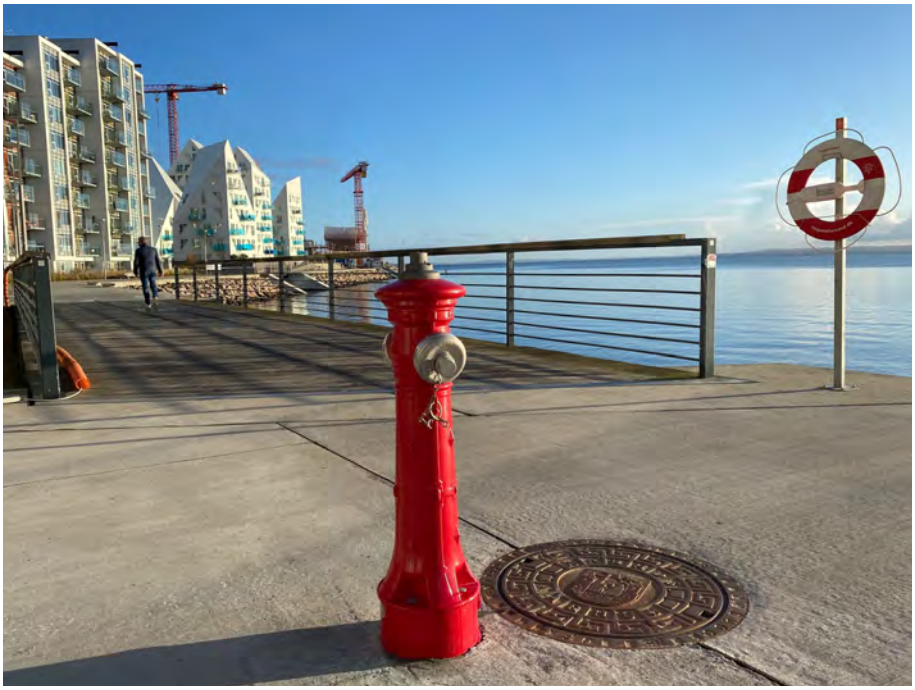
AVK ref. no.	DN/DN	Theoretical weight/kg
730-0-0-0	50 - 200	0.2
730-0-0-1	50 - 300	0.3

FIRE HYDRANTS

AVK offers a wide range of fire hydrants for above and underground installation and in a wealth of variants to meet our customers' needs.

Our above-ground fire hydrants offer a high level of safety due to a predetermined breaking point, protected signal colouring, easy maintenance and optimal sealing. Our standard range includes hydrants with manual or automatic drainage, single shut-off or additional ball shut-off, and a range of UL and FM approved hydrants.

AVK underground fire hydrants require only a minimum of maintenance. They have superior corrosion protection, protected threaded connections, automatic drainage, and optimal sealing. Our range of underground fire hydrants includes single shut-off fire hydrants with one-piece housing, double shut-off fire hydrants with two-piece housing, free flow fire hydrants and fire hydrants with backflow protection.



84/45-003

Above-ground hydrant
Model P7 "Nostalgia" with 2 x hose storz B
Ductile Iron
Polyurethane vulcanized plug
Fusion bonded epoxy coating to DIN 3476 part 1 and EN 14901 externally, enamel to DEV internally

AVK ref. no.	DN mm	Product PN Class	Pipe cover mm
84-080-45-211011	80	PN16	1000
84-080-45-211062 (1)	80	PN16	1000
84-080-45-311011	80	PN16	1250
84-080-45-311062 (1)	80	PN16	1250
84-080-45-411011	80	PN16	1500
84-080-45-411062 (1)	80	PN16	1500

(1) Hydrant body red enamelled outside

84/52-001

Above ground hydrant Model P7 "Nostalgia" with 2 x hose GOST couplings/1 x pumper nozzle STORZ A outlet
Ductile Iron
Polyurethane vulcanized plug
Fusion bonded epoxy coating to DIN 3476 part 1 and EN 14901 externally, enamel to DEV internally

AVK ref. no.	DN mm	Product PN Class	Pipe cover mm
84-100-52-311062	100	PN16	1250

84/B-001

Collision repair kit for P7 "Nostalgia" above-ground fire hydrants
Incl. o-ring/bolts/titan bushings and plugs

AVK ref. no.	DN mm	Theoretical weight/kg
140572	80	0.3
140573	100	0.3

84/91-001

Above-ground hydrant model N7 with traffic break-away design (Type C)
Single shut-off
Upper barrel of stainless steel
Polyurethane vulcanized plug
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Hose connection couplings «STORZ» type

AVK ref. no.	DN mm	Product PN Class	Pipe cover mm
84-080-91-21101015 (1)	80	PN16	1000
84-080-91-31101015 (1)	80	PN16	1250
84-080-91-41101010 (2)	80	PN16	1500
84-080-91-41101015 (1)	80	PN16	1500
84-100-91-21101010 (2)	100	PN16	1000
84-100-91-21101012 (3)	100	PN16	1000
84-100-91-31101010 (2)	100	PN16	1250
84-100-91-31101012 (3)	100	PN16	1250
84-100-91-41101010 (2)	100	PN16	1500

(1) 2 x coupling C, 1 x coupling B
(2) 2 x coupling B
(3) 2 x coupling B, 1 x coupling A

84/91-003

Above-ground hydrant model N7 with traffic break-away design (Type C)
Single shut-off,
Upper barrel of stainless steel
Polyurethane vulcanized plug
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Hose connection couplings "BOGDANOV" type 2 x DN80

AVK ref. no.	DN mm	Product PN Class	Pipe cover mm
84-100-91-31101020	100	PN16	1250
84-100-91-41101020	100	PN16	1500
84-100-91-51101020	100	PN16	1750
84-100-91-61101020	100	PN16	2000

84/B-002

Collision repair kit for N7 (Type C) above-ground fire hydrants
Incl. o-ring/bolts/titan bushings and plugs

AVK ref. no.	DN mm	Theoretical weight/kg
147989	80	0.3
147990	100	0.3

Hose Coupling

«BOGDANOV», DN80

AVK ref. no.
96-45000079

Blind cap

«BOGDANOV», DN80

AVK ref. no.
96-45000080

Operating Key

For Series 84 above ground hydrants

AVK ref. no.
84-000-80

27/00-001

Dry barrel hydrant
Modern type to AWWA C502
UL listed & FM approved
Ductile Iron
EPDM fire hydrant main valve
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved, polyester top coating
Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	H5 mm	Theoretical weight/kg
27-00-00204-00008-CP	150	ANSI B16.1	914	154
27-00-00205-00008-CP	150	ANSI B16.1	1067	163
27-00-00206-00008-CP	150	ANSI B16.1	1219	172
27-00-00207-00008-CP	150	ANSI B16.1	1372	181
27-00-00208-00008-CP	150	ANSI B16.1	1524	190
27-00-00209-00008-CP	150	ANSI B16.1	1677	199
27-00-00210-00008-CP	150	ANSI B16.1	1829	208

27/EI-010

Dry barrel hydrant
Modern type to AWWA C502
UL listed & FM approved
Stemrod AISI 316
Ductile Iron
EPDM fire hydrant main valve
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved, polyester top coating

AVK ref. no.	DN mm	Product PN Class	H5 mm	Theoretical weight/kg
27-EI-U0204-00008-CQ	150	ANSI CL150	914	154
27-EI-U0205-00008-CQ	150	ANSI CL150	1067	163
27-EI-U0206-00008-CQ	150	ANSI CL150	1219	172
27-EI-U0207-00008-CQ	150	ANSI CL150	1372	181
27-EI-U0208-00008-CQ	150	ANSI CL150	1524	190
27-EI-U0209-00008-CQ	150	ANSI CL150	1677	199
27-EI-U0210-00008-CQ	150	ANSI CL150	1829	208

27/00-002

6" base with PE 100 PN 16 connection
Ductile Iron
AVK coating standard

AVK ref. no.	DN/Ø mm
27-150-690080	150 - 180

27/00-003

Monitor elbow for series 27 hydrant
Ductile Iron
AWWA C550

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
27-080-89-12	80	PN16	35
27-100-89-12	100	PN16	40

96/00-006

Compact monitor for series 27

AVK ref. no.
96-450-00093 (1)
96-450-00094 (2)
96-450-00095 (3)

(1) Style 649 monitor excl. nozzle
(2) Incl. Style 825-BC nozzle
(3) Incl. Style 889-BC self educting nozzle plus drum pick up kit

96/00-005

Nozzles for series 27

AVK ref. no.
96-450-00096 (1)
96-450-00097 (2)
96-450-00098 (3)

(1) Style 825-BC
(2) Style 889-BC
(3) Drum pick-up kit for style 889 nozzle

27/C4-005

Operating and seat wrench for series 27 dry barrel hydrant

Ductile Iron

AWWA C550

AVK ref. no.		DN mm	Theoretical weight/kg
27-150-30-1001	(1)	150	2.7
27-150-30-4001	(2)	150	2.3

(1) Seat wrench

(2) Operating wrench

27/70-001

Extension kit for dry barrel hydrants

AVK ref. no.	L inch	L mm	Theoretical weight/kg
27-150-70-000	6"	152,4	9.0
27-150-70-100	12"	304,8	18
27-150-70-200	18"	457,2	27
27-150-70-300	24"	609,6	36
27-150-70-400	30"	762,0	45
27-150-70-500	36"	914,4	54

27/00-004

Traffic repair kit for series 27 hydrant

Ductile Iron

AVK coating standard

AVK ref. no.		DN mm	Theoretical weight/kg
27-150-75-1001	(1)	150	5.0
27-150-75-2001	(2)	150	5.0

(1) Bolts & nuts in galvanized steel grade 8.8

(2) Bolts & nuts in stainless steel

35/72-003

Underground fire hydrant to GOST 53961-2010

Ductile Iron

Polyurethane vulcanized plug

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	H3 mm	Theoretical weight/kg
35-125-72-081000	125	1000	62
35-125-72-091000	125	1250	67
35-125-72-101000	125	1500	72
35-125-72-111000	125	1750	83
35-125-72-121000	125	2000	90
35-125-72-131000	125	2250	97
35-125-72-141000	125	2500	105
35-125-72-151000	125	2750	116
35-125-72-161000	125	3000	124
35-125-72-171000	125	3250	130
35-125-72-181000	125	3500	139
35-125-72-191000	125	3750	149
35-125-72-201000	125	4000	157

35/72-005

Underground fire hydrant to GOST 53961-2010

Ductile Iron

Polyurethane vulcanized plug

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	H3 mm	Theoretical weight/kg
35-125-72-082000	100	1000	53
35-125-72-092000	100	1250	58
35-125-72-102000	100	1500	63
35-125-72-112000	100	1750	74
35-125-72-122000	100	2000	81
35-125-72-132000	100	2250	88
35-125-72-162000	100	3000	115
35-125-72-172000	100	3250	121
35-125-72-182000	100	3500	130
35-125-72-192000	100	3750	140
35-125-72-202000	100	4000	148

80/60-001

Flexdrain FS

Packing for underground hydrants DN80/100

PP

AVK ref. no.	Do1 mm	H3 mm	Theoretical weight/kg
80-60-00001	260	395	0.8

712/7010-001

Double flanged duckfoot bend type N to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
712-0080-70-101	80	PN 10/16	12
712-0100-70-101	100	PN 10/16	15
712-0150-70-101	150	PN 10/16	25
712-0200-70-101	200	PN16	52
712-0250-70-101	250	PN16	84
712-0300-70-101	300	PN10	119

78/7510-001

Frost proof fountain post for parks and gardens
Cast iron
EPDM rubber
AVK coating standard

AVK ref. no.	DN mm	H3 mm	Theoretical weight/kg
78-040-7510-100	40	1780	100

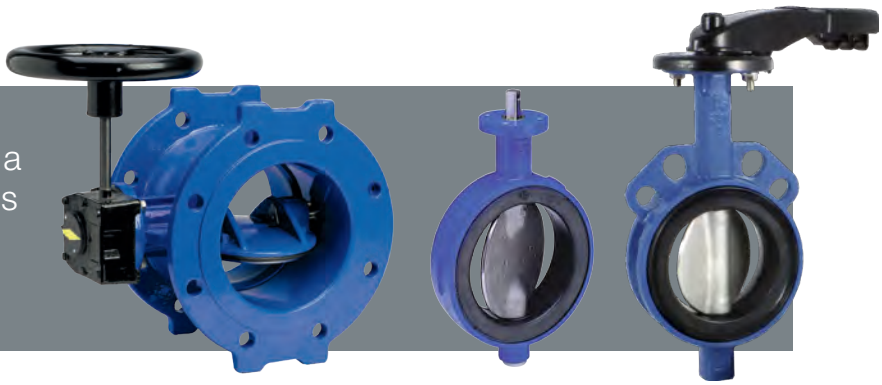
78/7511-002

Frost proof fountain post with fire outlet for parks and gardens
Cast iron
EPDM rubber
AVK coating standard

AVK ref. no.	DN mm	H3 mm	Theoretical weight/kg
78-040-7511-100	40	1780	109

BUTTERFLY VALVES

AVK offers one of the widest ranges of butterfly valves at the market including a large selection of material configurations and actuation. This means that we also can supply the right valve for your application.



Double eccentric butterfly valves
The valves are designed with tilted and firmly secured disc, optimised seal design and corrosion protected shaft end zones ensuring extra-long durability. The valves are easy to handle due to the slim design which also results in a more sustainable production process. Available with integral and stainless steel seat in DN150-2800, and up to PN25.

Centric butterfly valves with fixed rubber liner
The rubber is vulcanized directly on the valve body forming a permanent bond. Therefore, there is no risk of deformation or dislocation of the liner, and the valves are suitable even under vacuum conditions. Available as wafer, semi lug, full lug and double flange in DN40-2000.

Centric butterfly valves with loose rubber liner
The replaceable liner has a very robust construction with a convex form and integrated lip sealings which ensures a tight connection with the shaft and prevents any relative liner displacement during operation. Available as wafer, lug and U-section in DN25-1600.

756/100-104
Double eccentric butterfly valve to EN 593 w. integral seat and IP67 gearbox w. handwheel
Face-to-face dimension according to EN 558 Table 2 Basic Series 14
Ductile Iron
EPDM drinking water approved
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved
Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0150-1-14000	150	PN10/16	37
756-0200-1-04	200	PN10	51
756-0200-1-14	200	PN16	51
756-0250-1-04	250	PN10	71
756-0250-1-14	250	PN16	71
756-0300-1-04	300	PN10	100
756-0300-1-14	300	PN16	106
756-0350-1-04	350	PN10	128
756-0350-1-14	350	PN16	134
756-0400-1-04	400	PN10	166
756-0400-1-14	400	PN16	166
756-0450-1-04	450	PN10	211
756-0450-1-14	450	PN16	219
756-0500-1-04	500	PN10	206
756-0500-1-14	500	PN16	282
756-0600-1-04	600	PN10	285
756-0600-1-14	600	PN16	426

756/100-020

Double eccentric butterfly valve to EN 593 **w. stainless steel seat** and IP67 gearbox w/handwheel

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0150-1-1400009	150	PN10/16	37
756-0200-1-0400009	200	PN10	51
756-0200-1-1400009	200	PN16	51
756-0250-1-0400009	250	PN10	71
756-0250-1-1400009	250	PN16	71
756-0300-1-0400009	300	PN10	71
756-0300-1-1400009	300	PN16	71
756-0350-1-0400009	350	PN10	128
756-0350-1-1400009	350	PN16	128
756-0400-1-0400009	400	PN10	166
756-0400-1-1400009	400	PN16	166
756-0450-1-0400009	450	PN10	211
756-0450-1-1400009	450	PN16	219
756-0500-1-0400009	500	PN10	206
756-0500-1-1400009	500	PN16	282
756-0600-1-0400009	600	PN10	206
756-0600-1-1400009	600	PN16	425

756/100-671

Double eccentric butterfly valve to EN 593 w. integral seat and IP67 gearbox w. handwheel

Face-to-face dimension according to EN 558 Table 2 Series 14 (DN 2000)/DIN 3202 - F4 (DN>2000)

Ductile Iron

EPDM drinking water approved

Blue epoxy RAL 5017 250 µm

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0700-1-04	700	PN10	444
756-0700-1-14	700	PN16	517
756-0800-1-04	800	PN10	592
756-0800-1-14	800	PN16	663
756-0900-1-04	900	PN10	745
756-0900-1-14	900	PN16	874
756-1000-1-04	1000	PN10	974
756-1000-1-14	1000	PN16	1113
756-1200-1-04	1200	PN10	1442
756-1200-1-14	1200	PN16	1678
756-1400-1-04	1400	PN10	2150
756-1400-1-14	1400	PN16	2472
756-1500-1-04	1500	PN10	2606
756-1500-1-14	1500	PN16	3001
756-1600-1-04	1600	PN10	3187
756-1600-1-14	1600	PN16	3468
756-1800-1-04	1800	PN10	3794
756-1800-1-14	1800	PN16	4217
756-2000-1-04	2000	PN10	5287
756-2000-1-14	2000	PN16	5755
756-2200-1-04	2200	PN10 DIN	6534
756-2200-1-14	2200	PN16 DIN	8361
756-2400-1-04	2400	PN10 DIN	9370
756-2400-1-14	2400	PN16 DIN	11520
756-2800-1-04000 (1)	2800	PN10	12850

(1) Uni-directional

756/100-672

Double eccentric butterfly valve to EN 593 **w. stainless steel seat** and IP67 gearbox w. handwheel

Face-to-face dimension according to EN 558 Table 2 Series 14 (DN≥2000)/DIN 3202 - F4 (DN>2000)

Ductile Iron

EPDM drinking water approved

Blue epoxy RAL 5017 250 µm

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0700-1-0400009	700	PN10	444
756-0700-1-1400009	700	PN16	517
756-0800-1-0400009	800	PN10	669
756-0800-1-1400009	800	PN16	663
756-0900-1-0400009	900	PN10	745
756-0900-1-1400009	900	PN16	874
756-1000-1-0400009	1000	PN10	974
756-1000-1-1400009	1000	PN16	1113
756-1200-1-0400009	1200	PN10	1442
756-1200-1-1400009	1200	PN16	1678
756-1400-1-0400009	1400	PN10	2150
756-1400-1-1400009	1400	PN16	2472
756-1500-1-0400009	1500	PN10	2606
756-1500-1-1400009	1500	PN16	3001
756-1600-1-0400009	1600	PN10	3187
756-1600-1-1400009	1600	PN16	3468
756-1800-1-0400009	1800	PN10	3794
756-1800-1-1400009	1800	PN16	4217
756-2000-1-0400009	2000	PN10	5287
756-2000-1-1400009	2000	PN16	5235
756-2200-1-0400009	2200	PN10 DIN	6534
756-2200-1-1400009	2200	PN16 DIN	8361
756-2400-1-0400009	2400	PN10 DIN	9380
756-2400-1-1400009	2400	PN16 DIN	11520

756/102-021

Double eccentric butterfly valve to EN 593 **w. stainless steel seat** and ISO-input IP67 gearbox

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0150-1-1400209	150	PN10/16	38
756-0200-1-0400209	200	PN10	51
756-0200-1-1400209	200	PN16	51
756-0250-1-0400209	250	PN10	71
756-0250-1-1400209	250	PN16	71
756-0300-1-0400209	300	PN10	102
756-0300-1-1400209	300	PN16	114
756-0350-1-0400209	350	PN10	130
756-0350-1-1400209	350	PN16	142
756-0400-1-0400209	400	PN10	179
756-0400-1-1400209	400	PN16	166
756-0450-1-0400209	450	PN10	216
756-0450-1-1400209	450	PN16	242
756-0500-1-0400209	500	PN10	206
756-0500-1-1400209	500	PN16	282
756-0600-1-0400209	600	PN10	308
756-0600-1-1400209	600	PN16	438

756/102-142

Double eccentric butterfly valve to EN 593 w. integral seat and ISO-input IP67 gearbox

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0150-1-14002	150	PN10/16	38
756-0200-1-04002	200	PN10	40
756-0200-1-14002	200	PN16	51
756-0250-1-04002	250	PN10	58
756-0250-1-14002	250	PN16	68
756-0300-1-04002	300	PN10	83
756-0300-1-14002	300	PN16	83
756-0350-1-04002	350	PN10	110
756-0350-1-14002	350	PN16	110
756-0400-1-04002	400	PN10	142
756-0400-1-14002	400	PN16	166
756-0450-1-04002	450	PN10	184
756-0450-1-14002	450	PN16	184
756-0500-1-04002	500	PN10	240
756-0500-1-14002	500	PN16	240
756-0600-1-04002	600	PN10	410
756-0600-1-14002	600	PN16	410

756/102-IS1

Double eccentric butterfly valve to EN 593 w. integral seat and ISO-input IP67 gearbox

Face-to-face dimension according to EN 558 Table 2 Series 14 (DN 2000)/DIN 3202 - F4 (DN>2000)

Ductile Iron

EPDM drinking water approved

Blue epoxy RAL 5017 250 µm

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0700-1-04002	700	PN10	469
756-0700-1-14002	700	PN16	551
756-0800-1-04002	800	PN10	632
756-0800-1-14002	800	PN16	697
756-0900-1-04002	900	PN10	780
756-0900-1-14002	900	PN16	885
756-1000-1-14002	1000	PN16	1131
756-1200-1-14002	1200	PN16	1745
756-1400-1-04002	1400	PN10	2228
756-1400-1-14002	1400	PN16	2474
756-1500-1-04002	1500	PN10	2684
756-1500-1-14002	1500	PN16	3003
756-1600-1-04002	1600	PN10	3189
756-1600-1-14002	1600	PN16	3470
756-1800-1-04002	1800	PN10	3796
756-1800-1-14002	1800	PN16	4363
756-2000-1-04002	2000	PN10	5327
756-2000-1-14002	2000	PN16	6035
756-2200-1-04002	2200	PN10 DIN	6652
756-2200-1-14002	2200	PN16 DIN	8023
756-2400-1-04002	2400	PN10 DIN	9350
756-2400-1-14002	2400	PN16 DIN	11550

756/102-IS2

Double eccentric butterfly valve to EN 593 **w. stainless steel seat** and ISO-input IP67 gearbox

Face-to-face dimension according to EN 558 Table 2 Series 14 (DN2000)/DIN 3202 - F4 (DN>2000)

Ductile Iron

EPDM drinking water approved

Blue epoxy RAL 5017 250 µm

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0700-1-0400209	700	PN10	469
756-0700-1-1400209	700	PN16	538
756-0800-1-0400209	800	PN10	632
756-0800-1-1400209	800	PN16	697
756-0900-1-0400209	900	PN10	780
756-0900-1-1400209	900	PN16	885
756-1000-1-0400209	1000	PN10	996
756-1000-1-1400209	1000	PN16	1131
756-1200-1-0400209	1200	PN10	1541
756-1200-1-1400209	1200	PN16	1745
756-1400-1-0400209	1400	PN10	2228
756-1400-1-1400209	1400	PN16	2474
756-1500-1-0400209	1500	PN10	2684
756-1500-1-1400209	1500	PN16	3003
756-1600-1-0400209	1600	PN10	3189
756-1600-1-1400209	1600	PN16	3470
756-1800-1-0400209	1800	PN10	3796
756-1800-1-1400209	1800	PN16	4363
756-2000-1-0400209	2000	PN10	5327
756-2000-1-1400209	2000	PN16	6035
756-2200-1-0400209	2200	PN10 DIN	6652
756-2200-1-1400209	2200	PN16 DIN	8023
756-2400-1-0400209	2400	PN10 DIN	9360
756-2400-1-1400209	2400	PN16 DIN	11550

756/106-022

Double eccentric butterfly valve to EN 593 **w. stainless steel seat** and IP68 gearbox

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0150-1-1400609	150	PN10/16	37
756-0200-1-0400609	200	PN10	51
756-0200-1-1400609	200	PN16	51
756-0250-1-0400609	250	PN10	71
756-0250-1-1400609	250	PN16	71
756-0300-1-0400609	300	PN10	100
756-0300-1-1400609	300	PN16	106
756-0350-1-0400609	350	PN10	128
756-0350-1-1400609	350	PN16	134
756-0400-1-0400609	400	PN10	166
756-0400-1-1400609	400	PN16	166
756-0450-1-0400609	450	PN10	211
756-0450-1-1400609	450	PN16	219
756-0500-1-0400609	500	PN10	206
756-0500-1-1400609	500	PN16	282
756-0600-1-0400609	600	PN10	285
756-0600-1-1400609	600	PN16	425

756/106-146

Double eccentric butterfly valve to EN 593 w. integral seat and IP68 gearbox

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0150-1-14006	150	PN10/16	37
756-0200-1-04006	200	PN10	40
756-0200-1-14006	200	PN16	51
756-0250-1-04006	250	PN10	58
756-0250-1-14006	250	PN16	50
756-0300-1-04006	300	PN10	83
756-0300-1-14006	300	PN16	106
756-0350-1-04006	350	PN10	110
756-0350-1-14006	350	PN16	172
756-0400-1-04006	400	PN10	142
756-0400-1-14006	400	PN16	166
756-0450-1-04006	450	PN10	184
756-0450-1-14006	450	PN16	214
756-0500-1-04006	500	PN10	240
756-0500-1-14006	500	PN16	214
756-0600-1-04006	600	PN10	410
756-0600-1-14006	600	PN16	425

756/106-681

Double eccentric butterfly valve to EN 593 w. integral seat and IP68 gearbox

Face-to-face dimension according to EN 558 Table 2 Series 14 (DN 2000)/DIN 3202 - F4 (DN>2000)

Ductile Iron

EPDM drinking water approved

Blue epoxy RAL 5017 250 µm

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0700-1-04006	700	PN10	444
756-0700-1-14006	700	PN16	517
756-0800-1-04006	800	PN10	592
756-0800-1-14006	800	PN16	663
756-0900-1-04006	900	PN10	745
756-0900-1-14006	900	PN16	874
756-1000-1-04006	1000	PN10	974
756-1000-1-14006	1000	PN16	1113
756-1200-1-04006	1200	PN10	1442
756-1200-1-14006	1200	PN16	1678
756-1400-1-04006	1400	PN10	2150
756-1400-1-14006	1400	PN16	2472
756-1500-1-04006	1500	PN10	2606
756-1500-1-14006	1500	PN16	3001
756-1600-1-04006	1600	PN10	3187
756-1600-1-14006	1600	PN16	3468
756-1800-1-04006	1800	PN10	3794
756-1800-1-14006	1800	PN16	4363
756-2000-1-04006	2000	PN10	5327
756-2000-1-14006	2000	PN16	6035
756-2200-1-04006	2200	PN10 DIN	6652
756-2200-1-14006	2200	PN16 DIN	8366
756-2400-1-04006	2400	PN10 DIN	9380
756-2400-1-14006	2400	PN16 DIN	11528
756-2800-1-04006 (1)	2800	PN10	12850

(1) Uni-directional

756/106-682

Double eccentric butterfly valve to EN 593 w. stainless steel seat and IP68 gearbox

Face-to-face dimension according to EN 558 Table 2 Series 14 (DN2000)/DIN 3202 - F4 (DN>2000)

Ductile Iron

EPDM drinking water approved

Blue epoxy RAL 5017 250 µm

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0700-1-0400609	700	PN10	444
756-0700-1-1400609	700	PN16	517
756-0800-1-0400609	800	PN10	592
756-0800-1-1400609	800	PN16	663
756-0900-1-0400609	900	PN10	745
756-0900-1-1400609	900	PN16	874
756-1000-1-0400609	1000	PN10	974
756-1000-1-1400609	1000	PN16	1113
756-1200-1-0400609	1200	PN10	1442
756-1200-1-1400609	1200	PN16	1678
756-1400-1-1400609	1400	PN16	2472
756-1500-1-0400609	1500	PN10	2606
756-1500-1-1400609	1500	PN16	3001
756-1600-1-0400609	1600	PN10	3187
756-1600-1-1400609	1600	PN16	3468
756-1800-1-0400609	1800	PN10	3794
756-1800-1-1400609	1800	PN16	4363
756-2000-1-0400609	2000	PN10	5327
756-2000-1-1400609	2000	PN16	6035
756-2200-1-0400609	2200	PN10 DIN	6652
756-2200-1-1400609	2200	PN16 DIN	8366
756-2400-1-0400609	2400	PN10 DIN	9360
756-2400-1-1400609	2400	PN16 DIN	11528

756/9-001

Handwheel for extension spindles #25 mm rod wall post and post indicator

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN/DN	D mm	F mm	Theoretical weight/kg
08-200-11-00 (1)	200 - 400	340	32	6.0
08-400-11-00 (2)	450 - 600	640	32	15

(1) Ø360/#32 mm

(2) Ø640/#32 mm

756/7-002

Telescopic extension spindle for double eccentric butterfly valves
Key adaptor #23-32
L8 = Actual length
Polyethylene (PE)

AVK ref. no.	DN/DN	L8 mm	F3 mm	Theoretical weight/kg
04-400-9-00020042	150 - 1200	450 - 700	23 - 32	3.4
04-400-9-05020042	150 - 1200	650 - 1100	23 - 32	4.0
04-400-9-10020042	150 - 1200	1050 - 1750	23 - 32	4.7
04-400-9-15020042	150 - 1200	1700 - 2900	23 - 32	5.2
04-400-9-22020042	150 - 1200	2850 - 5250	23 - 32	8.7

756/122-142

Double eccentric butterfly valve to EN 593 w. integral seat and ISO-input IP68 gearbox
Face-to-face dimension according to EN 558 Table 2 Basic Series 14
Ductile Iron
EPDM drinking water approved
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved
Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0200-1-0402200048	200	PN10	51
756-0200-1-1402200048	200	PN16	51
756-0250-1-0402200048	250	PN10	71
756-0250-1-1402200048	250	PN16	71
756-0300-1-0402200048	300	PN10	96
756-0300-1-1402200048	300	PN16	108
756-0400-1-0402200048	400	PN10	169
756-0400-1-1402200048	400	PN16	169
756-0500-1-0402200048	500	PN10	206
756-0500-1-1402200048	500	PN16	282
756-0600-1-0402200048	600	PN10	318
756-0600-1-1402200048	600	PN16	445

756/122-143

Double eccentric butterfly valve to EN 593 w. integral seat and ISO-input IP68 gearbox
Face-to-face dimension according to EN 558 Table 2 Basic Series 14
Ductile Iron
EPDM drinking water approved
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved
Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
756-0700-1-0402200048	700	PN10	473
756-0700-1-1402200048	700	PN16	558
756-0800-1-0402200048	800	PN10	703
756-0800-1-1402200048	800	PN16	703
756-0900-1-0402200048	900	PN10	785
756-0900-1-1402200048	900	PN16	900
756-1000-1-0402200048	1000	PN10	1001
756-1000-1-1402200048	1000	PN16	1218
756-1200-1-0402200048	1200	PN10	1553
756-1200-1-1402200048	1200	PN16	1806

756/8-001

Locking device unit for double eccentric butterfly valve
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	Valve size DN	Product class PN	Theoretical weight/kg
756-0250-88901	200/250	PN 10/16	2,0
756-0250-88902	200	PN 25	2,0
756-0400-88901	300/350/400	PN 10/16	2,5
	250/300	PN 25	2,5
756-0500-88901	450/500	PN 10/16	2,7
	600	PN 10	2,7
	350/400	PN 25	2,7
756-0600-88901	600	PN 16	3,9
	500	PN 25	3,9
756-0700-88901	700	PN 10/16	9,0
	600/700	PN 25	9,0
756-0900-88901	800/900	PN 10/16	9,2
	900	PN 25	9,2
756-1000-88901	1000	PN 10/16	9,3
756-1200-88901	1200	PN 10/16	13,0
	1000	PN 25	13,0
756-1400-88901	1400/1500	PN 10	13,2
756-1500-88903	1400/1500	PN 16	34,0
756-1600-88903	1600	PN 10/16	35,0
	1200	PN 25	35,0
756-1800-88903	1800	PN 10/16	35,5
756-2200-88901	2000	PN 10/16	46,0
	2200	PN 10	46,0
756-2201-88901	2200	PN 16	62,0
756-2400-88901	2400	PN 16	94,0
	2800	PN 10	94,0

75/10-020

Centric butterfly valve with fixed liner
Wafer
DN40-200: duplex disc
DN250-1000: rilsan coated disc
Face-to-face dimension according to EN 558 table 5 basic series 20
Ductile Iron
EPDM drinking water approved
Blue epoxy RAL 5017 200 µm

AVK ref. no.		DN mm	Product PN Class	Theoretical weight/kg
75-0040-10-223002614200	(1)	40	PN16	2.6
75-0050-10-223002614200	(1)	50	PN16	3.0
75-0065-10-223002614200	(1)	65	PN16	3.2
75-0080-10-223002614200	(1)	80	PN16	3.5
75-0100-10-223002614200	(1)	100	PN16	4.5
75-0125-10-223002614200	(1)	125	PN16	6.3
75-0150-10-223002614200	(1)	150	PN16	8.8
75-0200-10-223001314200	(1)	200	PN10	13
75-0250-10-225101314200		250	PN10	22
75-0300-10-225101314200		300	PN10	32
75-0350-10-225101314200		350	PN10	40
75-0400-10-225101314200		400	PN10	75
75-0450-10-225101314200		450	PN10	90
75-0500-10-225101314200		500	PN10	120
75-0600-10-225101314200		600	PN10	180
75-0700-10-225101314200		700	PN10	295
75-0800-10-225101314200		800	PN10	345
75-0900-10-225101314200		900	PN10	475
75-1000-10-225101314200		1000	PN10	635

(1) Disc material in duplex

75/20-201

Centric butterfly valve with fixed liner
Double flanged short
Face-to-face dimension according to EN 558 table 4 basic series 13
Ductile Iron
EPDM drinking water approved
Clockwise to Close

Duplex disc

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
75-0050-20-223005614200	50	PN10/16	8.0
75-0065-20-223005614200	65	PN10/16	9.0
75-0080-20-223005614200	80	PN10/16	11
75-0100-20-223005614200	100	PN10/16	13
75-0125-20-223005614200	125	PN10/16	17
75-0150-20-223005614200	150	PN10/16	23
75-0200-20-223001314200	200	PN10	32
75-0200-20-223002614200	200	PN16	32
75-0250-20-223001314200	250	PN10	50
75-0250-20-223002614200	250	PN16	50
75-0300-20-223001314200	300	PN10	65
75-0300-20-223002614200	300	PN16	65
75-0350-20-223001314200	350	PN10	95
75-0350-20-223002614200	350	PN16	95
75-0400-20-223001314200	400	PN10	130
75-0400-20-223002614200	400	PN16	130
75-0450-20-226001314200	450	PN10	150
75-0450-20-226002614200	450	PN16	150
75-0500-20-226001314200	500	PN10	200
75-0500-20-226002614200	500	PN16	200
75-0600-20-226001314200	600	PN10	300
75-0600-20-226002614200	600	PN16	300
75-0700-20-226001314200	700	PN10	380
75-0700-20-226002614200	700	PN16	380
75-0800-20-226001314200	800	PN10	500
75-0800-20-226002614200	800	PN16	500
75-0900-20-226001314200	900	PN10	660
75-0900-20-226002614200	900	PN16	660
75-1000-20-226001314200	1000	PN10	900
75-1000-20-226002614200	1000	PN16	900

75

Lever for butterfly valves
DN40-300
PN10

DN mm
50-125
150-200
250-300

AUMA PROFOX PFQ

Quarter turn Electric actuator

Design features

- Open-close or modulating duty
- Torque range between 32 Nm to 600 Nm
- Handwheel for manual operation
- Wide range power supply unit
- Variable speed assuring premium control accuracy
- Mechanical position indication

Ambient conditions

- Large temperature range between –30 °C and +70 °C
- Premium enclosure protection IP67 or IP68
- High grade corrosion protection up to C5-M/C5-I
- Robust metal housing

Please consult with AVK for exact actuator specifications

AVK ref. no.	Model	DN	PN
		mm	
	PF-Q80	50	PN10
	PF-Q80	65	PN10
	PF-Q80	80	PN10
	PF-Q80	100	PN10
	PF-Q80	125	PN10
	PF-Q80	150	PN10
	PF-Q150	200	PN10
	PF-Q300	250	PN10
	PF-Q600	300	PN10
	PF-Q600	350	PN10
	PF-Q80	50	PN16
	PF-Q80	65	PN16
	PF-Q80	80	PN16
	PF-Q80	100	PN16
	PF-Q80	125	PN16
	PF-Q80	150	PN16
	PF-Q300	200	PN16
	PF-Q600	250	PN16
	PF-Q600	300	PN16
	PF-Q600	350	PN16

AUMA actuators SQ

Design features

- Torque range from 50 Nm to 2,400 Nm
- Operating time ranges for 90° from 4 s to 100 s
- Limit and torque seating
- 3-ph AC and 1-ph AC motors
- Handwheel for manual operation
- Mechanical position indicator

Ambient conditions

- High enclosure protection
- High quality corrosion protection
- Wide ambient temperature ranges

Please consult with AVK for exact actuator specifications

AVK ref. no.	Model	DN	PN
		mm	
	SQ05.2	50-80	PN10/16/25
	SQ05.2	100-125	PN10/16/25
	SQ05.2	150	PN10/16/25
	SQ05.2	200	PN10
	SQ07.2	200	PN16/25
	SQ10.2	250	PN10/16/25
	SQ10.2	300	PN10/16
	SQ12.2	300	PN25
	SQ10.2	350	PN10/16
	SQ12.2	350	PN25

820/00-025

Centric butterfly valve with loose liner
Wafer bare shaft
Face-to-face dimension according to DIN/EN 558-1, series 20 (K1)
Ductile iron/ 1.4408 disc
EPDM drinking water approved
Blue epoxy RAL 5017 200 µm up to DN400. Above PUR coating 250 µm
Clockwise to Close

AVK ref. no.		DN mm	Product PN Class	Theoretical weight/kg
820-0025-00-541L0160002		25	PN16	1.0
820-0032-00-541L0160002		32	PN16	1.0
820-0040-00-541L0160002		40	PN16	1.3
820-0050-00-541L0160002		50	PN16	1.8
820-0065-00-541L0160002		65	PN16	2.3
820-0080-00-541L0160002		80	PN16	2.3
820-0100-00-541L0160002		100	PN16	3.9
820-0125-00-541L0160002		125	PN16	5.0
820-0150-00-541L0160002		150	PN16	5.9
820-0200-00-541L0130002		200	PN10	9.3
820-0200-00-541L0160002		200	PN16	9.3
820-0250-00-541L0130002		250	PN10	17
820-0250-00-541L0160002		250	PN16	17
820-0300-00-541L0130002		300	PN10	24
820-0300-00-541L0160002		300	PN16	24
820-0350-00-04020130002		350	PN10	42
820-0350-00-04020160002		350	PN16	42
820-0400-00-04020130002		400	PN10	57
820-0400-00-04020160002		400	PN16	57
820-0450-00-04060031002	(1)	450	PN10	95
820-0450-00-04060161002	(1)	450	PN16	95
820-0500-00-04060031002	(1)	500	PN10	125
820-0500-00-04060161002	(1)	500	PN16	125
820-0600-00-04060031002	(1)	600	PN10	180
820-0600-00-04060161002	(1)	600	PN16	180
820-0700-00-04060031002	(1)	700	PN10	280
820-0700-00-04060161002	(1)	700	PN16	280
820-0800-00-04060031002	(1)	800	PN10	387
820-0800-00-04060161002	(1)	800	PN16	387
820-0900-00-04060031002	(1)	900	PN10	502
820-0900-00-04060161002	(1)	900	PN16	502
820-1000-00-04060031002	(1)	1000	PN10	710
820-1000-00-04060161002	(1)	1000	PN16	710

(1) 250 my PUR coating on body

820/00-029

Centric butterfly valve with loose liner and bare shaft - Wafer
Face-to-face dimension according to DIN/EN 558-1, series 20 (K1)
Ductile iron/ GGG disc, Rilsan coated
EPDM drinking water approved
Blue epoxy RAL 5017 200 µm up to DN400. Above PUR coating 250 µm
Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
820-0025-00-541E0160002	25	PN16	1.0
820-0032-00-541E0160002	32	PN16	1.0
820-0040-00-541E0160002	40	PN16	1.3
820-0050-00-541E0160002	50	PN16	1.8
820-0065-00-541E0160002	65	PN16	2.3
820-0080-00-541E0160002	80	PN16	2.3
820-0100-00-541E0160002	100	PN16	3.9
820-0125-00-541E0160002	125	PN16	5.0
820-0150-00-541E0160002	150	PN16	5.9
820-0200-00-541E0160002	200	PN16	9.3
820-0250-00-541E0160002	250	PN16	17
820-0300-00-541E0160002	300	PN16	24

820/10-029

Centric butterfly valve with loose liner
Lug with bare shaft
Face-to-face dimension according to DIN/EN 558-1, series 20 (K1)
Ductile iron/ 1.4408 disc
EPDM drinking water approved
Blue epoxy RAL 5017 200 µm up to DN400. Above PUR coating 250 µm
Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	L mm	Theoretical weight/kg
820-0025-10-541L0160002	25	PN16	30	1.5
820-0032-10-541L0160002	32	PN16	30	1.5
820-0040-10-541L0160002	40	PN16	33	1.9
820-0050-10-541L0160002	50	PN16	43	2.4
820-0065-10-541L0160002	65	PN16	46	4.8
820-0080-10-541L0160002	80	PN16	46	4.0
820-0100-10-541L0160002	100	PN16	52	6.2
820-0125-10-541L0160002	125	PN16	56	7.7
820-0150-10-541L0160002	150	PN16	56	8.4
820-0200-10-541L0160002	200	PN16	60	17
820-0250-10-541L0160002	250	PN16	68	24
820-0300-10-541L0160002	300	PN16	78	32
820-0350-10-04020030002	350	PN10	80	55
820-0350-10-04020160002	350	PN16	80	55
820-0400-10-04020030002	400	PN10	102	75
820-0400-10-04020160002	400	PN16	102	75
820-0450-10-04060031002	450	PN10	113	150
820-0450-10-04060161002 (1)	450	PN16	113	150
820-0500-10-04060031002 (1)	500	PN10	126	170
820-0500-10-04060161002 (1)	500	PN16	126	170
820-0600-10-04060031002 (1)	600	PN10	153	240
820-0600-10-04060161002 (1)	600	PN16	153	240

(1) 250 my PUR coating on body

820/10-032

Centric butterfly valve with loose liner and bare shaft - Lug
Face-to-face dimension according to DIN/EN 558-1, series 20 (K1)
Ductile iron/ GGG disc, Rilsan coated
EPDM drinking water approved
Blue epoxy RAL 5017 200 µm up to DN400. Above PUR coating 250 µm
Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Flange drilling	Theoretical weight/kg
820-0025-10-541E0160002	25	PN16	PN16	1.5
820-0032-10-541E0160002	32	PN16	PN16	1.5
820-0040-10-541E0160002	40	PN16	PN16	1.9
820-0050-10-541E0160002	50	PN16	PN16	2.4
820-0065-10-541E0160002	65	PN16	PN16	4.8
820-0080-10-541E0160002	80	PN16	PN16	4.0
820-0100-10-541E0160002	100	PN16	PN16	6.2
820-0125-10-541E0160002	125	PN16	PN16	7.7
820-0150-10-541E0160002	150	PN16	PN16	8.4
820-0200-10-541E0160002	200	PN16	PN16	17
820-0250-10-541E0160002	250	PN16	PN16	24
820-0300-10-541E0160002	300	PN16	PN16	32

174/X-001

Handlever in aluminium

AVK ref. no.	DN/DN	Theoretical weight/kg
174XHLAK002	DN25 - DN40	0.3
174XHLAK004	DN50 - DN65	0.3
174XHLAK006	DN80	0.4
174XHLAK010	DN100	0.5
174XHLAK012	DN125 - DN150	0.8
174XHLAK014	DN200	0.8

Serie 820
Manual actuators
Aluminium gearboxes
DN25-400

AVK ref. no.	DN mm	Product PN Class
GB232-05.F05-F0708.100	25-40	PN16
GB232-05.F05-F0711.100	50-100	PN16
GB232-05.F05-F0714.100	125-150	PN16
GB232-06.F05-F0717.160	200	PN16
GB232-08.F07-F1022.250	250-300	PN16
GB232-13.F10-F1222.300	350	PN16
GB232-13.F10-F1227.400	400	PN16

Serie 820
Manual actuators
Cast iron (GG-25) gearboxes
DN450-1000

AVK ref. no.	DN mm	Product PN Class
GB1250N.F1445.400	450-500	PN10
GB2000N.F1670.500	600	PN10
GB2000NLB.F2570.600-SH100	700	PN10
GB1950N/PR4.F2570.500	800	PN10
GB1950NLB/PR4.F3080.500	900	PN10
GB6800N/PR4.F3080.500	1000	PN10

Serie 820
Pneumatic actuator
Double acting
DN25-700

AVK ref. no.	DN mm	Product PN Class
IA100D.F05-F0711(R08)	25-40	PN16
IA100D.F05-F0711	50-65	PN16
IA200D.F05-F0711	80-100	PN16
IA300D.F05-F07-F1014	125-150	PN16
IA350D.F07-F1017	200	PN16
IA350D.F07-F1022	250	PN10
IA400D.F07-F1022	300	PN10
IA500D.F10-F1222	350	PN10
IA550D.F10-F1227	400	PN10
IA650D.F1445	450-500	PN10
IA700D.F1665	600	PN10
IA750D.F16-F2570	700	PN10
IA800D.F16-F2570	800	PN10
AT-HD/0C085CD-P285+MB+CP	900	PN10
AT-HD/0C100CD-P385	1000	PN10

Serie 820
Solenoid valve 5/2 weys for pneumatic actuators
Double acting
DN25-1000

AVK ref. no.	DN mm	Product PN Class
VSNC-FC-M52-MD-G14-F824+2X PS14	25-250	PN10/16
311N04-496131-24+PB43650+1X PS12	300-1000	PN10/16

Serie 820
Switch box for pneumatic actuators
Double acting
DN25-1000

AVK ref. no.	DN mm	Product PN Class
ES2.P01H	25-1000	PN10/16

AUMA PROFOX PFQ

Quarter turn Electric actuator

Design features

- Open-close or modulating duty
- Torque range between 32 Nm to 600 Nm
- Handwheel for manual operation
- Wide range power supply unit
- Variable speed assuring premium control accuracy
- Mechanical position indication

Ambient conditions

- Large temperature range between –30°C and +70°C
- Premium enclosure protection IP67 or IP68
- High grade corrosion protection up to C5-M/C5-I
- Robust metal housing

Please consult with AVK for exact actuator specifications

AVK ref. no.	Model	DN	PN
		mm	
	PF-Q80	25-40	10/16
	PF-Q80	50	10/16
	PF-Q80	65	10/16
	PF-Q80	80	10/16
	PF-Q80	100	10/16
	PF-Q150	125	10/16
	PF-Q150	150	10/16
	PF-Q300	200	10/16
	PF-Q300	250	10/16
	PF-Q600	300	10/16

AUMA actuators SQ

Design features

- Torque range from 50 Nm to 2,400 Nm
- Operating time ranges for 90° from 4 s to 100 s
- Limit and torque seating
- 3-ph AC and 1-ph AC motors
- Handwheel for manual operation
- Mechanical position indicator

Ambient conditions

- High enclosure protection
- High quality corrosion protection
- Wide ambient temperature ranges

Please consult with AVK for exact actuator specifications

AVK ref. no.	Model	DN	PN
		mm	
	SQ05.2	25-40	PN10/16
	SQ05.2	50-80	PN10/16
	SQ05.2	100	PN10/16
	SQ05.2	125-150	PN10/16
	SQ05.2	200	PN10
	SQ07.2	200	PN16
	SQ10.2	250	PN10/16
	SQ10.2	300	PN10/16
	SQ12.2	350	PN10/16

BERNARD AQ-AQL electric actuators

Torque range:

• 15 to 10,000 Nm

Type of controles:

• Electromechanical SWITCH
• Positioner, 4-20mA
• Smart LOGIC (v2)
• BC DUTY & MODULATING

Classification:

• On-Off: Class A

Inching / Positioning:

• Class B
• Modulating : Class III

Environment:

IP 68 / C4 / T: -20°C - +60°C
Voltage 230V 50Hz

Please consult with AVK for exact actuator specifications

AVK ref. no.	Model	DN	PN
		mm	
	AQ3L	25-40	PN10
	AQ3L	50	PN10
	AQ7L	65	PN10
	AQ7L	80	PN10
	AQ7L	100	PN10
	AQ15	125-150	PN10
	AQ15	200	PN10
	AQ25	250	PN10
	AQ50	300	PN10
	AQ80	350	PN10
	AQ3L	25-40	PN16
	AQ3L	50	PN16
	AQ7L	65	PN16
	AQ7L	80	PN16
	AQ7L	100	PN16
	AQ15	125-150	PN16
	AQ25	200	PN16
	AQ30	250	PN16
	AQ50	300	PN16
	AQ80	350	PN16

BERNARD AQ-AQL electric actuators

Torque range:

• 15 to 10,000 Nm

Type of controles:

• Electromechanical SWITCH
• Positioner, 4-20mA
• Smart LOGIC (v2)
• BC DUTY & MODULATING

Classification:

On-Off: Class A

Inching / Positioning:

• Class B

Modulating:

Class III

Environment:

IP 68 / C4 / T: -20°C - +60°C
Voltage 400V 50Hz

Please consult with AVK for exact actuator specifications

AVK ref. no.	Model	DN	PN
		mm	
	AQ5	25-40	PN10
	AQ5	50	PN10
	AQ5	65	PN10
	AQ10	80	PN10
	AQ10	100	PN10
	AQ15	125-150	PN10
	AQ15	200	PN10
	AQ25	250	PN10
	AQ50	300	PN10
	AQ80	350	PN10
	AQ5	25-40	PN16
	AQ5	50	PN16
	AQ5	65	PN16
	AQ10	80	PN16
	AQ10	100	PN16
	AQ15	125-150	PN16
	AQ25	200	PN16
	AQ30	250	PN16
	AQ50	300	PN16
	AQ80	350	PN16

SWING CHECK VALVES

AVK offers swing check valves in DN 50-600 with lever and weight, lever and spring and with closed bushings. A guard covering the lever and weight is available as an extra safety and is available with limit switches for remote monitoring.

Main features:

- Can be installed in both horizontal and vertical positions
- Easy access to maintenance by unscrewing the bonnet bolts and removing the bonnet assembly including hinge and disc
- Disc with steel insert is fully vulcanized with EPDM rubber (up to DN 300) ensuring optimum sealing ability
- Light-weight disc requires a minimum of force to open and close the valve, and the disc can move slightly both horisontally and vertically and thus close completely tight
- Hinge tightened around the shaft with bolts to eliminate play and thus ensure durabilit
- Full bore ensures low head loss

41/60-001

Swing check valve with free shaft end, prepared for limit switch
Resilient seated
Face-to-face dimension according to EN 558 Table 2 Basic Series 48
Ductile Iron
EPDM rubber wedge, WRAS appr.
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
41-080-60-0180041	80	PN10/16	16
41-100-60-0180041	100	PN10/16	22
41-125-60-0180041	125	PN10/16	36
41-150-60-0180041	150	PN10/16	41
41-200-60-0080041	200	PN10	63
41-200-60-0180041	200	PN16	63
41-250-60-0080041	250	PN10	185
41-250-60-0180041	250	PN16	185
41-300-A0-0080041	300	PN10	200
41-300-A0-0180041	300	PN16	200

41/60-003

Swing check valve with free shaft end
Resilient seated
Face-to-face dimension according to EN 558 Table 2 Basic Series 48
Ductile Iron
EPDM rubber wedge, WRAS appr.
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
41-050-60-018	50	PN10/16	13
41-065-60-018	65	PN10/16	16
41-080-60-018	80	PN10/16	20
41-100-60-018	100	PN10/16	21
41-125-60-018	125	PN10/16	36
41-150-60-018	150	PN10/16	51
41-200-60-008	200	PN10	83
41-200-60-018	200	PN16	83
41-250-60-008	250	PN10	183
41-250-60-018	250	PN16	183
41-300-60-008	300	PN10	231
41-300-60-018	300	PN16	231

41/61-003

Swing check valve **with closed bushings**
Resilient seated
Face-to-face dimension according to EN 558 Table 2 Basic Series 48
Ductile Iron
EPDM rubber wedge, WRAS appr.
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
41-050-61-018	50	PN10/16	12
41-065-61-018	65	PN10/16	15
41-080-61-018	80	PN10/16	17
41-100-61-018	100	PN10/16	21
41-125-61-018	125	PN10/16	40
41-150-61-018	150	PN10/16	42
41-200-61-008	200	PN10	67
41-200-61-018	200	PN16	67
41-250-61-008	250	PN10	183
41-250-61-018	250	PN16	186
41-300-61-008	300	PN10	197
41-300-61-018	300	PN16	196

41/35-001

Swing check valve **with closed bushings**
Metal seated
Face-to-face dimension according to EN 558 Table 2 Basic Series 48
Ductile Iron
EPDM rubber wedge, WRAS appr.
Blue epoxy RAL 5017 250 µm

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
41-350-35-00800	350	PN10	312
41-350-35-01800	350	PN16	312
41-400-35-00800	400	PN10	370
41-400-35-01800	400	PN16	370
41-450-35-00800	450	PN10	538
41-450-35-01800	450	PN16	538
41-500-35-00800	500	PN10	745
41-500-35-01800	500	PN16	745
41-600-35-00800	600	PN10	951
41-600-35-01800	600	PN16	951

41/36-001

Swing check valve with lever and weight
Metal seated
Face-to-face dimension according to EN 558 Table 2 Basic Series 48
Ductile Iron
EPDM rubber
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
41-350-36-00800	350	PN10	307
41-350-36-01800	350	PN16	307
41-400-36-00800	400	PN10	447
41-400-36-01800	400	PN16	447
41-450-36-00800	450	PN10	575
41-450-36-01800	450	PN16	583
41-500-36-00800	500	PN10	750
41-500-36-01800	500	PN16	750
41-600-36-00800	600	PN10	1006
41-600-36-01800	600	PN16	1006

41/36-009

Swing check valve with lever and weight
Metal seated
Face-to-face dimension according to EN 558 Table 2 Basic Series 10
Ductile Iron
EPDM rubber wedge, WRAS appr.
Blue epoxy RAL 5017 250 µm

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
41-050-36-01800	50	PN10/16	13
41-080-36-01800	80	PN10/16	19
41-100-36-01800	100	PN10/16	22
41-150-36-01800	150	PN10/16	41
41-200-36-00800	200	PN10	74
41-200-36-01800	200	PN16	64
41-250-36-00800	250	PN10	145
41-250-36-01800	250	PN16	145
41-300-36-00800	300	PN10	195
41-300-36-01800	300	PN16	195

41/D-001

Swing check valve lever and weight kit
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN/DN	Theoretical weight/kg
41-080-23-000	50 - 80	2.8
41-100-23-000	100 - 100	2.9
41-150-23-000	125 - 150	5.6
41-200-23-000	200 - 200	5.7
41-300-23-000	250 - 300	13

41/32-001

Swing check valve spring kit
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN/DN	Theoretical weight/kg
41-050-32-000	50 - 50	2.0
41-065-32-000	65 - 65	2.0
41-080-32-000	80 - 80	3.0
41-100-32-000	100 - 100	3.4
41-125-32-000	125 - 125	3.4
41-150-32-000	150 - 150	3.4
41-200-32-000	200 - 200	3.4
41-300-32-000	250 - 300	3.4

41/I-002

Swing check valve guard kit
ABS plastic

AVK ref. no.	DN/DN	Theoretical weight/kg
41-080-50-009	50 - 80	2.0
41-100-50-009	100 - 100	2.2
41-150-50-009	125 - 150	5.0
41-200-50-009	200 - 200	7.0
41-300-50-009	250 - 300	10

41-G/PARTS-001

Top for check valve series 41/60
EPDM rubber
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Theoretical weight/kg
41-050-02-28200	50	2.6
41-080-02-28200	80	2.9
41-100-02-28200	100	3.8
41-150-02-28200	150	8.6
41-200-02-28200	200	13
41-250-02-28200	250	47

41-G/PARTS-002

Top for check valve series 41/61
EPDM rubber
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Theoretical weight/kg
41-050-02-27000	50	2.5
41-080-02-27000	80	2.6
41-100-02-27000	100	3.6
41-150-02-27000	150	7.6
41-200-02-27000	200	12
41-300-02-27000	300	48

641/01-006

Single door swing check valve with lever and weight
Ductile Iron
EPDM rubber
Blue epoxy RAL 5017 250 µm

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
641-0700-01-040000	700	PN10	1608
641-0700-01-140000	700	PN16	1608
641-0800-01-040000	800	PN10	1960
641-0800-01-140000	800	PN16	1960
641-0900-01-040000	900	PN10	1967
641-0900-01-140000	900	PN16	1967
641-1000-01-040000	1000	PN10	3902
641-1000-01-140000	1000	PN16	3902

641/01-007

Single door swing check valve with free shaft left side with cover
Ductile Iron
EPDM rubber
Blue epoxy RAL 5017 250 µm

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
641-0700-01-120000	700	PN16	1571
641-0800-01-120000	800	PN16	1893
641-0900-01-120000	900	PN16	1929
641-1000-01-120000	1000	PN16	3836

874/00-001

Tilting disc soft seat check valve with lever and weight

Face-to-face dimension according EN 558 - Series 14

Ductile Iron

EPDM rubber

Epoxy coating

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
874-0150-00-14100000	150	PN16	41
874-0200-00-04100000	200	PN10	67
874-0200-00-14100000	200	PN16	67
874-0250-00-04100000	250	PN10	85
874-0250-00-14100000	250	PN16	85
874-0300-00-04100000	300	PN10	120
874-0300-00-14100000	300	PN16	125
874-0350-00-04100000	350	PN10	140
874-0350-00-14100000	350	PN16	195
874-0400-00-04100000	400	PN10	145
874-0400-00-14100000	400	PN16	225
874-0450-00-04100000	450	PN10	185
874-0450-00-14100000	450	PN16	265
874-0500-00-04100000	500	PN10	200
874-0500-00-14100000	500	PN16	297
874-0600-00-04100000	600	PN10	500
874-0600-00-14100000	600	PN16	624
874-0700-00-04100000	700	PN10	630
874-0700-00-14100000	700	PN16	750
874-0800-00-04100000	800	PN10	750
874-0800-00-14100000	800	PN16	820
874-0900-00-04100000	900	PN10	1030
874-0900-00-14100000	900	PN16	1320
874-1000-00-04100000	1000	PN10	1600
874-1000-00-14100000	1000	PN16	2000
874-1200-00-04100000	1200	PN10	2980
874-1200-00-14100000	1200	PN16	3740
874-1400-00-04100000	1400	PN10	3500
874-1400-00-14100000	1400	PN16	4580
874-1600-00-04100000	1600	PN10	4000
874-1600-00-14100000	1600	PN16	5470

875/00-001

Tilting disc, slanted metal seat check valve

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

AVK coating standard

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
875-0200-00-03100000	200	PN10	40
875-0200-00-13100000	200	PN16	40
875-0250-00-03100000	250	PN10	65
875-0250-00-13100000	250	PN16	65
875-0300-00-03100000	300	PN10	83
875-0300-00-13100000	300	PN16	83
875-0350-00-03100000	350	PN10	118
875-0350-00-13100000	350	PN16	118
875-0400-00-03100000	400	PN10	145
875-0400-00-13100000	400	PN16	145
875-0450-00-03100000	450	PN10	190
875-0450-00-13100000	450	PN16	210
875-0500-00-03100000	500	PN10	220
875-0500-00-13100000	500	PN16	250
875-0600-00-03100000	600	PN10	315
875-0600-00-13100000	600	PN16	365
875-0700-00-03100000	700	PN10	420
875-0700-00-13100000	700	PN16	470
875-0800-00-03100000	800	PN10	640
875-0800-00-13100000	800	PN16	750
875-0900-00-03100000	900	PN10	910
875-0900-00-13100000	900	PN16	980
875-1000-00-03100000	1000	PN10	1150
875-1000-00-13100000	1000	PN16	1250

AIR VALVES FOR WATER

Good performance, minimum maintenance and long durability are the characteristics of AVK's wide range of automatic air valves, air and vacuum valves, and combination air valves.

The air valves are available in composite materials, which combine strength with extremely light weight.

- Automatic air valves continuously release relatively small volumes of air from a pressurised line.
- Air and vacuum valves discharge large volumes of air from non-pressurised pipelines and are mainly used when filling a line. Air and vacuum valves make it possible to admit large volumes of air when lines are drained and when the pressure suddenly drops.
- Combination air valves combine the function of automatic air valves and air and vacuum valves.

701/10-001
Automatic air valve
BSP thread
Reinforced polyamide

AVK ref. no.	DN mm	Connection	Product PN Class	Theoretical weight/kg
701-020-10-99003	12	1/2" BSP	PN16	0.3
701-020-11-99003 (1)	12	1/2" BSP	PN16	0.7
701-025-10-99003	19	3/4" BSP	PN16	0.3
701-025-11-99003 (1)	19	3/4" BSP	PN16	0.7
701-032-10-99003	25	1" BSP	PN16	0.3
701-032-11-99003 (1)	25	1" BSP	PN16	0.7

(1) Brass base

701/20-010
Automatic air valve
BSP thread
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	Connection	Product PN Class	Theoretical weight/kg
701-020-20-91003	1/2" BSP	PN16	3.5
701-025-20-91003	3/4" BSP	PN16	3.5
701-032-20-91003	1" BSP	PN16	3.5

701/30-010
Air & vacuum valve
Inlet flange
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Connection	Flange drilling	Theoretical weight/kg
701-050-30-11003	50	50 MM	PN10/16	6.1
701-051-30-91003	50	2" BSP		4.0
701-080-30-11003	80	80 MM	PN10/16	13
701-081-30-91003	80	3" BSP		9.6
701-150-30-11003	150	150MM	PN10/16	43

701/30-020

Air & vacuum valve
Inlet flange
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
701-100-30-11003	100	PN10/16	27
701-200-30-01003	200	PN10	116
701-200-30-11003	200	PN16	116

701/40-010

Combination air valve
BSP thread
Reinforced polyamide

AVK ref. no.	DN mm	Connection	Product PN Class	Theoretical weight/kg
701-012-40-99003	12	1/2" BSP	PN16	0.5
701-020-40-99003	20	3/4" BSP	PN16	0.3
701-025-40-99003	25	1" BSP	PN16	0.3
701-050-40-99003	50	2" BSP	PN16	1.0
701-050-41-99003 (1)	50	2" BSP	PN16	2.0

(1) Brass base

970

Non-return valve for serie 701/40
DN20-50

AVK ref. no.	DN mm
970-7700200001	20-25
970-0600200001	50

701/50-003

Combination air valve
BSP thread/inlet flange
Ductile iron / reinforced polyamide
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Connection	Flange drilling	Theoretical weight/kg
701-050-50-11003	50	50 MM	PN10/16	6.4
701-051-50-91003	50	2" BSP		4.3
701-080-50-11003	80	80 MM	PN10/16	13

701/50-020

Combination air valve
Inlet flange
Ductile iron / reinforced polyamide
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
701-100-50-11003	100	PN10/16	26
701-150-50-11003	150	PN10/16	43
701-200-50-01003	200	PN10	117
701-200-50-11003	200	PN16	117

701/60-010

Combination air valve
BSP/inlet flange
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
701-050-60-11003	50	PN16	7.8
701-080-60-11003	80	PN16	14
701-081-60-91003	80	PN16	12
701-150-60-11003	150	PN16	45

701/60-020

Combination air valve
BSP/inlet flange
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
701-100-60-11003	100	PN16	27
701-200-60-01003	200	PN10	118
701-200-60-11003	200	PN16	118
701-250-60-01003	250	PN10	151
701-250-60-11003	250	PN16	151
701-300-60-01003	300	PN10	163
701-300-60-11003	300	PN16	163

701/84-002

Underground combination air valve
PVC

AVK ref. no.	DN mm	Connection	H3 mm	Theoretical weight/kg
701-050-84-01002	50	2" BSP	500	7.0
701-050-84-02002	50	2" BSP	755	8.5
701-050-84-03002	50	2" BSP	1055	9.8
701-050-84-04002	50	2" BSP	1305	11
701-050-84-06002	50	2" BSP	1830	14
701-050-84-07002	50	2" BSP	2135	15
701-050-84-08002	50	2" BSP	2440	16
701-050-84-11002	50	50 MM	500	7.0
701-050-84-13002	50	50 MM	1055	9.8
701-050-84-14002	50	50 MM	1305	11
701-050-84-15002	50	50 MM	1555	12
701-050-84-16002	50	50 MM	1830	14
701-050-84-17002	50	50 MM	2135	15
701-050-84-18002	50	50 MM	2440	16
701-080-84-21002	80	80 MM	500	7.0
701-080-84-22002	80	80 MM	755	8.5
701-080-84-23002	80	80 MM	1055	9.8
701-080-84-24002	80	80 MM	1355	11
701-080-84-25002	80	80 MM	1555	12
701-080-84-26002	80	80 MM	1830	14
701-080-84-27002	80	80 MM	2135	15
701-080-84-28002	80	80 MM	2440	16
701-100-84-31002	100	100 MM	500	7.0
701-100-84-32002	100	100 MM	755	8.5
701-100-84-33002	100	100 MM	1055	9.8
701-100-84-34002	100	100 MM	1355	11
701-100-84-35002	100	100 MM	1555	12
701-100-84-36002	100	100 MM	1830	14
701-100-84-37002	100	100 MM	2135	15

851/41-005

Air relief valve
ABS float & float guide
EPDM rubber
Ductile Iron
EPDM rubber
Blue epoxy RAL 5017 300 µm

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
851-050-41-122000	50	PN10/16	16
851-080-41-122000	80	PN10/16	17
851-100-41-122000	100	PN10/16	23
851-150-41-122000	150	PN10/16	36
851-200-41-122000	200	PN16	40

851/45-001

Air relief valve
Stainless steel AISI 316 float
Ductile Iron
EPDM rubber
Blue epoxy RAL 5017 300 µm

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
851-050-45-122000	50	PN10/16	16
851-080-45-122000	80	PN10/16	17
851-100-45-122000	100	PN10/16	23
851-150-45-122000	150	PN10/16	36
851-200-45-122000	200	PN16	40

CONTROL VALVES

Control valves can help reduce water losses and contribute to efficient water supply management by maintaining a certain pressure, flow or level, regardless of changes in the supply network.

AVK diaphragm operated control valves are designed according to EN 1074-5 and to provide network stability, accurate regulation, easy maintenance and long durability.

Main features:

- All non-coated metal parts of stainless steel AISI 316 as standard
- GSK approved epoxy coating and AVK's own rubber compounds
- Modular pilot system enables easy fitting to other applications without replacing the valve
- Adjustment of regulating speed for full control
- AVK design and manufacture with 100% pressure test and 10-year warranty

Installing a control valve at the inlet to a district or zone can help achieve a very efficient control of the pressure based on time or flow.

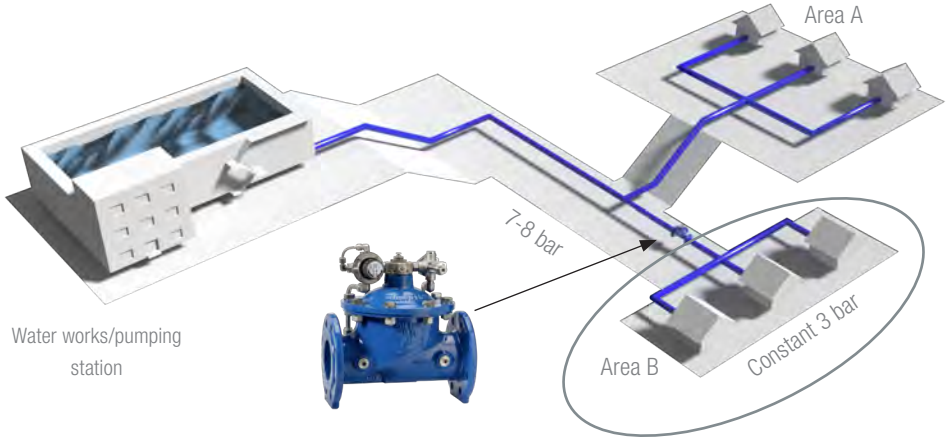
Read more about pressure management and our solutions on www.avkvalves.lv

859/000X-001

Pressure reducing control valve (PRV) with reduced bore
All non-coated internals and externals made of stainless steel AISI316
Face-to-face dimension according to EN 558 Table 2 Basic Series 1
Ductile Iron
EPDM rubber
Blue epoxy RAL 5017 300 µm

AVK ref. no.	DN mm	Flange drilling	Pilot range bar	Theoretical weight/kg
859-0065-00-1140000	65	PN10/16	0.6 - 6	17
859-0065-00-1140001	65	PN10/16	5 - 11	17
859-0065-00-1140002	65	PN10/16	10 - 16	17
859-0065-00-1140003	65	PN10/16	0.1 - 1	17
859-0080-00-1140000	80	PN10/16	0.6 - 6	21
859-0080-00-1140001	80	PN10/16	5 - 11	21
859-0080-00-1140002	80	PN10/16	10 - 16	21
859-0080-00-1140003	80	PN10/16	0.1 - 1	21
859-0100-00-1140000	100	PN10/16	0.6 - 6	26
859-0100-00-1140001	100	PN10/16	5 - 11	26
859-0100-00-1140002	100	PN10/16	10 - 16	26
859-0100-00-1140003	100	PN10/16	0.1 - 1	26
859-0125-00-1140000	125	PN10/16	0.6 - 6	31
859-0125-00-1140001	125	PN10/16	5 - 11	31
859-0125-00-1140002	125	PN10/16	10 - 16	31
859-0125-00-1140003	125	PN10/16	0.1 - 1	31
859-0150-00-1140000	150	PN10/16	0.6 - 6	73
859-0150-00-1140001	150	PN10/16	5 - 11	73
859-0150-00-1140002	150	PN10/16	10 - 16	73
859-0150-00-1140003	150	PN10/16	0.1 - 1	73
859-0200-00-0140000	200	PN10	0.6 - 6	87
859-0200-00-0140001	200	PN10	5 - 10	87
859-0200-00-0140003	200	PN10	0.1 - 1	87
859-0200-00-1140000	200	PN16	0.6 - 6	87
859-0200-00-1140001	200	PN16	5 - 11	87
859-0200-00-1140002	200	PN16	10 - 16	87
859-0200-00-1140003	200	PN16	0.1 - 1	87
859-0250-00-0140000	250	PN10	0.6 - 6	144
859-0250-00-0140001	250	PN10	5 - 10	144
859-0250-00-0140003	250	PN10	0.1 - 1	144
859-0250-00-1140000	250	PN16	0.6 - 6	144
859-0250-00-1140001	250	PN16	5 - 11	144
859-0250-00-1140002	250	PN16	10 - 16	144
859-0250-00-1140003	250	PN16	0.1 - 1	144

AVK ref. no.	DN mm	Flange drilling	Pilot range bar	Theoretical weight/kg
859-0300-00-0140000	300	PN10	0.6 - 6	203
859-0300-00-0140001	300	PN10	5 - 10	203
859-0300-00-0140003	300	PN10	0.1 - 1	203
859-0300-00-1140000	300	PN16	0.6 - 6	203
859-0300-00-1140001	300	PN16	5 - 11	203
859-0300-00-1140002	300	PN16	10 - 16	203
859-0300-00-1140003	300	PN16	0.1 - 1	203
859-0350-00-0140000	350	PN10	0.6 - 6	320
859-0350-00-0140001	350	PN10	5 - 10	320
859-0350-00-0140003	350	PN10	0.1 - 1	320
859-0350-00-1140000	350	PN16	0.6 - 6	320
859-0350-00-1140001	350	PN16	5 - 10	320
859-0350-00-1140002	350	PN16	10 - 16	320
859-0350-00-1140003	350	PN16	0.1 - 1	320
859-0400-00-0140000	400	PN10	0.6 - 6	498
859-0400-00-0140001	400	PN10	5 - 10	498
859-0400-00-0140003	400	PN10	0.1 - 1	498
859-0400-00-1140000	400	PN16	0.6 - 6	498
859-0400-00-1140001	400	PN16	5 - 10	498
859-0400-00-1140002	400	PN16	10 - 16	498
859-0400-00-1140003	400	PN16	0.1 - 1	498
859-0450-00-0140000	450	PN10	0.6 - 6	636
859-0450-00-0140001	450	PN10	5 - 10	636
859-0450-00-0140003	450	PN10	0.1 - 1	636
859-0450-00-1140001	450	PN16	5 - 10	636
859-0450-00-1140002	450	PN16	10 - 16	636
859-0450-00-1140003	450	PN16	0.1 - 1	636
859-0500-00-0140000	500	PN10	0.6 - 6	938
859-0500-00-0140001	500	PN10	5 - 10	938
859-0500-00-0140003	500	PN10	0.1 - 1	938
859-0500-00-1140000	500	PN16	0.6 - 6	938
859-0500-00-1140001	500	PN16	5 - 10	938
859-0500-00-1140002	500	PN16	10 - 16	938
859-0500-00-1140003	500	PN16	0.1 - 1	938
859-0600-00-0140000	600	PN10	0.6 - 6	1282
859-0600-00-0140001	600	PN10	5 - 10	1282
859-0600-00-0140003	600	PN10	0.1 - 1	1282
859-0600-00-1140000	600	PN16	0.6 - 6	1282
859-0600-00-1140001	600	PN16	5 - 10	1282
859-0600-00-1140002	600	PN16	10 - 16	1282
859-0600-00-1140003	600	PN16	0.1 - 1	1282



Example: The pressure is 7-8 bar, which is appropriate to supply the consumers in area A but too high for the consumers in area B. Therefore, a pressure reducing control valve is installed to reduce the pressure to 3 bar in area B.

859/001X-001

Pressure sustaining/relief control valve (PSV), reduced bore

All non-coated internals and externals made of stainless steel AISI316

Face-to-face dimension according to EN 558 Table 2 Basic Series 1

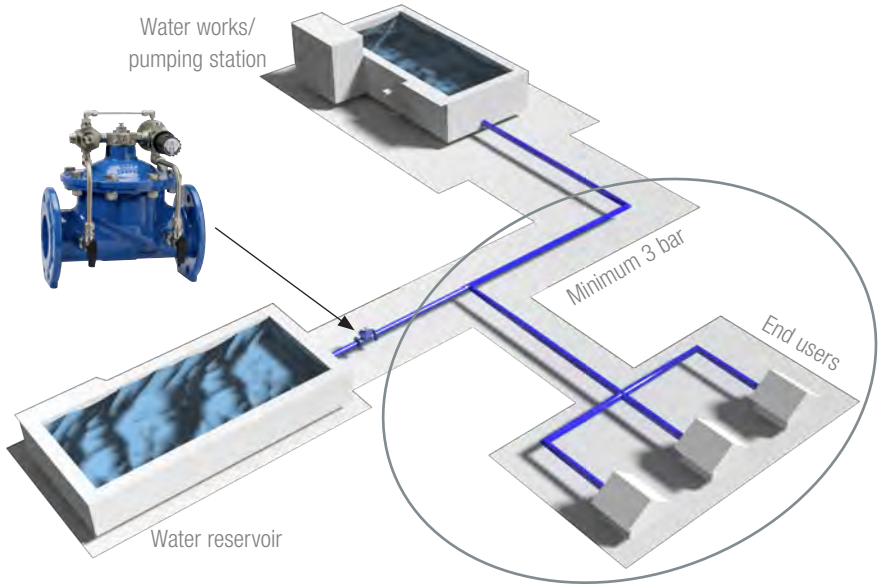
Ductile Iron

EPDM rubber

Blue epoxy RAL 5017 300 µm

AVK ref. no.	DN mm	Flange drilling	Pilot range bar	Theoretical weight/kg
859-0065-00-1140010	65	PN10/16	1,5 - 6	17
859-0065-00-1140011	65	PN10/16	5 - 11	17
859-0065-00-1140012	65	PN10/16	10 - 16	17
859-0065-00-1140018	65	PN10/16	0,3 - 1,5	17
859-0080-00-1140010	80	PN10/16	1,5 - 6	21
859-0080-00-1140011	80	PN10/16	5 - 11	21
859-0080-00-1140012	80	PN10/16	10 - 16	21
859-0080-00-1140018	80	PN10/16	0,3 - 1,5	21
859-0100-00-1140010	100	PN10/16	1,5 - 6	26
859-0100-00-1140011	100	PN10/16	5 - 11	26
859-0100-00-1140012	100	PN10/16	10 - 16	26
859-0100-00-1140018	100	PN10/16	0,3 - 1,5	26
859-0125-00-1140010	125	PN10/16	1,5 - 6	31
859-0125-00-1140011	125	PN10/16	5 - 11	31
859-0125-00-1140012	125	PN10/16	10 - 16	31
859-0125-00-1140018	125	PN10/16	0,3 - 1,5	31
859-0150-00-1140010	150	PN10/16	1,5 - 6	73
859-0150-00-1140011	150	PN10/16	5 - 11	73
859-0150-00-1140012	150	PN10/16	10 - 16	73
859-0150-00-1140018	150	PN10/16	0,3 - 1,5	73
859-0200-00-0140010	200	PN10	1,5 - 6	87
859-0200-00-0140011	200	PN10	5 - 10	87
859-0200-00-0140018	200	PN10	0,3 - 1,5	87
859-0200-00-1140010	200	PN16	1,5 - 6	87
859-0200-00-1140011	200	PN16	5 - 11	87
859-0200-00-1140012	200	PN16	10 - 16	87
859-0200-00-1140018	200	PN16	0,3 - 1,5	87
859-0250-00-0140010	250	PN10	1,5 - 6	144
859-0250-00-0140011	250	PN10	5 - 10	144
859-0250-00-0140018	250	PN10	0,3 - 1,5	144
859-0250-00-1140010	250	PN16	1,5 - 6	144
859-0250-00-1140011	250	PN16	5 - 11	144
859-0250-00-1140012	250	PN16	10 - 16	144
859-0250-00-1140018	250	PN16	0,3 - 1,5	144
859-0300-00-0140010	300	PN10	1,5 - 6	203
859-0300-00-0140011	300	PN10	5 - 10	203
859-0300-00-0140018	300	PN10	0,3 - 1,5	203
859-0300-00-1140010	300	PN16	1,5 - 6	203
859-0300-00-1140011	300	PN16	5 - 11	203
859-0300-00-1140012	300	PN16	10 - 16	203
859-0300-00-1140018	300	PN16	0,3 - 1,5	203
859-0350-00-0140010	350	PN10	1.5 - 6	320
859-0350-00-0140011	350	PN10	5 - 10	320
859-0350-00-0140018	350	PN10	0.3 - 1.5	320
859-0350-00-1140010	350	PN16	0.5 - 6	320
859-0350-00-1140011	350	PN16	5 - 10	320
859-0350-00-1140012	350	PN16	10 - 16	320
859-0350-00-1140018	350	PN16	0.3 - 1.5	320
859-0400-00-0140010	400	PN10	1.5 - 6	498
859-0400-00-0140011	400	PN10	5 - 10	498
859-0400-00-0140018	400	PN10	0.3 - 1.5	498
859-0400-00-1140010	400	PN16	1.5 - 6	498
859-0400-00-1140011	400	PN16	5 - 10	498
859-0400-00-1140012	400	PN16	10 - 16	498
859-0400-00-1140018	400	PN16	0.3 - 1.5	498
859-0450-00-0140010	450	PN10	1.5 - 6	636
859-0450-00-0140011	450	PN10	5 - 10	636
859-0450-00-0140018	450	PN10	0.3 - 1.5	636
859-0450-00-1140010	450	PN16	1.5 - 6	636
859-0450-00-1140011	450	PN16	5 - 10	636
859-0450-00-1140012	450	PN16	10 - 16	636
859-0450-00-1140018	450	PN16	0.3 - 1.5	636
859-0500-00-0140010	500	PN10	1.5 - 6	938
859-0500-00-0140011	500	PN10	5 - 10	938
859-0500-00-0140018	500	PN10	0.3 - 1.5	938
859-0500-00-1140010	500	PN16	1.5 - 6	938

AVK ref. no.	DN mm	Flange drilling	Pilot range bar	Theoretical weight/kg
859-0500-00-1140011	500	PN16	5 - 10	938
859-0500-00-1140012	500	PN16	10 - 16	938
859-0500-00-1140018	500	PN16	0.3 - 1.5	938
859-0600-00-0140010	600	PN10	1.5 - 6	1282
859-0600-00-0140011	600	PN10	5 - 10	1282
859-0600-00-0140018	600	PN10	0.3 - 1.5	1282
859-0600-00-1140010	600	PN16	1.5 - 6	1282
859-0600-00-1140011	600	PN16	5 - 10	1282
859-0600-00-1140012	600	PN16	10 - 16	1282
859-0600-00-1140018	600	PN16	0.3 - 1.5	1282



Example: When the water reservoir fills, the pressure drops, leaving the consumers without water. Therefore, a pressure sustaining control valve is installed to maintain the pressure for the consumers.

96/628-001
Manometer for control valves
Stainless steel

AVK ref. no.	
96-628-00017	(1)
96-628-00018	(2)
96-628-00019	(3)
96-628-00020	(4)
96-628-00021	(5)
96-628-00022	(6)

(1) 0-10 bar, Glycerin filled, 1/4" back connection
(2) 0-4 bar, Glycerin filled, 1/4" back connection
(3) 0-16 bar, Glycerin filled, 1/4" down connection
(4) 0-10 bar, Glycerin filled, 1/4" down connection
(5) 0-4 bar, Glycerin filled, 1/4" down connection
(6) 0-16 bar, Glycerin filled, 1/4" back connection

872/00-004

Needle valve, gearbox for modulating duty
(DN 80, 100 and 150 in cast stainless steel 1.4308 / CF8)

Face-to-face dimension according to EN 558 Table 2 Basic Series 15

Ductile Iron

Epoxy coating

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
872-0080-00-10900300100 (1)	80	PN10/16	31
872-0100-00-10900300100	100	PN10/16	39
872-0150-00-10900300100	150	PN10/16	69
872-0200-00-00100300000	200	PN10	102
872-0200-00-10100300000	200	PN16	102
872-0250-00-00100300000	250	PN10	160
872-0250-00-10100300000	250	PN16	160
872-0300-00-00100300000	300	PN10	225
872-0300-00-10100300000	300	PN16	245
872-0350-00-00100300000	350	PN10	270
872-0350-00-10100300000	350	PN16	305
872-0400-00-00100300000	400	PN10	353
872-0400-00-10100300000	400	PN16	380
872-0450-00-00100300000	450	PN10	431
872-0450-00-10100300000	450	PN16	465
872-0500-00-00100300000	500	PN10	521
872-0500-00-10100300000	500	PN16	554
872-0600-00-00100300000	600	PN10	775
872-0600-00-10100300000	600	PN16	840
872-0700-00-00100300000	700	PN10	1080
872-0700-00-10100300000	700	PN16	1145
872-0800-00-00100300000	800	PN10	1564
872-0800-00-10100300000	800	PN16	1645
872-0900-00-00100300000	900	PN10	2070
872-0900-00-10100300000	900	PN16	2115
872-1000-00-00100300000	1000	PN10	2554
872-1000-00-10100300000	1000	PN16	2690
872-1200-00-00100300000	1200	PN10	3840
872-1200-00-10100300000	1200	PN16	3945
872-1400-00-00100300000	1400	PN10	5267
872-1400-00-10100300000	1400	PN16	8710
872-1600-00-00100300000	1600	PN10	8158
872-1600-00-10100300000	1600	PN16	8321

(1) Face to face according to EN 558, series 48

854/00-001

Balanced equilibrium ball float valve
Ductile iron
Blue epoxy RAL 5017 250 µm

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
854-050-00-1001	50	PN16	16
854-080-00-1001	80	PN16	22
854-100-00-1001	100	PN16	33
854-150-00-1001	150	PN16	66
854-200-00-1001	200	PN16	118
854-250-00-1001	250	PN16	184
854-300-00-1001	300	PN16	260

910/21-001

Y-strainer with stainless steel screen
Face-to-face dimension according to EN 558 Table 2
Ductile Iron
EPDM high temperature
Blue epoxy RAL 5017 250 µm

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
910-0050-21-011020004	50	PN10/16	8.3
910-0065-21-011020004	65	PN10/16	11
910-0080-21-011020004	80	PN10/16	14
910-0100-21-011020004	100	PN10/16	18
910-0125-21-011020004	125	PN10/16	26
910-0150-21-011020004	150	PN10/16	35
910-0200-21-011020004	200	PN16	60
910-0200-21-311020004	200	PN10	60
910-0250-21-011020004	250	PN16	97
910-0250-21-311020004	250	PN10	97
910-0300-21-011020004	300	PN16	142
910-0300-21-311020004	300	PN10	142
910-0350-21-011020004	350	PN16	170
910-0350-21-311020004	350	PN10	170
910-0400-21-011020004	400	PN16	227
910-0400-21-311020004	400	PN10	227
910-0450-21-011020004	450	PN16	290
910-0450-21-311020004	450	PN10	290
910-0500-21-011020004	500	PN16	373
910-0500-21-311020004	500	PN10	373
910-0600-21-011020004	600	PN16	572
910-0600-21-311020004	600	PN10	572

910/21-011

Screen for Y-strainer
Mesh material:
Stainless steel

AVK ref. no.	DN mm
910-0050-13	50
910-0065-13	65
910-0080-13	80
910-0100-13	100
910-0125-13	125
910-0150-13	150
910-0200-13	200
910-0250-13	250
910-0300-13	300

DIGITAL MONITORING WITH IOT SENSORS

The AVK Smart Water concept consists of battery-operated wireless IoT sensors for data collection directly from the network. The complex data is turned into valuable insights when integrated into either the existing IT system or into AVK Smart Water's dedicated software platform.

Sensors on valves and hydrants
The IoT sensors are developed for AVK core products such as gate valves, fittings, and fire hydrants. When installed, the sensors will provide data directly from applications in the water distribution network and send the data to the preferred IT system.

By installing AVK Smart Water's sensors in the distribution network, utilities can achieve a transparent network that makes it possible to remotely monitor the network and diagnose problems, and prioritise and manage maintenance issues.

This digital monitoring solution makes it possible to save resources, reduce water loss, and optimise the general planning and operation activities in the network.

AVK Smart Water sensors include:
- VIDI Positioner for valves
- VIDI Cap for fire hydrants
- VIDI Open/close
- VIDI Flow, VIDI Pressure and VIDI Temperature
- VIDI Level

3004/002-001
VIDI Positioner
Position indicator for gate valves

Transmits the position information (open/close) of a gate valve via radio communicaion
CE-approved
RED-approved
Battery life: 10 Years
IP Class 68

AVK ref. no.		Communi-cation	Extension spindle type	Spanner size mm	Theoretical weight/kg
3004-002-003-000	(1)	LORA	FL	22	0.7
3004-002-004-000	(1)	LORA	FL	32	0.7
3004-002-005-000	(2)	LORA	T	22	0.2
3004-002-006-000	(2)	LORA	T	32	0.2
3004-002-011-000	(1)	NB-IOT	FL	22	0.7
3004-002-012-000	(1)	NB-IOT	FL	32	0.7
3004-002-013-000	(2)	NB-IOT	T	22	0.2
3004-002-014-000	(2)	NB-IOT	T	32	0.2

(1) FL: Fixed Length
(2) T: Telescopic

3002/002-001
VIDI Cap for storz B
Smart hydrant cap

Transmits position information (open or closed) via radio communication
CE-approved
RED-approved
Battery life: 10 years
IP Class 68

AVK ref. no.	Communi-cation	Key	Theoretical weight/kg
3002-002-003-000	LORA	TRIANGLE	0.9
3002-002-004-000	LORA	OVAL	0.9
3002-002-008-000	NB-IOT	TRIANGLE	0.9
3002-002-009-000	NB-IOT	OVAL	0.9

3001/004-001
VIDI Level sensor
For measuring distance to nearest surface

Transmits level data via radio communication
CE-approved
RED-approved
Battery life: 10 years
IP Class 68

AVK ref. no.	Communi-cation	Wire	Theoretical weight/kg
3001-004-001-000-00	LORA	1 M	0.3
3001-004-002-000-00	LORA	3 M	0.3
3001-004-005-00000	NB-IOT	5 M	0.3
3001-004-006-00000	LORA	5 M	0.3

3001/001-001
VIDI Pressure
For measuring water pressure

Transmits pressure data via radio communication
CE-approved
RED-approved
Battery life: 10 years
IP Class 68

AVK ref. no.	Communi-cation	Wire	Theoretical weight/kg
3001-001-001-000	LORA	1 M	0.2
3001-001-002-000	LORA	5 M	0.2
3001-001-003-000	LORA	10 M	0.2
3001-001-005-000	NB-IOT	5 M	0.2

3001/002-001
VIDI Flow
For transmitting water volume

Transmits flow data via radio communication
CE-approved
RED-approved
Battery life: 10 years
IP Class 68

AVK ref. no.	Communi-cation	Wire	Theoretical weight/kg
3001-002-002-000	LORA	5 M	0.2
3001-002-005-000	NB-IOT	5 M	0.2
3001-002-008-000	LORA	1 M	0.2

3001/003-001
VIDI Temperature
For measuring water temperature

Transmits temperature data via radio communication
CE-approved
RED-approved
Battery life: 10 years
IP Class 68

AVK ref. no.	Communi-cation	Wire	Theoretical weight/kg
3001-003-005-000	LORA	1 M	0.2
3001-003-006-000	LORA	5 M	0.2
3001-003-007-000	LORA	10 M	0.2
3001-003-009-000	NB-IOT	5 M	0.2

3005/002-001
VIDI Software
Digital solutions for collecting and visualising data

AVK ref. no.		VIDI
3005-002-001-000	(1)	DEVICE HUB
3005-002-004-000	(2)	PILOT
3005-002-007-000	(3)	BASIC
3005-002-010-000	(3)	ADVANCED
3005-002-013-000	(3)	PREMIUM
3005-002-016-000	(4)	CUSTOM

(1) Price per device per month
(2) Price per month (max 6 months)
(3) Price per month
(4) Request price

3004/001-001
VIDI Open/Close
Position indicator for valves

Ttransmits open/close position via radio communication
CE-approved
RED-approved
Battery life: 10 years
IP Class 68

AVK ref. no.	Communi-cation	Wire	Theoretical weight/kg
3004-001-001-000	LORA	1M	0.2
3004-001-015-000	NB-IOT	5 M	0.2

106/02-006

Brass
EPDM drinking water approved

AVK ref. no.	DN mm	BSP thread Inch	Theoretical weight/kg
106-901-02-324	32	1/4" x 1/2"	0.6

100/00-003

Supa Lock™ tapping saddle for PE and PVC pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Dd mm	Theoretical weight/kg
100-063-00-320464	32	63	2.1
100-075-00-320464	32	75	2.3
100-090-00-320464	32	90	2.7
100-110-00-320464	32	110	3.6
100-125-00-320464	32	125	3.8
100-140-00-320464	32	140	5.4
100-160-00-320464	32	160	5.9
100-200-00-320464	32	200	9.3
100-225-00-320464	32	225	11

100/14-003

Supa Lock™ tapping saddle for cast iron, ductile iron and steel pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Tolerance mm	Theoretical weight/kg
100-067-14-320464	32	60 - 67	1.7
100-083-14-320464	32	76 - 83	1.6
100-099-14-320464	32	88 - 99	1.6
100-119-14-320464	32	114 - 119	1.8
100-171-14-320464	32	168 - 171	2.2
100-223-14-320464	32	219 - 223	2.6

79-001

Flange gasket in straight KGS design - EPDM rubber

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
79-050-4-42	50	PN 10/40	0.0
79-065-4-42	65	PN 10/40	0.0
79-080-4-42	80	PN 10/40	0.1
79-100-4-22	100	PN 10/16	0.1
79-125-4-22	125	PN 10/16	0.1
79-150-4-22	150	PN 10/16	0.1
79-200-4-22	200	PN 10/16	0.2
79-250-4-12	250	PN10	0.3
79-250-4-22	250	PN16	0.3
79-300-4-12	300	PN10	0.3
79-300-4-22	300	PN16	0.3
79-350-4-12	350	PN10	0.5
79-350-4-22	350	PN16	0.5
79-400-4-12	400	PN10	0.7
79-400-4-22	400	PN16	0.5
79-450-4-12	450	PN10	1.0
79-450-4-22	450	PN16	1.0
79-500-4-12	500	PN10	1.0
79-500-4-22	500	PN16	1.0
79-600-4-12	600	PN10	1.1
79-600-4-22	600	PN16	1.1
79-700-4-12	700	PN10	1.5
79-700-4-22	700	PN16	1.5
79-800-4-12	800	PN10	2.2
79-800-4-22	800	PN16	2.2

79-003

Flange gasket in drop-shapec KGS-S design - EPDM rubber

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
79-050-4-43	50	PN 10/40	0.0
79-065-4-43	65	PN 10/40	0.0
79-080-4-43	80	PN 10/40	0.1
79-100-4-23	100	PN 10/16	0.1
79-125-4-23	125	PN 10/16	0.1
79-150-4-23	150	PN 10/16	0.1
79-200-4-23	200	PN 10/16	0.2
79-250-4-13	250	PN10	0.3
79-300-4-13	300	PN10	0.3
79-350-4-13	350	PN10	0.5
79-400-4-13	400	PN10	0.7
79-450-4-13	450	PN10	1.0
79-500-4-13	500	PN10	1.0
79-600-4-13	600	PN10	1.1
79-700-4-13	700	PN10	1.5
79-800-4-13	800	PN10	2.2

COUPLINGS

AVK offers a wide selection of universal and dedicated couplings, flange adaptors and end caps in both tensile resistant and non-tensile resistant executions.

- Dedicated combi-flanges, tensile and non-tensile.
- Variants for PE/PVC pipes, ductile iron pipes and steel pipes
- Universal non-tensile Supa® straight couplings, step couplings and flange adaptors
- Dedicated tensile Supa Plus™ straight couplings, flange adaptors and end caps for PE and PVC pipes
- Universal tensile Supa Maxi™ straight, step and transition couplings, flange adaptors, and end caps
- Universal non-tensile Repico® couplings in stainless steel
- Dedicated tensile Repico® couplings in stainless steel for metal pipes
- Universal non-tensile Super Hydro fabricated couplings and flange adaptors for large diameter pipes
- Dedicated non-tensile fabricated couplings and flange adaptors for large diameter pipes for PVC and steel pipes

05/21-001
Combi-flange for D.I./PVC/steel pipes
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Dd mm	Flange drilling	Theoretical weight/kg
05-050-21-00 (1)	50	63	PN10/16	1.2
05-065-21-00 (1)	65	75	PN10/16	1.5
05-080-21-00 (1)	80	90	PN10/16	1.8
05-100-21-00 (1)	100	110	PN10/16	2.3
05-125-21-00 (1)	125	140	PN10/16	3.8
05-150-21-00 (1)	150	160	PN10/16	3.4
05-200-24-00 (1)	200	225	PN10	5.5
05-200-44-00 (1)	200	225	PN16	8.4
05-250-24-00 (1)	250	280	PN10	15
05-250-44-00 (1)	250	280	PN16	13
05-300-24-00 (1)	300	326	PN10	16
05-300-44-00 (1)	300	326	PN16	15
05-400-21-00 (2)	400	400	PN10	31
05-400-24-00 (3)	400	428	PN10	31
05-400-41-00 (2)	400	400	PN16	33
05-400-44-00 (3)	400	428	PN16	30
05-500-21-00 (2)	500	500	PN10	60
05-500-22-00 (3)	500	532	PN10	57
05-500-41-00 (2)	500	500	PN16	71
05-500-42-00 (3)	500	532	PN16	71
05-600-22-00 (4)	600	630	PN10	81

(1) For steel pipes
(2) For PVC pipes
(3) For ductile iron pipes
(4) For PVC and ductile iron pipes

05/60-001

Combi-flange tensile unit for PE/PVC and Bi-PVC pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Dd mm	Flange drilling	Theoretical weight/kg
05-050-60-1600	50	63	PN10/16	1.9
05-063-60-1600	60	63	PN10/16	2.0
05-075-60-1600	65	75	PN10/16	2.2
05-090-60-1600	80	90	PN10/16	2.5
05-110-60-1600	100	110	PN10/16	3.0
05-125-60-1600	125	125	PN10/16	3.7
05-140-60-1600	125	140	PN10/16	3.9
05-160-60-1600	150	160	PN10/16	4.3
05-200-60-0600	200	200	PN10	6.3
05-200-60-1600	200	200	PN16	6.3
05-225-60-0600	200	225	PN10	7.0
05-225-60-1600	200	225	PN16	7.0
05-250-60-0600	250	250	PN10	8.0
05-250-60-1600	250	250	PN16	8.0
05-280-60-0600 (1)	250	280	PN10	8.0
05-280-60-1600 (2)	250	280	PN16	8.0
05-315-60-0600 (1)	300	315	PN10	9.8
05-315-60-1600 (2)	300	315	PN16	9.8

(1) Max. ±1.5° deflection. For Bi-PVC pipes a support bush is to be used

(2) Max. ±1.5° deflection. Not suitable for Bi-PVC pipes

05/62-001

Combi-flange non-tensile unit for PVC and Bi-PVC pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Dd mm	Flange drilling	Theoretical weight/kg
05-050-62-1600	50	63	PN10/16	1.7
05-063-62-1600	60	63	PN10/16	1.9
05-075-62-1600	65	75	PN10/16	2.0
05-090-62-1600	80	90	PN10/16	2.3
05-110-62-1600	100	110	PN10/16	2.7
05-125-62-1600	125	125	PN10/16	3.4
05-140-62-1600	125	140	PN10/16	3.5
05-160-62-1600	150	160	PN10/16	3.9
05-200-62-0600	200	200	PN10	5.5
05-200-62-1600	200	200	PN16	5.5
05-225-62-0600	200	225	PN10	6.2
05-225-62-1600	200	225	PN16	6.2
05-250-62-0600	250	250	PN10	7.0
05-250-62-1600	250	250	PN16	7.0
05-280-62-0600 (1)	250	280	PN10	7.0
05-280-62-1600 (1)	250	280	PN16	7.0
05-315-62-0600 (1)	300	315	PN10	8.7
05-315-62-1600 (1)	300	315	PN16	8.7

(1) For Bi-PVC pipes a support bush is to be used.

05/66-002

Combi-flange non-tensile unit for ductile iron pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Dd mm	Flange drilling	Theoretical weight/kg
05-050-66-0502104	50	66	PN10/16	2.4
05-060-66-0602204	60	77	PN10/16	2.3
05-065-66-0652104	65	82	PN10/16	2.6
05-080-66-0802104	80	98	PN10/16	2.8
05-100-66-1002104	100	118	PN10/16	3.6
05-125-66-1252104	125	144	PN10/16	5.4
05-150-66-1502104	150	170	PN10/16	5.7
05-200-66-2002404	200	222	PN10	8.7
05-200-66-2004404	200	222	PN16	8.7
05-250-66-2502404	250	274	PN10	19
05-250-66-2504404	250	274	PN16	18
05-300-66-3002404	300	326	PN10	22
05-300-66-3004404	300	326	PN16	22

05/26-001

Combi-flange tensile unit for ductile iron pipes

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Dd mm	Flange drilling	Theoretical weight/kg
05-066-26-0502104	50	66	PN10/16	2.6
05-077-26-0602204	60	77	PN10/16	2.5
05-082-26-0652104	65	82	PN10/16	2.6
05-098-26-0802104	80	98	PN10/16	3.0
05-118-26-1002104	100	118	PN10/16	3.8
05-144-26-1252104	125	144	PN10/16	5.6
05-170-26-1502104	150	170	PN10/16	6.0
05-222-26-2002404	200	222	PN10	9.0
05-222-26-2004404	200	222	PN16	9.0
05-274-26-2502404	250	274	PN10	19
05-274-26-2504404	250	274	PN16	18
05-326-26-3002404	300	326	PN10	23
05-326-26-3004404	300	326	PN16	22

05/C-001

Non-tensile sealing ring for combi-flange for steel pipes

EPDM rubber

AVK ref. no.	DN mm	Dd mm	Theoretical weight/kg
05-050-05-40	50	60.3	0.2
05-080-05-40	80	88.9	0.4
05-100-05-40	100	114.3	0.5
05-125-05-40	125	140.3	0.7
05-150-05-40	150	168.3	0.8
05-200-05-40	200	219.1	1.5
05-250-05-40	250	273	1.6
05-300-05-40	300	323.9	2.6

05/C-002

Non-tensile sealing ring for combi-flange for PVC pipes

EPDM rubber

AVK ref. no.	DN mm	Dd mm	Theoretical weight/kg
05-400-03-40	400	400	4.1
05-500-03-40	500	500	4.0
05-600-03-40	600	630	4.7

05/C-003

Non-tensile sealing ring for combi-flange for ductile iron pipes

EPDM rubber

AVK ref. no.	DN mm	Dd mm	Theoretical weight/kg
05-400-02-40	400	428	4.1
05-500-02-40	500	532	4.0
05-600-02-40	600	636	4.7

601/A-005

Universal Supa® coupling with bolts of mild steel, Sheraplex fasteners

Ductile Iron

EPDM rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Product PN Class	Seal range SR1 mm	Theoretical weight/kg
601-063-000-4100	40	PN16	46-63	2.9
601-074-000-4100	50	PN16	57-74	2.9
601-085-000-4100	65	PN16	68-85	4.3
601-106-000-4100	80	PN16	84-106	4.9
601-119-000-4100	100	PN16	99-119	5.2
601-133-000-4100	100	PN16	109-133	6.0
601-157-000-4100	125	PN16	132-157	6.5
601-183-000-4100	150	PN16	157-183	8.0
601-201-000-4100	150	PN16	176-201	9.0
601-215-000-4100	175	PN16	193-215	10
601-242-000-4100	200	PN16	218-242	12
601-268-000-4100	225	PN16	242-268	17
601-292-000-4100	250	PN16	266-292	19
601-306-000-4100	250	PN16	280-306	15
601-327-000-4100	300	PN16	301-327	21
601-350-000-4100	300	PN16	324-350	23
601-378-000-4100	350	PN16	352-378	24
601-396-000-4100	350	PN16	372-397	20
601-410-000-4100	350	PN16	384-410	25
601-436-000-4100	400	PN16	410-436	28
601-462-000-4100	400	PN16	436-462	29

601/A-011

Universal Supa® coupling A2 bolts/A4 nuts

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Product PN Class	Seal range SR1 mm	Theoretical weight/kg
601-063-000-6400	40	PN16	46-63	2.9
601-074-000-6400	50	PN16	57-74	4.2
601-085-000-6400	65	PN16	68-85	3.9
601-106-000-6400	80	PN16	84-106	4.9
601-119-000-6400	100	PN16	99-119	5.2
601-133-000-6400	100	PN16	109-133	5.5
601-157-000-6400	125	PN16	132-157	6.5
601-183-000-6400	150	PN16	157-183	7.5
601-201-000-6400	150	PN16	176-201	12
601-215-000-6400	200	PN16	193-215	9.4
601-242-000-6400	200	PN16	218-242	15
601-268-000-6400	225	PN16	242-268	13
601-292-000-6400	250	PN16	266-292	21
601-306-000-6400	250	PN16	280-306	23
601-327-000-6400	300	PN16	301-327	16
601-350-000-6400	300	PN16	324-350	17
601-378-000-6400	350	PN16	352-378	20
601-396-000-6400	350	PN16	372-397	28
601-410-000-6400	350	PN16	384-410	22
601-436-000-6400	400	PN16	410-436	29
601-462-000-6400	400	PN16	436-462	32

603/A-4100

Universal Supa® flange adaptor with bolts of mild steel

Ductile Iron

EPDM rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Product PN Class	Seal range SR1 mm	Theoretical weight/kg
603-063-000-4100	40/50	PN16	46-63	3.8
603-074-000-4100	50	PN16	57-74	3.9
603-074-001-4100	50/65	PN16	57-74	4.1
603-085-000-4100	50/65	PN16	68-85	4.2
603-106-000-4100	80	PN16	84-106	5.0
603-106-001-4100	80/100	PN16	84-106	5.7
603-119-000-4100	100	PN16	99-119	5.6
603-133-000-4100	100	PN16	109-133	5.8
603-133-001-4100	100/125	PN16	109-133	5.8
603-157-000-4100	125/150	PN16	132-157	8.3
603-183-000-4100	150	PN16	157-183	9.3
603-201-000-4100	150	PN16	176-201	11
603-215-000-4100	200	PN16	193-215	12
603-242-000-4100	200	PN16	218-242	13
603-268-000-4100	250	PN16	242-268	17
603-292-000-4100	250	PN16	266-292	19
603-306-000-4100	250	PN16	280-306	19
603-327-000-4100	300	PN16	301-327	22
603-350-000-4100	300	PN16	324-350	24
603-378-000-4100	350	PN16	352-378	25
603-396-000-4100	350	PN16	372-396	30
603-410-000-4100	400	PN16	384-410	30
603-436-000-4100	400	PN16	410-436	35
603-462-000-4100	400	PN16	436-462	38

603/A-6400

Universal Supa® adaptor Bolts A2 / nuts A4

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Seal range SR1 mm	Theoretical weight/kg
603-063-000-6400	40/50	46-63	3.8
603-074-000-6400	50	57-74	3.9
603-074-001-6400	50/65	57-74	4.1
603-085-000-6400	50/65	68-85	4.2
603-106-000-6400	80	84-106	5.0
603-106-001-6400	80/100	84-106	5.3
603-119-000-6400	100	99-119	5.6
603-133-000-6400	100	109-133	5.8
603-133-001-6400	100/125	109-133	8.7
603-157-000-6400	125/150	132-157	8.3
603-183-000-6400	150	157-183	9.3
603-201-000-6400	150	176-201	10
603-215-000-6400	200	193-215	12
603-242-000-6400	200	218-242	12
603-268-000-6400	250	242-268	20
603-292-000-6400	250	266-292	19
603-306-000-6400	250	280-306	19
603-327-000-6400	300	301-327	22
603-350-000-6400	300	324-350	24
603-378-000-6400	350	352-378	28
603-396-000-6400	350	372-397	30
603-410-000-6400	350	384-410	34
603-436-000-6400	400	410-436	35
603-462-000-6400	400	436-462	42

621/41-001

Supa Plus™ coupling, tensile for PE/uPVC-pipes with bolts A2/nuts A4

Ductile Iron

EPDM rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Dd mm	Product PN Class	Theoretical weight/kg
621-10-040-41001	32	40	PN16	3.8
621-10-050-41001	40	50	PN16	2.8
621-10-063-41001	50	63	PN16	4.3
621-10-075-41001	65	75	PN16	4.0
621-10-090-41001	80	90	PN16	5.0
621-10-110-41001	100	110	PN16	6.5
621-10-125-41001	125	125	PN16	8.0
621-10-140-41001	125	140	PN16	9.0
621-10-160-41001	150	160	PN16	9.1
621-10-180-41001	150	180	PN16	13
621-10-200-41001	200	200	PN16	13
621-10-225-41001	200	225	PN16	19
621-10-250-41001	250	250	PN16	27
621-10-280-41001	250	280	PN16	30
621-10-315-41001	300	315	PN16	36

623/10-004

Supa Plus™ flange adaptor tensile for PE/uPVC pipes - A2 bolts/A4 nuts

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.		DN mm	Dd mm	Flange drilling	Theoretical weight/kg
623-10-040-6141001	(1)	40	40	PN10/16	6.3
623-10-050-6141001	(1)	40	50	PN10/16	3.7
623-10-063-6141001	(1)	50/65	63	PN10/16	4.0
623-10-075-6141001	(1)	60/65	75	PN10/16	4.3
623-10-090-6141001	(1)	80	90	PN10/16	4.7
623-10-110-6141001	(1)	100	110	PN10/16	6.0
623-10-125-6141001	(1)	125	125	PN10/16	7.8
623-10-125-6241001	(1)	100	125	PN10/16	6.8
623-10-140-6141001	(1)	125	140	PN10/16	8.9
623-10-160-6141001	(1)	150	160	PN10/16	8.3
623-10-180-6141001	(1)	150	180	PN10/16	10
623-10-200-6041001		200	200	PN10	13
623-10-200-6141001		200	200	PN16	14
623-10-225-6041001		200	225	PN10	15
623-10-225-6141001		200	225	PN16	15
623-10-250-6141001	(1)	250	250	PN10/16	21
623-10-250-6241001	(1)	200	250	PN10/16	25
623-10-280-6041001		250	280	PN10	25
623-10-280-6141001		250	280	PN16	25
623-10-315-6141001	(1)	300	315	PN10/16	26

(1) 10/16 = Universal drilling

624/10-001

Supa Plus™ end cap - tensile for PE/uPVC-pipes A2 bolts/A4 nuts

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.		DN mm	Dd mm	Product PN Class	Theoretical weight/kg
624-10-040-6100041	(1)	32	40	PN16	3.8
624-10-050-6100041	(1)	40	50	PN16	4.2
624-10-063-6100041	(1)	50	63	PN16	4.3
624-10-063-6100061	(2)	50	63	PN16	4.3
624-10-075-6100041	(1)	65	75	PN16	4.6
624-10-075-6100061	(2)	65	75	PN16	4.6
624-10-090-6100041	(1)	80	90	PN16	5.0
624-10-090-6100061	(2)	80	90	PN16	5.0
624-10-110-6100041	(1)	100	110	PN16	6.5
624-10-110-6100061	(2)	100	110	PN16	6.5
624-10-125-6100041	(1)	125	125	PN16	7.6
624-10-125-6100061	(2)	125	125	PN16	7.6
624-10-140-6100041	(1)	125	140	PN16	8.4
624-10-140-6100061	(2)	125	140	PN16	8.4
624-10-160-6100041	(1)	150	160	PN16	9.8
624-10-160-6100061	(2)	150	160	PN16	9.8
624-10-180-6100041	(1)	150	180	PN16	13
624-10-180-6100061	(2)	150	180	PN16	13
624-10-200-6100041	(1)	200	200	PN16	14
624-10-200-6100061	(2)	200	200	PN16	14
624-10-225-6100041	(1)	200	225	PN16	19
624-10-225-6100061	(2)	200	225	PN16	19
624-10-250-6100041	(1)	250	250	PN16	26
624-10-250-6100061	(2)	250	250	PN16	26
624-10-280-6100041	(1)	250	280	PN16	30
624-10-280-6100061	(2)	250	280	PN16	30
624-10-315-6100041	(1)	300	315	PN16	32
624-10-315-6100061	(2)	300	315	PN16	32

(1) 1 1/4" BSP thread, in line

(2) 2" BSP thread, in line, short model

SUPA MAXI™ UNIVERSAL TENSILE COUPLINGS

AVK's complete range of couplings, flange adaptors, end caps and gate valves ensure maximum durability and easy installation even under difficult conditions.

The patented SupaGrip™ sealing system consists of a flexible bracket and a unique grip design which provides superior tightness and tensile resistance on all pipe dimensions and materials.

Main features:

- Fully universal and tensile on all pipe materials
- Patented sealing support system
- Approved according to EN 14525
- ±4° (8° in total) angular deflection on each side
- The large insertion depth tolerances allow the pipe to be cut slightly angled
- Permanent protection caps protect during handling and installation
- No re-tightening of bolts needed thanks to grip segments of hardened stainless steel and RG5 bronze (no plastic parts)
- GSK approved epoxy coating and drinking water approved gasket
- The gate valve provides extra safety when repairing old pipes

631/00-001

Supa Maxi™ straight coupling, universal and tensile with A2 bolts/A4 nuts

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Product PN Class	Seal range SR1 mm	Theoretical weight/kg
631-071-00-6	50	PN16	48-71	6.0
631-091-00-6	65	PN16	69-91	7.0
631-106-00-6	80	PN16	82-106	7.5
631-133-00-6	100	PN16	104-133	11
631-161-00-6	125	PN16	132-159	13
631-188-00-6	150	PN16	159-188	16
631-227-00-6	200	PN16	193-227	25
631-257-00-6	225	PN16	224-257	37
631-301-00-6	250	PN16	266-301	35
631-356-00-6	300	PN16	314-356	45
631-396-00-6	350	PN16	352-396	114
631-442-00-6	400	PN16	392-442	107
631-510-00-6	450	PN16	448-510	177
631-552-00-6	500	PN16	498-552	201
631-652-00-6	600	PN16	604-652	241
631-745-00-6	700	PN16	700-745	396

632/00-001

Supa Maxi™ step coupling Universal and tensile A2 bolts / A4 nuts

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN/DN	Seal range SR1 mm	Seal range SR2 mm	Theoretical weight/kg
632-071-091-006	50 - 65	48-71	69-91	6.5
632-071-106-006	50 - 80	48-71	82-106	7.0
632-091-106-006	65 - 80	69-91	82-106	7.5
632-106-133-006	80 - 100	82-106	104-133	10
632-133-161-006	100 - 125	104-133	132-159	13
632-133-188-006	100 - 150	104-133	159-188	14
632-161-188-006	125 - 150	132-159	159-188	15
632-188-227-006	150 - 200	159-188	193-227	21
632-188-257-006	150 - 225	159-188	224-257	27
632-227-257-006	200 - 225	193-227	224-257	32
632-227-301-006	200 - 250	193-227	266-301	32
632-257-301-006	225 - 250	224-257	266-301	36
632-301-356-006	250 - 300	266-301	314-356	42

633/00-001

Supa Maxi™ flange adaptor, universal and tensile with A2 bolts / A4 nuts

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	Seal range SR1 mm	Theoretical weight/kg
633-071-00-006	40-50	10/16	48-71	5.0
633-091-00-006	50-65	10/16	69-91	6.0
633-106-00-006	80	10/16	82-106	6.5
633-133-00-006	100	10/16	104-133	9.0
633-133-01-006	80	10/16	104-133	9.0
633-161-00-006	100	10/16	132-159	11
633-161-01-006	150	10/16	132-159	11
633-188-00-006	150	10/16	159-188	12
633-227-00-006	200	10/16	193-227	19
633-257-00-006	250	10/16	224-257	25
633-257-01-006	200	10/16	224-257	25
633-301-00-006	250	10/16	266-301	28
633-356-00-006	300	10/16	314-356	38
633-396-00-006	350	10/16	352-396	87
633-442-00-006	400	10/16	392-442	80
633-510-00-006	450	10/16	448-510	145
633-552-00-006	500	10/16	498-552	166
633-652-00-006	600	10/16	604-652	213
633-745-00-006	700	10/16	700-745	379

634/00-001

Supa Maxi™ end cap, universal and tensile with A2 bolts / A4 nuts

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Product PN Class	Seal range SR1 mm	Theoretical weight/kg
634-071-00-016 (1)	50	PN16	48-71	4.0
634-071-01-016 (2)	50	PN16	48-71	3.8
634-071-01-036 (3)	50	PN16	48-71	3.8
634-071-01-056 (4)	50	PN16	48-71	3.8
634-071-01-066 (5)	50	PN16	48-71	3.8
634-091-00-016 (1)	65	PN16	69-91	5.0
634-091-00-036 (6)	65	PN16	69-91	5.0
634-091-01-016 (2)	65	PN16	69-91	4.4
634-091-01-036 (3)	65	PN16	69-91	4.4
634-091-01-056 (4)	65	PN16	69-91	4.4
634-091-01-066 (5)	65	PN16	69-91	4.4
634-106-00-016 (1)	80	PN16	82-106	5.5
634-106-00-036 (6)	80	PN16	82-106	5.5
634-133-00-016 (1)	100	PN16	104-133	8.0
634-133-00-036 (6)	100	PN16	104-133	8.0
634-161-00-016 (1)	125	PN16	132-159	9.0
634-161-00-036 (6)	125	PN16	132-159	9.0
634-188-00-016 (1)	150	PN16	159-188	11
634-188-00-036 (6)	150	PN16	159-188	11
634-227-00-016 (1)	200	PN16	193-227	16
634-227-00-036 (6)	200	PN16	193-227	16
634-257-00-016 (1)	225	PN16	224-257	19
634-257-00-036 (6)	225	PN16	224-257	19
634-301-00-016 (1)	250	PN16	266-301	22
634-301-00-036 (6)	250	PN16	266-301	22
634-356-00-016 (1)	300	PN16	314-356	29
634-356-00-036 (6)	300	PN16	314-356	29
634-396-00-016 (1)	350	PN16	352-396	65
634-396-00-036 (6)	350	PN16	352-396	65
634-442-00-016 (1)	400	PN16	392-442	58
634-442-00-036 (6)	400	PN16	392-442	58

(1) 1 1/4" BSP thread, in line
(2) 1¼" BSP thread, in line, short model
(3) 2" BSP thread, in line, short model
(4) 1½" BSP thread, in line, short model
(5) 1" BSP thread, in line, short model
(6) 2" BSP thread, in line

635/00-001

Supa Maxi™ transition coupling - universal and tensile with PE 100/PN 16 pipe/SDR 11

A2 bolts/A4 nuts

Ductile Iron

EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN	OD	Product	Seal range SR1	Theoretical
	mm	mm	PN Class	mm	weight/kg
635-071-00-166	50	63	PN16	48-71	4.5
635-091-00-166	65	75	PN16	69-91	5.6
635-105-00-166	80	90	PN16	82-106	7.5
635-106-00-166	80	110	PN16	82-106	6.0
635-133-00-166	100	110	PN16	104-133	10
635-161-00-166	125	160	PN16	132-159	16
635-188-00-166	150	160	PN16	159-188	18
635-227-00-166	200	200	PN16	193-227	27
635-257-00-166	225	250	PN16	224-257	49
635-301-00-166	250	250	PN16	266-301	49
635-356-00-166	300	315	PN16	314-356	64

635/00-002

Supa Maxi™ transition coupling

Universal and tensile **with PE 100/PN 10 pipe/SDR 17**

A2 bolts/A4 nuts

Ductile Iron

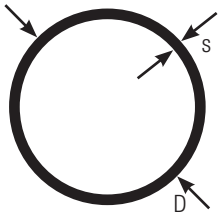
EPDM drinking water approved

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN	OD	Product	Seal range SR1	Theoretical
	mm	mm	PN Class	mm	weight/kg
635-071-00-266	50	63	PN10	48-71	4.5
635-091-00-266	65	75	PN10	69-91	5.6
635-105-00-266	80	90	PN10	82-106	7.5
635-106-00-266	80	110	PN10	82-106	6.0
635-133-00-266	100	110	PN10	104-133	10
635-161-00-266	125	160	PN10	132-159	16
635-188-00-266	150	160	PN10	159-188	18
635-227-00-266	200	200	PN10	193-227	27
635-228-00-266	200	225	PN10	193-227	27
635-257-00-266	225	250	PN10	224-257	49
635-301-00-266	250	250	PN10	266-301	49
635-356-00-266	300	315	PN10	314-356	64

SDR EXPLAINED

SDR = D/s
Where: D = pipe outside diameter
s = pipe wall thickness



05/E-008
Support bush for PE pipes
Stainless steel

AVK ref. no.	DN mm	Pipe dia. mm	SDR	Theoretical weight/kg
05-032-54-002 (1)	25	32	11	0.1
05-040-54-002 (1)	32	40	11	0.2
05-050-54-002 (1)	40	50	11	0.3
05-063-51-000	50	63	17.6	0.4
05-063-53-000	50	63	17	0.4
05-063-54-000	50	63	11	0.4
05-063-54-002 (1)	50	63	11	0.6
05-075-51-000	65	75	17.6	0.5
05-075-53-000	65	75	17	0.5
05-075-54-000	65	75	11	0.5
05-090-51-000	80	90	17.6	0.7
05-090-53-000	80	90	17	0.7
05-090-54-000	80	90	11	0.7
05-110-71-000	100	110	17.6	0.8
05-110-73-000	100	110	17	0.8
05-110-74-000	100	110	11	0.8
05-110-76-000	100	110	13.6	0.8
05-125-71-000	125	125	17.6	1.0
05-125-73-000	125	125	17	1.0
05-125-74-000	125	125	11	1.0
05-125-76-000	125	125	13.6	1.0
05-140-71-000	140	140	17.6	1.1
05-140-73-000	125	140	17	1.1
05-140-74-000	140	140	11	1.1
05-140-76-000	125	140	13.6	1.1
05-160-71-000	150	160	17.6	1.3
05-160-73-000	150	160	17	1.3
05-160-74-000	150	160	11	1.3
05-160-76-000	150	160	13.6	1.3
05-180-71-000	175	180	17.6	1.4
05-180-73-000	175	180	17	1.4
05-180-74-000	175	180	11	1.4
05-180-76-000	175	180	13.6	1.4
05-200-71-000	200	200	17.6	1.4

AVK ref. no.	DN	Pipe dia.	SDR	Theoretical
	mm	mm		weight/kg
05-200-73-000	200	200	17	1.4
05-200-74-000	200	200	11	1.4
05-200-76-000	200	200	13.6	1.4
05-225-71-000	225	225	17.6	1.9
05-225-73-000	225	225	17	1.9
05-225-74-000	225	225	11	2.0
05-225-76-000	225	225	13.6	2.0
05-250-71-000	250	250	17.6	2.3
05-250-73-000	250	250	17	2.3
05-250-74-000	250	250	11	2.5
05-250-76-000	250	250	13.6	2.4
05-280-71-000	275	280	17.6	2.7
05-280-73-000	275	280	17	2.7
05-280-74-000	275	280	11	3.3
05-280-76-000	275	280	13.6	3.0
05-315-71-000	300	315	17.6	3.5
05-315-73-000	300	315	17	3.5
05-315-74-000	300	315	11	3.3
05-315-76-000	300	315	13.6	3.4
05-355-73-000	350	355	17	4.0
05-355-74-000	350	355	11	3.8
05-400-71-000	400	400	17,6	3.5
05-400-73-000	400	400	17	4.5
05-400-74-000	400	400	11	4.3
05-450-73-000	450	450	17	3.0
05-450-74-000	450	450	11	2.7
05-500-73-000	500	500	17	5.3
05-500-74-000	500	500	11	5.1
05-630-73-000	600	630	17	5.8
05-630-74-000	600	630	11	5.5
05-710-73-000	700	710	17	10
05-710-74-000	700	710	11	10
05-800-73-000	800	800	17	11
05-800-74-000	800	800	11	11

(1) Made of polypropylene with a built-in chamfer. There is no wedge in this type of support bush

258/30-006

Fabricated coupling for ductile Iron pipes

Steel

EPDM rubber

Epoxy coated according to WIS 4-52-01 class B

AVK ref. no.	DN mm	DP Nom. O.D. mm	Theoretical weight/kg
258-30-0378-10	350	378	29
258-30-0429-10	400	429	32
258-30-0480-10	450	480	35
258-30-0532-10	500	532	39
258-30-0635-10	600	635	44
258-30-0738-10	700	738	50
258-30-0842-10	800	842	58
258-30-0945-10	900	945	62
258-30-1048-10	1000	1048	68
258-30-1255-10	1200	1255	81

258/30-007

Fabricated coupling for cast iron AB pipes

Steel

EPDM rubber

Epoxy coated according to WIS 4-52-01 class B

AVK ref. no.	DN mm	DP Nom. O.D. mm	Theoretical weight/kg
258-30-0439-10	400	439	33
258-30-0492-10	450	492	37
258-30-0545-10	500	545	39
258-30-0650-10	600	650	46
258-30-0729-10	700	729	51
258-30-0807-10	800	807	56
258-30-0964-10	900	964	70
258-30-1121-10	1000	1121	80
258-30-1277-10	1200	1277	91

258/30-008

Fabricated coupling for cast iron CD pipes

Steel

EPDM rubber

Epoxy coated according to WIS 4-52-01 class B

AVK ref. no.	DN mm	DP Nom. O.D. mm	Theoretical weight/kg
258-30-0399-10	350	399	30
258-30-0453-10	400	453	34
258-30-0507-10	500	507	37
258-30-0560-10	500	560	40
258-30-0667-10	600	667	47
258-30-0747-10	700	747	52
258-30-0985-10	900	985	64
258-30-1143-10	1000	1143	82
258-30-1300-10	1200	1300	92

258/30-009

Fabricated coupling for steel and PVC pipes

Steel

EPDM rubber

Epoxy coated according to WIS 4-52-01 class B

AVK ref. no.	DN mm	DP Nom. O.D. mm	Product PN Class	Theoretical weight/kg
258-30-0406-10	400	406	PN16	31
258-30-0457-10	450	457	PN16	34
258-30-0508-10	500	508	PN16	37
258-30-0711-10	700	711	PN16	48
258-30-1016-10	1000	1016	PN16	68

8004/01-001

Super Hydro fabricated universal straight coupling

Steel

EPDM drinking water approved

PLASCOAT PPA 571 ES to WRAS

Optional:
- Tensile resistant
- SS fasteners

AVK ref. no.	DN mm	Product PN Class	Range mm	Theoretical weight/kg
8004-01-075-001100000		PN10	304-326	24
8004-01-075-001300000		PN16	304-326	24
8004-01-080-001100000		PN10	313-335	28
8004-01-080-001300000		PN16	313-335	28
8004-01-085-001100000		PN10	332-335	29
8004-01-085-001300000		PN16	332-355	29
8004-01-090-001100000		PN10	358-386	32
8004-01-090-001300000		PN16	358-386	32
8004-01-095-001100000		PN10	385-410	35
8004-01-095-001300000		PN16	385-410	35
8004-01-100-001100000		PN10	406-435	39
8004-01-100-001300000		PN16	406-435	39
8004-01-105-001100000		PN10	430-462	42
8004-01-105-001300000		PN16	430-462	42
8004-01-110-001100000		PN10	465-500	45
8004-01-110-001300000		PN16	465-500	45
8004-01-115-001100000		PN10	500-540	79
8004-01-115-001300000		PN16	500-540	79
8004-01-120-001100000		PN10	530-570	85
8004-01-120-001300000		PN16	530-570	85
8004-01-125-001100000		PN10	570-610	90
8004-01-125-001300000		PN16	570-610	90
8004-01-130-001100000		PN10	600-640	94
8004-01-130-001300000		PN16	600-640	94
8004-01-135-001100000		PN10	680-720	104
8004-01-135-001300000		PN16	680-720	104
8004-01-140-001100000		PN10	700-740	108
8004-01-140-001300000		PN16	700-740	108
8004-01-145-001100000		PN10	730-770	112
8004-01-145-001300000		PN16	730-770	112
8004-01-150-001100000		PN10	780-820	115
8004-01-150-001300000		PN16	780-820	115
8004-01-155-001100000		PN10	810-850	120
8004-01-155-001300000		PN16	810-850	120
8004-01-160-001100000		PN10	890-930	135
8004-01-160-001300000		PN16	890-930	135
8004-01-165-001100000		PN10	910-950	137
8004-01-165-001300000		PN16	910-950	137
8004-01-170-001100000		PN10	940-980	143
8004-01-170-001300000		PN16	940-980	143
8004-01-175-001100000		PN10	1000-1040	152
8004-01-175-001300000		PN16	1000-1040	152
8004-01-180-001100000		PN10	1030-1070	155
8004-01-180-001300000		PN16	1030-1070	155
8004-01-185-001100000		PN10	1060-1100	160
8004-01-185-001109500		PN10	1060-1100	160
8004-01-185-001300000		PN16	1060-1100	160
8004-01-190-001100000		PN10	1090-1130	163
8004-01-190-001300000		PN16	1090-1130	163
8004-01-195-001100000		PN10	1120-1160	189
8004-01-195-001300000		PN16	1120-1160	189
8004-01-200-001100000		PN10	1150-1190	193
8004-01-200-001300000		PN16	1150-1190	193
8004-01-205-001100000		PN10	1180-1220	214
8004-01-205-001300000		PN16	1180-1220	214
8004-01-210-001100000		PN10	1210-1250	216
8004-01-210-001300000		PN16	1210-1250	216
8004-01-215-001100000		PN10	1240-1280	219
8004-01-215-001300000		PN16	1240-1280	219
8004-01-220-001100000		PN10	1270-1310	222
8004-01-220-001300000		PN16	1270-1310	222
8004-01-225-001100000		PN10	1300-1340	239
8004-01-225-001300000		PN16	1300-1340	239
8004-01-230-001100000		PN10	1330-1370	242
8004-01-230-001300000		PN16	1330-1370	242
8004-01-235-001100000		PN10	1360-1400	245

8004/01-001

Super Hydro fabricated universal straight coupling

Steel

EPDM drinking water approved

PLASCOAT PPA 571 ES to WRAS

Optional:
- Tensile resistant
- SS fasteners

AVK ref. no.	DN mm	Product PN Class	Range mm	Theoretical weight/kg
8004-01-235-001300000		PN16	1360-1400	245
8004-01-240-001100000		PN10	1390-1430	248
8004-01-240-001300000		PN16	1390-1430	248
8004-01-245-001100000		PN10	1420-1460	267
8004-01-245-001300000		PN16	1420-1460	267
8004-01-250-001100000		PN10	1450-1490	270
8004-01-250-001300000		PN16	1450-1490	270
8004-01-255-001100000		PN10	1480-1520	275
8004-01-255-001300000		PN16	1480-1520	275
8004-01-260-001100000		PN10	1510-1550	278
8004-01-260-001300000		PN16	1510-1550	278
8004-01-265-001100000		PN10	1540-1580	283
8004-01-265-001300000		PN16	1540-1580	283
8004-01-270-001100000		PN10	1570-1610	287
8004-01-270-001300000		PN16	1570-1610	287
8004-01-275-001100000		PN10	1600-1640	315
8004-01-275-001300000		PN16	1600-1640	315
8004-01-280-001100000		PN10	1630-1670	320
8004-01-280-001300000		PN16	1630-1670	320
8004-01-285-001100000		PN10	1660-1700	324
8004-01-285-001300000		PN16	1660-1700	324
8004-01-290-001100000		PN10	1690-1730	327
8004-01-290-001300000		PN16	1690-1730	327
8004-01-295-001100000		PN10	1720-1760	333
8004-01-295-001300000		PN16	1720-1760	333
8004-01-300-001100000		PN10	1750-1790	337
8004-01-300-001300000		PN16	1750-1790	337
8004-01-305-001100000		PN10	1780-1820	344
8004-01-305-001300000		PN16	1780-1820	344
8004-01-310-001100000		PN10	1810-1850	348
8004-01-310-001300000		PN16	1810-1850	348
8004-01-315-001100000		PN10	1840-1880	352
8004-01-315-001300000		PN16	1840-1880	352
8004-01-320-001100000		PN10	1870-1910	357
8004-01-320-001300000		PN16	1870-1910	357
8004-01-325-001100000		PN10	1900-1940	363
8004-01-325-001300000		PN16	1900-1940	363
8004-01-330-001100000		PN10	1930-1970	367
8004-01-330-001300000		PN16	1930-1970	367
8004-01-335-001100000		PN10	1960-2000	371
8004-01-335-001300000		PN16	1960-2000	371
8004-01-340-001100000		PN10	1990-2030	388
8004-01-340-001300000		PN16	1990-2030	388
8004-01-345-001100000		PN10	2020-2060	392
8004-01-345-001300000		PN16	2020-2060	392
8004-01-350-001100000		PN10	2050-2090	396
8004-01-350-001300000		PN16	2050-2090	396

260/30-100

Fabricated flange adaptor for non standard pipe sizes

Ductile Iron

EPDM rubber

Blue epoxy RAL 5017 300 µm

AVK ref. no.	DN mm	Dd mm	Product PN Class	Theoretical weight/kg
260-30-0355-10	350	356	PN10	34
260-30-0406-10	400	406	PN10	40
260-30-0457-10	450	457	PN10	46
260-30-0711-10	700	711	PN10	72
260-30-0812-10	800	813	PN10	85
260-30-0914-10	900	914	PN16	94
260-30-1016-10	1000	1016	PN10	114

8006/00-001
Super Hydro fabricated universal flange adaptor
Steel
EPDM rubber
PLASCOAT PPA 571 ES to WRAS

Optional:
- Tensile resistant
- SS fasteners

AVK ref. no.	DN mm	Product PN Class	Range mm	Theoretical weight/kg
8006-00-075-001100500	300	PN10	304-326	26
8006-00-075-001301000	300	PN16	304-326	31
8006-00-080-001100500	300	PN10	313-335	27
8006-00-080-001301000	300	PN16	313-335	33
8006-00-085-001101500	350	PN10	332-355	35
8006-00-085-001302000	350	PN16	332-355	43
8006-00-090-001101500	350	PN10	358-386	37
8006-00-090-001302000	350	PN16	358-386	44
8006-00-095-001102500	350	PN10	385-410	45
8006-00-095-001303000	350	PN16	385-410	54
8006-00-100-001102500	400	PN10	406-435	47
8006-00-100-001303000	400	PN16	406-435	56
8006-00-105-001103500	400	PN10	430-462	55
8006-00-105-001304000	400	PN16	430-462	67
8006-00-110-001104500	450	PN10	465-500	56
8006-00-110-001305000	450	PN16	465-500	87
8006-00-115-001104500	500	PN10	500-540	85
8006-00-115-001305000	500	PN16	500-540	87
8006-00-120-001105500	500	PN10	530-570	97
8006-00-120-001306000	500	PN16	530-570	130
8006-00-125-001105500	600	PN10	570-610	99
8006-00-125-001306000	600	PN16	570-610	134
8006-00-130-001106500	600	PN10	600-640	112
8006-00-130-001307000	600	PN16	600-640	143
8006-00-135-001106500	700	PN10	680-720	117
8006-00-135-001307000	700	PN16	680-720	148
8006-00-140-001107500	700	PN10	700-740	142
8006-00-140-001308000	700	PN16	700-740	169
8006-00-145-001107500	800	PN10	730-770	144
8006-00-145-001308000	800	PN16	730-770	171
8006-00-150-001107500	800	PN10	780-820	160
8006-00-150-001308000	800	PN16	780-820	180
8006-00-155-001108500	800	PN10	810-850	168
8006-00-155-001309000	800	PN16	810-850	185
8006-00-160-001108500	900	PN10	890-930	169
8006-00-160-001309000	900	PN16	890-930	193
8006-00-165-001108500	900	PN10	910-950	200
8006-00-165-001309000	900	PN16	910-950	194
8006-00-170-001109500	900	PN10	940-980	203
8006-00-170-001310000	900	PN16	940-980	232
8006-00-175-001109500	1000	PN10	1000-1040	205
8006-00-175-001310000	1000	PN16	1000-1040	236
8006-00-180-001109500	1000	PN10	1030-1070	208
8006-00-180-001310000	1000	PN16	1030-1070	237
8006-00-185-001310000	1000	PN16	1060-1100	240
8006-00-190-001109500	1000	PN10	1090-1130	254
8006-00-190-001310000	1000	PN16	1090-1130	242
8006-00-195-001110500	1200	PN10	1120-1160	256
8006-00-195-001311000	1200	PN16	1120-1160	300
8006-00-200-001110500	1200	PN10	1150-1190	256
8006-00-200-001311000	1200	PN16	1150-1190	302
8006-00-205-001110500	1200	PN10	1180-1220	267
8006-00-205-001311000	1200	PN16	1180-1220	313
8006-00-210-001110500	1200	PN10	1210-1250	268
8006-00-210-001311000	1200	PN16	1210-1250	314
8006-00-215-001110500	1200	PN10	1240-1280	270
8006-00-215-001311000	1200	PN16	1240-1280	316
8006-00-220-001110500	1200	PN10	1270-1310	271
8006-00-220-001311000	1200	PN16	1270-1310	317
8006-00-225-001110500	1200	PN10	1300-1340	280
8006-00-225-001311000	1200	PN16	1300-1340	326
8006-00-230-001111500	1400	PN10	1330-1370	334
8006-00-230-001312000	1400	PN16	1330-1370	363
8006-00-235-001111500	1400	PN10	1360-1400	338
8006-00-235-001312000	1400	PN16	1360-1400	365
8006-00-240-001111500	1400	PN10	1390-1430	342

8006/00-001
Super Hydro fabricated universal flange adaptor
Steel
EPDM rubber
PLASCOAT PPA 571 ES to WRAS

Optional:
- Tensile resistant
- SS fasteners

AVK ref. no.	DN mm	Product PN Class	Range mm	Theoretical weight/kg
8006-00-240-001312000	1400	PN16	1390-1430	366
8006-00-245-001111500	1400	PN10	1420-1460	346
8006-00-245-001312000	1400	PN16	1420-1460	376
8006-00-250-001111500	1400	PN10	1450-1490	348
8006-00-250-001312000	1400	PN16	1450-1490	377
8006-00-255-001111500	1400	PN10	1480-1520	350
8006-00-255-001312000	1400	PN16	1480-1520	379
8006-00-260-001112500	1600	PN10	1510-1550	426
8006-00-260-001313000	1600	PN16	1510-1550	469
8006-00-265-001112500	1600	PN10	1540-1580	429
8006-00-265-001313000	1600	PN16	1540-1580	472
8006-00-270-001112500	1600	PN10	1570-1610	431
8006-00-270-001313000	1600	PN16	1570-1610	474
8006-00-275-001112500	1600	PN10	1600-1640	445
8006-00-275-001313000	1600	PN16	1600-1640	488
8006-00-280-001112500	1600	PN10	1630-1670	447
8006-00-280-001313000	1600	PN16	1630-1670	490
8006-00-285-001112500	1600	PN10	1660-1700	449
8006-00-285-001313000	1600	PN16	1660-1700	492
8006-00-290-001112500	1600	PN10	1690-1730	451
8006-00-290-001313000	1600	PN16	1690-1730	494
8006-00-295-001113500	1800	PN10	1720-1760	485
8006-00-295-001314000	1800	PN16	1720-1760	531
8006-00-300-001113500	1800	PN10	1750-1790	487
8006-00-300-001314000	1800	PN16	1750-1790	534
8006-00-305-001113500	1800	PN10	1780-1820	490
8006-00-305-001314000	1800	PN16	1780-1820	537
8006-00-310-001113500	1800	PN10	1810-1850	493
8006-00-310-001314000	1800	PN16	1810-1850	539
8006-00-315-001113500	1800	PN10	1840-1880	495
8006-00-315-001314000	1800	PN16	1840-1880	541
8006-00-320-001113500	1800	PN10	1870-1910	497
8006-00-320-001314000	1800	PN16	1870-1910	543
8006-00-325-001114500	2000	PN10	1900-1940	570
8006-00-325-001315000	2000	PN16	1900-1940	639
8006-00-330-001114500	2000	PN10	1930-1970	572
8006-00-330-001315000	2000	PN16	1930-1970	641
8006-00-335-001114500	2000	PN10	1960-2000	574
8006-00-335-001315000	2000	PN16	1960-2000	643
8006-00-340-001114500	2000	PN10	1990-2030	581
8006-00-340-001315000	2000	PN16	1990-2030	651
8006-00-345-001114500	2000	PN10	2020-2060	584
8006-00-345-001315000	2000	PN16	2020-2060	653
8006-00-350-001114500	2000	PN10	2050-2090	586
8006-00-350-001315000	2000	PN16	2050-2090	655

745/01-111

Repico® G
Grip type coupling
Tensile/axial restraint
For metal pipes
Stainless steel
EPDM drinking water approved

AVK ref. no.	DN	Tolerance	Pipe dia.	Working	Theoretical
	mm	mm	mm	Pressure bar	weight/kg
745-01-0020-11101 (1)	15	19,5 - 20,5	20,0	42.7	0.2
745-01-0021-11101	15	21,2 - 22,2	21,3	42.7	0.2
745-01-0025-11101	20	24,5 - 25,5	25,0	42.7	0.3
745-01-0027-11101	20	26,7 - 27,7	26,7	42.7	0.3
745-01-0028-11101	25	27,5 - 29,0	28,2	42.7	0.4
745-01-0030-11101	25	29,5 - 30,5	30,0	42.7	0.4
745-01-0032-11101	25	31,5 - 32,5	32,0	42.7	0.4
745-01-0034-11101	25	33,0 - 34,6	33,4	42.7	0.4
745-01-0038-11101	32	37,5 - 38,5	38,0	42.7	0.4
745-01-0040-11101	32	39,5 - 41,5	40,0	42.7	0.4
745-01-0042-11101	32	41,9 - 43,0	42,2	42.7	0.4
745-01-0044-11101	32	44,0 - 45,0	44,5	42.7	0.4
745-01-0048-11101	40	47,8 - 49,0	48,3	42.7	0.4
745-01-0050-11101	50	49,5 - 51,5	50,8	42.7	0.4
745-01-0054-11101	50	53,4 - 54,6	54,0	42.7	0.7
745-01-0057-11101	50	56,4 - 57,6	57,0	42.7	0.7
745-01-0060-11101	50	59,0 - 61,5	60,3	42.7	0.7
745-01-0063-11101	50	62,4 - 63,6	63,0	42.7	0.7
745-01-0066-11101	65	65,2 - 67,3	66,7	37.3	0.7
745-01-0069-11101	65	68,0 - 70,1	69,0	37.3	0.7
745-01-0073-11101	65	71,5 - 74,1	73,0	37.3	0.8
745-01-0076-11101	65	75,0 - 77,2	76,1	37.3	0.8
745-01-0079-11101	80	78,8 - 80,8	79,9	37.3	1.4
745-01-0084-11101	80	83,0 - 84,9	84,0	37.3	1.4
745-01-0089-11101	80	87,8 - 91,0	88,9	37.3	1.5
745-01-0101-11101	100	100,4 - 102,0	101,6	37.3	1.5
745-01-0104-11101	100	103,0 - 104,0	104,0	37.3	1.6
745-01-0106-11101	100	105,0 - 107,0	106,3	37.3	1.6
745-01-0108-11101	100	106,5 - 108,0	108,0	37.3	1.6
745-01-0114-11101	100	113,2 - 115,0	114,3	37.3	1.7
745-01-0127-11101	125	125,6 - 128,0	127,0	37.3	2.1
745-01-0129-11101	115	127,5 - 130,0	129,0	37.3	2.1
745-01-0133-11101	125	131,6 - 134,0	131,7	37.3	2.1
745-01-0139-11101	125	137,7 - 140,0	139,7	37.3	2.2
745-01-0141-11101	125	139,7 - 142,0	141,3	37.3	2.2
745-01-0154-11101	150	151,5 - 155,0	154,0	32	2.3
745-01-0159-11101	150	156,5 - 160,0	157,7	32	2.3
745-01-0165-11101	150	163,3 - 166,0	165,2	32	2.4
745-01-0168-11101	150	166,6 - 170,0	168,3	32	2.4
745-01-0180-11101	175	178,0 - 182,0	180,0	26.7	2.5
745-01-0200-11101	200	198,2 - 201,0	200,0	21.3	4.6
745-01-0204-11101	200	202,7 - 206,0	204,0	21.3	4.7
745-01-0216-11101	200	214,5 - 218,0	216,3	21.3	4.8
745-01-0219-11101	200	217,0 - 221,0	219,1	21.3	4.9
745-01-0254-11101	225	251,4 - 256,0	254,0	21.3	5.3
745-01-0267-11101	250	264,8 - 270,0	267,4	21.3	5.5
745-01-0273-11101	250	270,4 - 275,0	273,0	21.3	5.6
745-01-0304-11101	275	301,5 - 306,0	304,0	18.7	6.0
745-01-0318-11101	300	316,0 - 322,0	318,5	18.7	6.2
745-01-0323-11101	300	321,0 - 327,0	323,9	18.7	6.3
745-01-0355-11101	350	352,0 - 360,0	355,6	18.7	6.7
745-01-0406-11101	400	402,0 - 410,0	406,4	16	7.4

(1) Work press.(bar): Working pressure for industrial and bases applications: minimum burst pressure is 1,5 x PN. Work press. Marine (bar): Working Pressure for marine application: minimum burst pressure is 4 x PN

745/01-112

Repico® G
Grip type coupling
Tensile / axial restraint
For metal pipes
Stainless steel
NBR rubber

AVK ref. no.	DN	Tolerance	Pipe dia.	Working	Theoretical
	mm	mm	mm	Pressure bar	weight/kg
745-01-0020-11201 (1)	15	19,5 - 20,5	20,0	42.7	0.2
745-01-0021-11201	15	21,2 - 22,2	21,3	42.7	0.2
745-01-0025-11201	20	24,5 - 25,5	25,0	42.7	0.3
745-01-0027-11201	20	26,7 - 27,7	26,7	42.7	0.3
745-01-0028-11201	25	27,5 - 29,0	28,2	42.7	0.4
745-01-0030-11201	25	29,5 - 30,5	30,0	42.7	0.4
745-01-0032-11201	25	31,5 - 32,5	32,0	42.7	0.4
745-01-0034-11201	25	33,0 - 34,6	33,4	42.7	0.4
745-01-0038-11201	32	37,5 - 38,5	38,0	42.7	0.4
745-01-0040-11201	32	39,5 - 41,5	40,0	42.7	0.4
745-01-0042-11201	32	41,9 - 43,0	42,2	42.7	0.4
745-01-0044-11201	32	44,0 - 45,0	44,5	42.7	0.4
745-01-0048-11201	40	47,8 - 49,0	48,3	42.7	0.4
745-01-0050-11201	50	49,5 - 51,5	50,8	42.7	0.4
745-01-0054-11201	50	53,4 - 54,6	54,0	42.7	0.7
745-01-0057-11201	50	56,4 - 57,6	57,0	42.7	0.7
745-01-0060-11201	50	59,0 - 61,5	60,3	42.7	0.7
745-01-0063-11201	50	62,4 - 63,6	63,0	42.7	0.7
745-01-0066-11201	65	65,2 - 67,3	66,7	37.3	0.7
745-01-0069-11201	65	68,0 - 70,1	69,0	37.3	0.7
745-01-0073-11201	65	71,5 - 74,1	73,0	37.3	0.8
745-01-0076-11201	65	75,0 - 77,2	76,1	37.3	0.8
745-01-0079-11201	80	78,8 - 80,8	79,9	37.3	1.4
745-01-0084-11201	80	83,0 - 84,9	84,0	37.3	1.4
745-01-0089-11201	80	87,8 - 91,0	88,9	37.3	1.5
745-01-0101-11201	100	100,4 - 102,0	101,6	37.3	1.5
745-01-0104-11201	100	103,0 - 104,0	104,0	37.3	1.6
745-01-0106-11201	100	105,0 - 107,0	106,3	37.3	1.6
745-01-0108-11201	100	106,5 - 108,0	108,0	37.3	1.6
745-01-0114-11201	100	113,2 - 115,0	114,3	37.3	1.7
745-01-0127-11201	125	125,6 - 128,0	127,0	37.3	2.1
745-01-0129-11201	115	127,5 - 130,0	129,0	37.3	2.1
745-01-0133-11201	125	131,6 - 134,0	131,7	37.3	2.1
745-01-0139-11201	125	137,7 - 140,0	139,7	37.3	2.2
745-01-0141-11201	125	139,7 - 142,0	141,3	37.3	2.2
745-01-0154-11201	150	151,5 - 155,0	154,0	32	2.3
745-01-0159-11201	150	156,5 - 160,0	157,7	32	2.3
745-01-0165-11201	150	163,3 - 166,0	165,2	32	2.4
745-01-0168-11201	150	166,6 - 170,0	168,3	32	2.4
745-01-0180-11201	175	178,0 - 182,0	180,0	26.7	2.5
745-01-0200-11201	200	198,2 - 201,0	200,0	21.3	4.6
745-01-0204-11201	200	202,7 - 206,0	204,0	21.3	4.7
745-01-0216-11201	200	214,5 - 218,0	216,3	21.3	4.8
745-01-0219-11201	200	217,0 - 221,0	219,1	21.3	4.9
745-01-0254-11201	225	251,4 - 256,0	254,0	21.3	5.3
745-01-0267-11201	250	264,8 - 270,0	267,4	21.3	5.5
745-01-0273-11201	250	270,4 - 275,0	273,0	21.3	5.6
745-01-0304-11201	275	301,5 - 306,0	304,0	18.7	6.0
745-01-0318-11201	300	316,0 - 322,0	318,5	18.7	6.2
745-01-0323-11201	300	321,0 - 327,0	323,9	18.7	6.3
745-01-0355-11201	350	352,0 - 360,0	355,6	18.7	6.7
745-01-0406-11201	400	402,0 - 410,0	406,4	16	7.4

(1) Work press.(bar): Working pressure for industrial and bases applications: minimum burst pressure is 1,5 x PN. Work press. Marine (bar): Working Pressure for marine application: minimum burst pressure is 4 x PN

265/30-001

Dismantling joint PN10
Steel
EPDM rubber
Epoxy coated according to WIS 4-52-01 class B

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
265-30-0300-01	300	PN10	67
265-30-0350-01	350	PN10	77
265-30-0400-01	400	PN10	88
265-30-0450-01	450	PN10	100
265-30-0500-01	500	PN10	109
265-30-0600-01	600	PN10	146
265-30-0700-01	700	PN10	177
265-30-0800-01	800	PN10	217
265-30-1000-01	1000	PN10	310
265-30-1200-01	1200	PN10	398

265/30-002

Dismantling joint PN16
Steel
EPDM rubber

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
265-30-0050-11	50	PN10/16	11
265-30-0080-11	80	PN10/16	15
265-30-0100-11	100	PN10/16	19
265-30-0150-11	150	PN10/16	26
265-30-0200-11	200	PN16	30
265-30-0250-11	250	PN16	43
265-30-0300-11	300	PN16	68
265-30-0350-11	350	PN16	80
265-30-0400-11	400	PN16	104
265-30-0450-11	450	PN16	121
265-30-0500-11	500	PN16	149
265-30-0600-11	600	PN16	186
265-30-0700-11	700	PN16	203
265-30-0800-11	800	PN16	233
265-30-0900-11	900	PN16	261
265-30-1000-11	1000	PN16	356
265-30-1200-11	1200	PN16	481
265-30-1600-11	1600	PN16	700

265/50-001

Dismantling joint with tie rods (of zinc plated and passivated steel 8.8) & centre flange (of mild steel)
Ductile Iron
EPDM rubber
Blue epoxy RAL 5017 300 µm

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
265-50-0050-11	50	PN10/16	13
265-50-0065-11	65	PN10/16	16
265-50-0080-11	80	PN10/16	20
265-50-0100-11	100	PN10/16	25
265-50-0125-11	125	PN10/16	29
265-50-0150-11	150	PN10/16	36
265-50-0200-01	200	PN10	52
265-50-0200-11	200	PN16	56
265-50-0250-01	250	PN10	73
265-50-0250-11	250	PN16	78

265/50-002

Dismantling joint with tie rods (of zinc plated and passivated steel 8.8) & centre flange (of mild steel)

Steel

EPDM rubber

Epoxy coated according to WIS 4-52-01 class B

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
265-50-0300-01	300	PN10	72
265-50-0300-11	300	PN16	85
265-50-0350-01	350	PN10	93
265-50-0400-01	400	PN10	127
265-50-0400-11	400	PN16	156
265-50-0450-01	450	PN10	172
265-50-0450-11	450	PN16	213
265-50-0500-01	500	PN10	181
265-50-0500-11	500	PN16	273
265-50-0600-01	600	PN10	210
265-50-0600-11	600	PN16	342
265-50-0700-01	700	PN10	268
265-50-0700-11	700	PN16	342
265-50-0800-01	800	PN10	405
265-50-0800-11	800	PN16	499
265-50-1000-01	1000	PN10	688
265-50-1200-01	1200	PN10	880

873/00-001

Dismantling joint with tie rods and intermediate flange - PN10/16

Ductile Iron

EPDM rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
873-0040-00-141000	40	PN16	8.0
873-0050-00-141000	50	PN16	11
873-0065-00-141000	65	PN16	15
873-0080-00-141000	80	PN16	17
873-0100-00-141000	100	PN16	19
873-0125-00-141000	125	PN16	23
873-0150-00-141000	150	PN16	30
873-0200-00-041000	200	PN10	40
873-0200-00-141000	200	PN16	44
873-0250-00-041000	250	PN10	54
873-0250-00-141000	250	PN16	63
873-0300-00-041000	300	PN10	62
873-0300-00-141000	300	PN16	76
873-0350-00-041000	350	PN10	89
873-0350-00-141000	350	PN16	107
873-0400-00-041000	400	PN10	113
873-0400-00-141000	400	PN16	137
873-0450-00-041000	450	PN10	132
873-0450-00-141000	450	PN16	163
873-0500-00-041000	500	PN10	146
873-0500-00-141000	500	PN16	212
873-0600-00-041000	600	PN10	184
873-0600-00-141000	600	PN16	288
873-0700-00-041000	700	PN10	226
873-0700-00-141000	700	PN16	302
873-0800-00-041000	800	PN10	308
873-0800-00-141000	800	PN16	399
873-0900-00-041000	900	PN10	350
873-0900-00-141000	900	PN16	463
873-1000-00-041000	1000	PN10	419
873-1000-00-141000	1000	PN16	600
873-1200-00-041000	1200	PN10	632
873-1400-00-041000	1400	PN10	836
873-1400-00-141000	1400	PN16	1114
873-1500-00-041000	1500	PN10	899
873-1500-00-141000	1500	PN16	1476
873-1600-00-041000	1600	PN10	1248
873-1600-00-141000	1600	PN16	1671
873-1800-00-041000	1800	PN10	2350
873-1800-00-141000	1800	PN16	2520
873-2000-00-041000	2000	PN10	2650
873-2000-00-141000	2000	PN16	3168
873-2200-00-041000	2200	PN10	3320
873-2200-00-141000	2200	PN16	3750
873-2400-00-041000	2400	PN10	3950
873-2400-00-141000	2400	PN16	4345
873-2600-00-041000	2600	PN10	4543
873-2600-00-141000	2600	PN16	4997

873/00-002

Dismantling joint with tie rods and intermediate flange - PN25

Ductile Iron

EPDM rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
873-0040-00-741000	40	PN25	8.0
873-0050-00-741000	50	PN25	11
873-0065-00-741000	65	PN25	16
873-0080-00-741000	80	PN25	17
873-0100-00-741000	100	PN25	26
873-0150-00-741000	150	PN25	40
873-0200-00-741000	200	PN25	60
873-0250-00-741000	250	PN25	82
873-0300-00-741000	300	PN25	108
873-0350-00-741000	350	PN25	158
873-0400-00-741000	400	PN25	199
873-0450-00-741000	450	PN25	227
873-0500-00-741000	500	PN25	249
873-0600-00-741000	600	PN25	348
873-0700-00-741000	700	PN25	452
873-0800-00-741000	800	PN25	629
873-0900-00-741000	900	PN25	786
873-1000-00-741000	1000	PN25	850
873-1200-00-741000	1200	PN25	1300

748/01-1111

FS10 - Single band stainless steel repair clamp
Fingers
Vulcanized spannerplate
Stainless steel
NBR rubber

AVK ref. no.	T mm	L12 mm	Bolts (no x M x L)
748-01-004010-1111	40 - 45	100	1XM12X150
748-01-004020-1111	40 - 45	200	2XM12X150
748-01-004410-1111	44 - 50	100	1XM12X150
748-01-004710-1111	47 - 53	100	1XM12X150
748-01-004720-1111	47 - 53	200	2XM12X150
748-01-005210-1111	52 - 59	100	1XM12X150
748-01-005220-1111	52 - 59	200	2XM12X150
748-01-005410-1111	54 - 61	100	1XM12X150
748-01-005810-1111	58 - 65	100	1XM12X150
748-01-005820-1111	58 - 65	200	2XM12X150
748-01-005830-1111	58 - 65	300	3XM12X150
748-01-006010-1111	60 - 67	100	1XM12X150
748-01-006020-1111	60 - 67	200	2XM12X150
748-01-006030-1111	60 - 67	300	3XM12X150
748-01-006710-1111	67 - 74	100	1XM12X150
748-01-006730-1111	67 - 74	300	3XM12X150
748-01-007010-1111	70 - 77	100	1XM12X150
748-01-007020-1111	70 - 77	200	2XM12X150
748-01-007310-1111	73 - 80	100	1XM12X150
748-01-007320-1111	73 - 80	200	2XM12X150
748-01-007330-1111	73 - 80	300	3XM12X150
748-01-007610-1111	76 - 83	100	1XM12X150
748-01-007630-1111	76 - 83	300	3XM12X150
748-01-008210-1111	82 - 89	100	1XM12X150
748-01-008220-1111	82 - 89	200	2XM12X150
748-01-008230-1111	82 - 89	300	3XM12X150
748-01-008710-1111	87 - 94	100	1XM12X150
748-01-008715-1111	87 - 94	150	2XM12X150
748-01-008720-1111	87 - 94	200	2XM12X150
748-01-008730-1111	87 - 94	300	3XM12X150
748-01-009510-1111	95 - 102	100	1XM12X150
748-01-009820-1111	98 - 108	200	2XM12X150
748-01-009830-1111	98 - 108	300	3XM12X150
748-01-010210-1111	102 - 112	100	1XM12X150
748-01-010610-1111	106 - 116	100	1XM12X150
748-01-010810-1111	108 - 118	100	1XM12X150
748-01-010820-1111	108 - 118	200	2XM12X150
748-01-011310-1111	113 - 123	100	1XM12X150
748-01-011350-1111	113 - 123	500	5XM12X150
748-01-011810-1111	118 - 128	100	1XM12X150
748-01-012010-1111	120 - 131	100	1XM12X150
748-01-012060-1111	120 - 131	600	6XM12X150
748-01-012510-1111	125 - 136	100	1XM12X150
748-01-013510-1111	135 - 145	100	1XM14X180
748-01-013920-1111	139 - 150	200	2XM14X180
748-01-014410-1111	144 - 155	100	1XM14X180
748-01-015110-1111	151 - 161	100	1XM14X180
748-01-015910-1111	159 - 170	100	1XM14X180
748-01-016510-1111	165 - 175	100	1XM14X180
748-01-016740-1111	167 - 177	400	4XM14X180
748-01-019310-1111	193 - 203	100	1XM14X180
748-01-020010-1111	200 - 210	100	1XM14X180
748-01-020910-1111	209 - 220	100	1XM14X180
748-01-024310-1111	243 - 254	100	1XM14X180

748/01-1211

FS10- Single band stainless steel repair clamp
Fingers
Vulcanized spanner plate
Stainless steel
EPDM rubber

AVK ref. no.	T mm	L12 mm	Bolts (no x M x L)	Theoretical weight/kg
748-01-004010-1211	40 - 45	100	1XM12X150	0.8
748-01-004015-1211	40 - 45	150	2XM12X150	1.4
748-01-004020-1211	40 - 45	200	2XM12X150	1.6
748-01-004410-1211	44 - 50	100	1XM12X150	0.8
748-01-004415-1211	44 - 50	150	2XM12X150	1.4
748-01-004420-1211	44 - 50	200	2XM12X150	1.7
748-01-004710-1211	47 - 53	100	1XM12X150	0.9
748-01-004715-1211	47 - 53	150	2XM12X150	1.5

748/01-1211

FS10- Single band stainless steel repair clamp
Fingers
Vulcanized spanner plate
Stainless steel
EPDM rubber

AVK ref. no.	T	L12	Bolts	Theoretical
	mm	mm	(no x M x L)	weight/kg
748-01-004720-1211	47 - 53	200	2XM12X150	1.8
748-01-005215-1211	52 - 59	150	2XM12X150	1.5
748-01-005220-1211	52 - 59	200	2XM12X150	1.8
748-01-005230-1211	52 - 59	300	3XM12X150	2.7
748-01-005410-1211	54 - 61	100	1XM12X150	0.9
748-01-005810-1211	58 - 65	100	1XM12X150	0.9
748-01-005820-1211	58 - 65	200	2XM12X150	1.8
748-01-005830-1211	58 - 65	300	3XM12X150	2.7
748-01-006010-1211	60 - 67	100	1XM12X150	0.9
748-01-006020-1211	60 - 67	200	2XM12X150	1.8
748-01-006025-1211	60 - 67	250	3XM12X150	2.5
748-01-006030-1211	60 - 67	300	3XM12X150	2.8
748-01-006315-1211	63 - 70	150	2XM12X150	1.6
748-01-006320-1211	63 - 70	200	2XM12X150	1.9
748-01-006340-1211	63 - 70	400	4xM12x150	3.2
748-01-006720-1211	67 - 74	200	2XM12X150	1.9
748-01-007020-1211	70 - 77	200	2XM12X150	1.9
748-01-007030-1211	70 - 77	300	3XM12X150	2.9
748-01-007315-1211	73 - 80	150	2XM12X150	1.6
748-01-007320-1211	73 - 80	200	2XM12X150	1.9
748-01-007325-1211	73 - 80	250	3XM12X150	2.6
748-01-007330-1211	73 - 80	300	3XM12X150	2.9
748-01-007620-1211	76 - 83	200	2XM12X150	2.0
748-01-007630-1211	76 - 83	300	3XM12X150	3.0
748-01-008220-1211	82 - 89	200	2XM12X150	2.0
748-01-008715-1211	87 - 94	150	2XM12X150	1.7
748-01-008720-1211	87 - 94	200	2XM12X150	2.0
748-01-008730-1211	87 - 94	300	3XM12X150	3.1
748-01-009115-1211	91 - 98	150	2XM12X150	1.7
748-01-009120-1211	91 - 98	200	2XM12X150	2.0
748-01-009515-1211	95 - 102	150	2XM12X150	1.8
748-01-009820-1211	98 - 108	200	2XM12X150	2.1
748-01-009830-1211	98 - 108	300	3XM12X150	3.2
748-01-010215-1211	102 - 112	150	2XM12X150	1.8
748-01-010220-1211	102 - 112	200	2XM12X150	2.1
748-01-010225-1211	102 - 112	250	3XM12X150	2.9
748-01-010615-1211	106 - 116	150	2XM12X150	1.8
748-01-010625-1211	106 - 116	250	3XM12X150	2.9
748-01-010630-1211	106 - 116	300	3XM12X150	3.3
748-01-010815-1211	108 - 118	150	2XM12X150	1.8
748-01-010820-1211	108 - 118	200	2XM12X150	2.2
748-01-010830-1211	108 - 118	300	3XM12X150	3.3
748-01-011320-1211	113 - 123	200	2XM12X150	2.2
748-01-011330-1211	113 - 123	300	3XM12X150	3.3
748-01-011820-1211	118 - 128	200	2XM12X150	2.2
748-01-012030-1211	120 - 131	300	3XM12X150	3.4
748-01-013220-1211	132 - 142	200	2XM14X180	2.3
748-01-013525-1211	135 - 145	250	3XM14X180	3.2
748-01-014410-1211	144 - 155	100	1XM14X180	1.2
748-01-014420-1211	144 - 155	200	2XM14X180	2.4
748-01-015120-1211	151 - 161	200	2XM14X180	2.5
748-01-015920-1211	159 - 170	200	2XM14X180	2.5
748-01-015925-1211	159 - 170	250	3XM14X180	3.4
748-01-016515-1211	165 - 175	150	2XM14X180	2.2
748-01-016520-1211	165 - 175	200	2XM14X180	2.6
748-01-016525-1211	165 - 175	250	3XM14X180	3.5
748-01-016530-1211	165 - 175	300	3XM14X180	4.0
748-01-016725-1211	167 - 177	250	3XM14X180	3.5
748-01-018025-1211	180 - 191	250	3XM14X180	3.5
748-01-019325-1211	193 - 203	250	3XM14X180	3.6
748-01-021525-1211	215 - 225	250	3XM14X180	4.6
748-01-021530-1211	215 - 225	300	3XM14X180	5.3
748-01-027330-1211	273 - 283	300	3XM16X180	6.3
748-01-034030-1211	340 - 350	300	3XM16X180	6.8

748/02-1111

FS20 - Double band stainless steel repair clamp
Fingers
Vulcanized spannerplate
Stainless steel
NBR rubber

AVK ref. no.	T mm	L12 mm	Bolts (no x M x L)
748-02-025030-1111	250 - 270	300	6XM14X180
748-02-031530-1111	315 - 335	300	6XM16X180
748-02-039040-1111	390 - 410	400	8xM16x180

748/02-1211

FS20 - Double band stainless steel repair clamp
Fingers
Vulcanized spanner plate
Stainless steel
EPDM rubber

AVK ref. no.	T mm	L12 mm	Bolts (no x M x L)	Theoretical weight/kg
748-02-008815-1211	88 - 110	150	4XM14X180	3.0
748-02-008820-1211	88 - 110	200	4XM14X180	3.6
748-02-008825-1211	88 - 110	250	6XM14X180	4.9
748-02-008830-1211	88 - 110	300	6XM14X180	5.4
748-02-008840-1211	88 - 110	400	8XM14X180	7.2
748-02-010060-1211	100 - 120	600	12XM14X180	12
748-02-010525-1211	105 - 125	250	6XM14X180	5.2
748-02-010530-1211	105 - 125	300	6XM14X180	5.8
748-02-010540-1211	105 - 125	400	8XM14X180	7.7
748-02-010820-1211	108 - 128	200	4XM14X180	3.8
748-02-010825-1211	108 - 128	250	6XM14X180	5.2
748-02-010830-1211	108 - 128	300	6XM14X180	5.8
748-02-010840-1211	108 - 128	400	8XM14X180	7.7
748-02-010850-1211	108 - 128	500	10XM14X180	9.7
748-02-011430-1211	114 - 136	300	6XM14X180	5.8
748-02-013025-1211	130 - 150	250	6XM14X180	5.3
748-02-013030-1211	130 - 150	300	6XM14X180	5.8
748-02-013530-1211	135 - 155	300	6XM14X180	5.9
748-02-014025-1211	140 - 160	250	6XM14X180	5.4
748-02-014030-1211	140 - 160	300	6XM14X180	6.0
748-02-014040-1211	140 - 160	400	8XM14X180	7.9
748-02-014050-1211	140 - 160	500	10XM14X180	10.0
748-02-015920-1211	159 - 180	200	4XM14X180	4.1
748-02-015925-1211	159 - 180	250	6XM14X180	5.5
748-02-015930-1211	159 - 180	300	6XM14X180	6.2
748-02-015940-1211	159 - 180	400	8XM14X180	8.2
748-02-015950-1211	159 - 180	500	10XM14X180	10
748-02-015960-1211	159 - 180	600	12XM14X180	12
748-02-016530-1211	165 - 186	300	6XM14X180	6.2
748-02-016550-1211	165 - 186	500	10XM14X180	10
748-02-017630-1211	176 - 196	300	6XM14X180	6.3
748-02-019020-1211	190 - 210	200	4XM14X180	4.3
748-02-019030-1211	190 - 210	300	6XM14X180	6.5
748-02-021020-1211	210 - 230	200	4XM14X180	4.4
748-02-021030-1211	210 - 230	300	6XM14X180	6.7
748-02-021040-1211	210 - 230	400	8XM14X180	8.8
748-02-021060-1211	210 - 230	600	12XM14X180	13
748-02-021520-1211	215 - 238	200	4XM14X180	4.4
748-02-021530-1211	215 - 238	300	6XM14X180	6.7
748-02-021540-1211	215 - 238	400	8XM14X180	8.9
748-02-021550-1211	215 - 238	500	10XM14X180	11
748-02-022530-1211	225 - 246	300	6XM14X180	6.9
748-02-022540-1211	225 - 246	400	8XM14X180	9.1
748-02-023040-1211	230 - 250	400	8XM14X180	9.1
748-02-024020-1211	240 - 260	200	4XM14X180	4.7
748-02-024030-1211	240 - 260	300	6XM14X180	7.0
748-02-024040-1211	240 - 260	400	8XM14X180	9.3
748-02-025030-1211	250 - 270	300	6XM14X180	7.1
748-02-026330-1211	263 - 285	300	6XM14X180	7.3
748-02-026340-1211	263 - 285	400	8XM14X180	9.6
748-02-026350-1211	263 - 285	500	10XM14X180	12
748-02-026920-1211	269 - 289	200	4XM14X180	4.8
748-02-026930-1211	269 - 289	300	6XM14X180	7.3
748-02-026940-1211	269 - 289	400	8XM14X180	9.7
748-02-027330-1211	273 - 293	300	6XM16X180	8.2
748-02-027340-1211	273 - 293	400	8XM16X180	11

748/02-1211

FS20 - Double band stainless steel repair clamp
Fingers
Vulcanized spanner plate
Stainless steel
EPDM rubber

AVK ref. no.	T	L12	Bolts	Theoretical
	mm	mm	(no x M x L)	weight/kg
748-02-028220-1211	282 - 302	200	4XM16X180	5.5
748-02-028240-1211	282 - 302	400	8XM16X180	11
748-02-029530-1211	295 - 315	300	6XM16X180	8.4
748-02-029550-1211	295 - 315	500	10XM16X180	14
748-02-031530-1211	315 - 335	300	6XM16X180	8.7
748-02-031540-1211	315 - 335	400	8XM16X180	12
748-02-031550-1211	315 - 335	500	10XM16X180	14
748-02-032230-1211	322 - 344	300	6XM16X180	8.8
748-02-032240-1211	322 - 344	400	8XM16X180	12
748-02-032250-1211	322 - 344	500	10XM16X180	15
748-02-033730-1211	337 - 361	300	6XM16X180	8.9
748-02-033750-1211	337 - 361	500	10XM16X180	15
748-02-034740-1211	347 - 370	400	8XM16X180	12
748-02-034750-1211	347 - 370	500	10XM16X180	15
748-02-034760-1211	347 - 370	600	12XM16X180	19
748-02-036530-1211	365 - 385	300	6XM16X180	9.3
748-02-036540-1211	365 - 385	400	8XM16X180	12
748-02-036550-1211	365 - 385	500	10XM16X180	16
748-02-039040-1211	390 - 410	400	8XM16X180	13
748-02-039625-1211	396 - 420	250	6XM16X180	8.5
748-02-039630-1211	396 - 420	300	6XM16X180	9.6
748-02-039640-1211	396 - 420	400	8XM16X180	13
748-02-039650-1211	396 - 420	500	10XM16X180	16
748-02-041025-1211	410 - 430	250	6XM16X180	8.6
748-02-041040-1211	410 - 430	400	8XM16X180	13
748-02-042030-1211	420 - 440	300	6XM16X180	12
748-02-042040-1211	420 - 440	400	8XM16X180	16
748-02-042050-1211	420 - 440	500	10XM16X180	20
748-02-042060-1211	420 - 440	600	12XM16X180	24
748-02-044050-1211	440 - 465	500	10XM16X180	23
748-02-045050-1211	450 - 470	500	10XM16X180	23
748-02-049060-1211	490 - 510	600	12XM16X180	28
748-02-050530-1211	505 - 530	300	6XM16X180	14
748-02-050540-1211	505 - 530	400	8XM16X180	19
748-02-050550-1211	505 - 530	500	10XM16X180	24
748-02-050560-1211	505 - 530	600	12XM16X180	29
748-02-052040-1211	520 - 540	400	8XM16X180	19
748-02-052050-1211	520 - 540	500	10XM16X180	24
748-02-052060-1211	520 - 540	600	12XM16X180	29
748-02-052530-1211	525 - 550	300	6XM16X180	15
748-02-054050-1211	540 - 565	500	10XM16X180	25
748-02-059060-1211	590 - 610	600	12XM16X180	31
748-02-060560-1211	605 - 630	600	12XM16X180	31

748

Repair box
With 6 or 10 elements

AVK ref. no.	Range	Length	Elements
	mm	mm	
729-5063001001 [1]	86-768	300	A-F
729-5064001001 [1]	86-768	400	A-F
729-5065001001 [1]	86-768	500	A-F
729-5066001001 [1]	86-768	600	A-F
729-5103001001 [2]	86-1475	300	A-J
729-5104001001 [2]	86-1475	400	A-J
729-5105001001 [2]	86-1475	500	A-J
729-5106001001 [2]	86-1475	600	A-J

[1] Empty box. You must add the AVK ref.no. of the 6 elements A-B-C-D-E-F
[2] Empty box. You must add the AVK ref.no. of the 10 elements A-B-C-D-E-F-G-H-I-J

748/11-1111

Repair box with 6 or 10 stainless steel elements
Fingers
Vulcanized spanner plate
Stainless steel
NBR rubber

AVK ref. no.	W	L12
	mm	mm
748-11-030030-1111	300	300
748-11-030040-1111	400	300
748-11-030050-1111	500	500
748-11-030060-1111	600	600
748-11-032030-1111	300	320
748-11-032040-1111	400	320
748-11-032060-1111	600	320
748-11-035030-1111	300	350
748-11-035050-1111	500	350
748-11-035060-1111	600	350
748-11-0380-301111	300	380
748-11-038040-1111	400	380
748-11-038050-1111	500	380
748-11-038060-1111	600	380
748-11-041030-1111	300	410
748-11-041060-1111		600
748-11-044030-1111	300	440
748-11-044040-1111	400	440
748-11-044050-1111	500	440
748-11-044060-1111	600	440
748-11-047030-1111	300	470
748-11-047050-1111	500	470
748-11-047060-1111	600	470
748-11-050030-1111	300	500
748-11-050050-1111	500	500
748-11-050060-1111		600
748-11-054030-1111	300	540
748-11-054040-1111	400	540
748-11-054050-1111	500	540
748-11-054060-1111	600	540
748-11-0640-301111	300	640
748-11-064040-1111	400	640
748-11-064060-1111	600	640

SURFACE BOXES

AVK offers a comprehensive range of surface boxes in various designs and material combinations.

Surface boxes of ductile iron are available in fixed, floating and fixed/floating reversible design. The reversible surface box allows for deflection and internal fixation of telescopic extension spindles from both ends.

Synthetic surface boxes are lightweight, maintenance- and corrosion-free, noise-absorbing and 100% recyclable. They are available in fixed height and height adjustable designs in many different executions.

04/10-001

Fixed surface box
Distance ring and square of ductile iron
Cast iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	H mm	D mm	Dd mm	Theoretical weight/kg
04-00051-00052-00 (1)	190	195	83	6.3
04-00051-00066-00 (2)	190	195	83	6.3
04-00051-00069-00 (3)	190	195	83	6.3
04-000-52-00 (4)				1.8
04-000-52-08 (5)				1.8
04-000-66-00 (2)				1.8
04-001-53-00 (6)	10	-	83	1.0
04-001-54-00 (6)	20	-	83	0.8
04-001-55-00 (6)	30		83	1.1
04-001-56-00 (6)	40		83	1.4
04-001-57-00 (6)	50	-	83	1.9
04-013-54-00 (7)				1.5

(1) Complete surface box, lid inscription "VAND" (without distance ring)
(2) Lid inscription "GAS - AVK"
(3) Lid inscription "Water - AVK"
(4) Lid inscription "VAND - AVK"
(5) Lid inscription "VAND - AVK", black primer
(6) Distance ring, blue epoxy
(7) Distance square, blue epoxy

04/11-001

Floating surface box
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	H mm	D mm	Dd mm	Theoretical weight/kg
04-00060-00052-00 (1)	130	200	80	3.7
04-00060-00069-00 (2)	130	200	80	3.7
04-00260-00262-00 (1)	150	240	120	6.4
04-00260-00264-00 (3)	150	240	120	6.4

(1) Lid inscription "VAND - AVK"
(2) Lid inscription "Water - AVK"
(3) Lid inscription "GAS - AVK"

04/12-001

Universal surface box
Reversible fixed/floating design
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	H3 mm	L mm	Theoretical weight/kg
04-003-51-000 (1)	224	235	11
04-003-53-00 (2)	15	132	0.3
04-003-59 (3)	50	60	0.1
04-003-62-00 (4)			2.4
04-003-69-000 (5)	224	235	11

(1) Complete surface box, lid inscription "VAND" (without distance ring)
(2) Distance ring, blue epoxy
(3) Fixation plate
(4) Lid inscription "VAND - AVK"
(5) Complete surface box inscription lid "WATER" (without distance ring)

04/007-001

Floating surface box with ductile iron flange and lid
Polyamide
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	H3 mm	L mm	Theoretical weight/kg
04-007-25-05900 (1)	180	210	4.3
04-007-25-10900 (2)	180	180	4.3
04-007-75-06900 (3)	180	210	4.3
04-007-75-11900 (4)	180	210	4.3

(1) Round flange (ø 210 mm), round lid inscr. "V" and AVK logo
(2) Square flange (# 180 mm), round lid inscr. "V" and AVK logo
(3) Round flange (ø 210 mm), square lid inscr. "V" and AVK logo
(4) Square flange (# 210 mm), square lid inscr. "V" and AVK logo

04/007-002

Floating surface box with ductile iron flange and lid
Polyamide
Black primer

AVK ref. no.	H3 mm	L mm	Theoretical weight/kg
04-007-25-05908 (1)	180	210	4.3
04-007-25-10908 (2)	180	180	4.3
04-007-75-06908 (3)	180	210	4.3
04-007-75-11908 (4)	180	210	4.3
04-907-25-05908 (5)	180	210	4.3

(1) Round flange (ø 210 mm), round lid inscr. "V" and AVK logo
(2) Square flange (# 180 mm), round lid inscr. "V" and AVK logo
(3) Round flange (ø 210 mm), square lid inscr. "V" and AVK logo
(4) Square flange (# 210 mm), square lid inscr. "V" and AVK logo
(5) Round flange (Ø210 mm), round lid inscr. "V" and AVK logo. Without fixation for extension spindle

80/30-000

Fixed height surface box for underground hydrants
Cast iron lid
According to DIN 4055
DVGW approved
Also available with synthetic lid (black/colour)
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-30-0000000	cast iron	HYDRANT	black	320
80-30-0040005	synthetics	AVK/HYDRANT	black	140
80-30-0040006	synthetics	AVK/HYDRANT	red	140

80/30-001

Fixed height surface box for underground air valves
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-30-0010000	cast iron	AVK/AIR VALVE	black	260

80/30-200

Fixed height surface box for underground hydrants
Cast iron lid
Rectangular top
Also available with synthetic lid (black/colour)
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-30-2000000	cast iron	HYDRANT	black	370
80-30-2040007	synthetics	AVK/HYDRANT	black	160
80-30-2040008	synthetics	AVK/HYDRANT	red	160

80/28-400

Height adjustable surface box for XL underground hydrants
Reinforced rim
Cast iron lid
PA+ housing
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-28-4000000	cast iron	HYDRANT	black	350

80/30-400

Height adjustable surface box for underground hydrants
Reinforced rim
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-30-4000000	cast iron	HYDRANT	black	430

80/39-000

Fixed height surface box for distribution valves
According to DIN 4056-2
DVGW approved
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-39-0000000	cast iron	W	black	280

80/39-100

Height adjustable surface box
for distribution valves
according to DIN 4056-2V
DVGW approved
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-39-1000000	cast iron	W	black	300

80/31-000

Fixed height surface box for
distribution valves
According to DIN 4056
DVGW approved
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-31-0000000	cast iron	W	black	350
80-31-0000004	cast iron	GAS	black	350
80-31-0040008	synthetics	AVK/W	black	150
80-31-0040004	synthetics	AVK/GAS	black	150
80-31-0040009	synthetics	AVK/W	blue	150
80-31-0040005	synthetics	AVK/GAS	yellow	150

80/31-200

Fixed height surface box for
distribution valves
Square top
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-31-2000000	cast iron	W	black	410
80-31-2000003	cast iron	GAS	black	410
80-31-2040005	synthetics	AVK/W	black	220
80-31-2040006	synthetics	AVK/GAS	black	220
80-31-2040007	synthetics	AVK/W	blue	220
80-31-2040008	synthetics	AVK/GAS	yellow	220
80-31-2040010	synthetics	RU	blue	220
94-08-00300 [1]	N/A	N/A	N/A	N/A
94-02-00110 [2]	N/A	N/A	N/A	N/A

[1] M12 hexagon socket head bolt (suitable for all 80/31 and 80/35 surface boxes with cast iron lid)
[2] M12 hexagon head bolt with locking clip (suitable for all 80/31 with synthetic lid)

80/31-100

Height adjustable surface box
for distribution valves
According to DIN 4056V
DVGW approved
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-31-1000000	cast iron	W	black	430
80-31-1000014	cast iron	GAS	black	430
80-31-1040000	synthetics	RU	blue	240
80-31-1040001	synthetics	AVK/GAS	yellow	240
50-49-41009 [1]	cast iron	GAS	black	N/A
50-49-41315 [2]	synthetics	RU	blue	N/A
50-49-41321 [3]	synthetics	AVK/GAS	yellow	N/A
50-49-41322 [4]	synthetics	AVK/GAS	yellow	N/A

[1] Black cast iron lid with GAS inscription (suitable for all 80/31 surface boxes)
[2] Blue synthetic lid with RU inscription (suitable for all 80/31 surface boxes)
[3] Yellow synthetic lid with AVK/GAS inscription (suitable for all 80/31 surface boxes)
[4] Yellow synthetic lid with AVK/GAS inscription diameter 147mm

80/31-400

Height adjustable surface box
for distribution valves
Reinforced rim
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-31-4000000	cast iron	W	black	450
80-31-4000001	cast iron	GAS	black	450

80/32-000

Fixed height surface box for
service connection valves
According to DIN 4057
DVGW approved
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-32-0000000	cast iron	W	black	350
80-32-0000004	cast iron	GAS	black	350
80-32-0040002	synthetics	AVK/W	black	175
80-32-0040004	synthetics	AVK/GAS	black	175
80-32-0040009	synthetics	AVK/W	blue	175
80-32-0040005	synthetics	AVK/GAS	yellow	175

80/32-200

Fixed height surface box for service connection valves
Square top
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-32-2000000	cast iron	W	black	350
80-32-2000002	cast iron	GAS	black	350
80-32-2040006	synthetics	AVK/W	black	175
80-32-2040007	synthetics	AVK/GAS	black	175
80-32-2040008	synthetics	AVK/W	blue	175
80-32-2040009	synthetics	AVK/GAS	yellow	175

80/35-000

Fixed height surface box for distribution valves and district heating
Cast iron lid
According to DIN 3582
DVGW approved
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-35-0000004	cast iron	GAS	black	420
50-49-60300 [1]	cast iron	GAS	black	N/A

[1] Black cast iron lid with GAS inscription (suitable for all 80/35 surface boxes)

80/35-100

Height adjustable surface box for distribution valves and district heating
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-35-1000002	cast iron	GAS	black	430

80/35-400

Height adjustable surface box for distribution valves and district heating
Reinforced rim
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-35-4000000	cast iron	GAS	black	460

80/32-011

Fixed height surface box for service connection valves
Futura design
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-31-0110002	cast iron	AVK/W	black	230
80-31-0110001	cast iron	AVK/GAS	black	230
80-31-0140002	synthetics	AVK/W	black	130
80-31-0140001	synthetics	AVK/GAS	black	130
80-31-0140003	synthetics	AVK/W	blue	130
80-31-0140004	synthetics	AVK/GAS	yellow	130

80/32-211

Fixed height surface box for service connection valves
Futura design
Square top
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-31-2110002	cast iron	AVK/W	black	240
80-31-2110001	cast iron	AVK/GAS	black	240
80-31-2140003	synthetics	AVK/W	black	140
80-31-2140002	synthetics	AVK/GAS	black	140
80-31-2140005	synthetics	AVK/W	blue	140
80-31-2140007	synthetics	AVK/GAS	yellow	140

80/31-011

Fixed height surface box for distribution valves
Futura design
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-32-0110003	cast iron	AVK/W	black	200
80-32-0110002	cast iron	AVK/GAS	black	200
80-32-0140002	synthetics	AVK/W	black	130
80-32-0140001	synthetics	AVK/GAS	black	130
80-32-0140007	synthetics	AVK/W	blue	130
80-32-0140011	synthetics	AVK/GAS	yellow	130

80/31-211

Fixed height surface box for distribution valves
Futura design
Square top
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-32-2110004	cast iron	AVK/W	black	210
80-32-2110001	cast iron	AVK/GAS	black	210
80-32-2140003	synthetics	AVK/W	black	140
80-32-2140002	synthetics	AVK/GAS	black	140
80-32-2140009	synthetics	AVK/W	blue	140
80-32-2140014	synthetics	AVK/GAS	yellow	140

80/22-022

Fixed height surface box for service connection valves
Surface box MP
Cast iron lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-22-0220000	cast iron	AVK/W	black	200
				200

80/22-025

Fixed height surface box for service connection valves
Synthetic lid
PA+ body

AVK ref. no.	Material lid	Inscription	Colour	Weight/pallet (kg)
80-22-0250000	synthetics	AVK/W	black	200

80/46-000

Support tile I for surface boxes 80/31, 80/32, 80/33, 80/34, 80/40 and 80/42
HDPE body

AVK ref. no.	Material	Inscription	Colour	Weight/pallet (kg)
80-46-00000	HDPE	N/A	black	130

80/46-001

Support tile I FSL with large spindle fixation, for surface boxes 80/31, 80/32, 80/33, 80/34, 80/40 and 80/42
HDPE body

AVK ref. no.	Material	Inscription	Colour	Weight/pallet (kg)
80-46-00001	HDPE	N/A	black	130

80/46-005

Support tile II for surface boxes 80/30 and 80/35

HDPE body

AVK ref. no.	Material	Inscription	Colour	Weight/pallet (kg)
80-46-00005	HDPE	N/A	black	150

80/46-010

Support tile III for surface boxes 80/30, 80/35 and 80/41

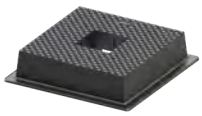
HDPE body

AVK ref. no.	Material	Inscription	Colour	Weight/pallet (kg)
80-46-00010	HDPE	N/A	black	150

80/46-051

Top frame for surface boxes 80/32, 80/33, 80/42 and 80/43

HDPE body

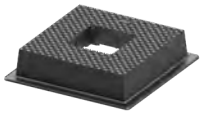


AVK ref. no.	Material	Inscription	Colour	Weight/pallet (kg)
80-46-00052	HDPE	N/A	black	400

80/46-052

Top frame for surface boxes 80/31, 80/34 and 80/40

HDPE body



AVK ref. no.	Material	Inscription	Colour	Weight/pallet (kg)
80-46-00051	HDPE	N/A	black	400

CO_2 calculation based on Lifecycle Assessment methology by ISO 14040-44 standards. Assessment performed by EY on behalf of AVK Plastics, The Netherlands (2016).
AVK plastic surface boxes are on average for 98% made out recycled materials among which bottle caps, airbag cutting waste and other high grade plastic resources.

712/0110-001

Double flanged bend 11.25° type FFK to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
712-0040-01-101	40	PN10/16	4.9
712-0050-01-101	50	PN10/16	6.1
712-0065-01-101	65	PN10/16	7.9
712-0080-01-101	80	PN10/16	9.1
712-0100-01-101	100	PN10/16	10
712-0125-01-101	125	PN10/16	13
712-0150-01-101	150	PN10/16	16
712-0200-01-100	200	PN10	23
712-0200-01-101	200	PN16	23
712-0250-01-100	250	PN10	35
712-0250-01-101	250	PN16	34
712-0300-01-100	300	PN10	47
712-0300-01-101	300	PN16	46
712-0350-01-100	350	PN10	58
712-0350-01-101	350	PN16	64
712-0400-01-100	400	PN10	71
712-0400-01-101	400	PN16	82
712-0500-01-100	500	PN10	80
712-0500-01-101	500	PN16	109
712-0600-01-100	600	PN10	121
712-0600-01-101	600	PN16	173

712/0210-001

Double flanged bend 22.5° type FFK to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
712-0040-02-101	40	PN10/16	5.7
712-0050-02-101	50	PN10/16	7.1
712-0065-02-101	65	PN10/16	9.1
712-0080-02-101	80	PN10/16	8.4
712-0100-02-101	100	PN10/16	10
712-0125-02-101	125	PN10/16	15
712-0150-02-101	150	PN10/16	15
712-0200-02-100	200	PN10	23
712-0200-02-101	200	PN16	23
712-0250-02-100	250	PN10	37
712-0250-02-101	250	PN16	36
712-0300-02-100	300	PN10	51
712-0300-02-101	300	PN16	50
712-0350-02-100	350	PN10	84
712-0400-02-100	400	PN10	77
712-0400-02-101	400	PN16	110
712-0500-02-100	500	PN10	150
712-0500-02-101	500	PN16	150
712-0600-02-100	600	PN10	248
712-0600-02-101	600	PN16	248

712/0310-001

Double flanged bend 30° type FFK to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
712-0040-03-101	40	PN10/16	7.0
712-0050-03-101	50	PN10/16	8.0
712-0065-03-101	65	PN16	8.5
712-0080-03-101	80	PN10/16	9.1
712-0100-03-101	100	PN10/16	11
712-0125-03-101	125	PN10/16	15
712-0150-03-101	150	PN10/16	18
712-0200-03-100	200	PN10	26
712-0200-03-101	200	PN16	26
712-0250-03-100	250	PN10	39
712-0250-03-101	250	PN16	38
712-0300-03-100	300	PN10	56
712-0300-03-101	300	PN16	55
712-0350-03-100	350	PN10	79
712-0350-03-101	350	PN16	85
712-0400-03-100	400	PN10	90
712-0400-03-101	400	PN16	100
712-0500-03-100	500	PN10	118
712-0500-03-101	500	PN16	147
712-0600-03-100	600	PN10	203
712-0600-03-101	600	PN16	255

712/0410-001

Double flanged bend 45° type FFK to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
712-0040-04-101	40	PN10/16	6.4
712-0050-04-101	50	PN10/16	8.1
712-0065-04-101	65	PN10/16	8.6
712-0080-04-101	80	PN10/16	9.0
712-0100-04-101	100	PN10/16	11
712-0125-04-101	125	PN10/16	14
712-0150-04-101	150	PN10/16	18
712-0200-04-100	200	PN10	26
712-0200-04-101	200	PN16	26
712-0250-04-100	250	PN10	51
712-0250-04-101	250	PN16	50
712-0300-04-100	300	PN10	71
712-0300-04-101	300	PN16	71
712-0350-04-100	350	PN10	80
712-0350-04-101	350	PN16	86
712-0400-04-100	400	PN10	90
712-0400-04-101	400	PN16	101
712-0500-04-100	500	PN10	178
712-0500-04-101	500	PN16	207
712-0600-04-100	600	PN10	198
712-0600-04-101	600	PN16	249

712/0610-001

Double flanged bend 90° type FFQ to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
712-0050-06-101	50	PN10/16	6.4
712-0065-06-101	65	PN10/16	8.2
712-0080-06-101	80	PN10/16	9.4
712-0100-06-101	100	PN10/16	12
712-0125-06-101	125	PN10/16	18
712-0150-06-101	150	PN10/16	19
712-0200-06-100	200	PN10	29
712-0250-06-100	250	PN10	46
712-0300-06-100	300	PN10	65
712-0350-06-100	350	PN10	85
712-0400-06-100	400	PN10	108
712-0500-06-100	500	PN10	168
712-0600-06-100	600	PN10	329

712/1010-001

All flanged Tee type T to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	DN2 mm	Flange drilling	Theoretical weight/kg
712-0050-10-101	50	50	PN10/16	9.9
712-0080-10-101	80	80	PN10/16	14
712-0082-10-101	80	50	PN10/16	13
712-0100-10-101	100	100	PN10/16	18
712-0101-10-101	100	80	PN10/16	17
712-0103-10-101	100	50	PN10/16	16
712-0125-10-101	125	125	PN10/16	23
712-0126-10-101	125	100	PN10/16	21
712-0127-10-101	125	80	PN10/16	21
712-0150-10-101	150	150	PN10/16	29
712-0152-10-101	150	100	PN10/16	26
712-0153-10-101	150	80	PN10/16	25
712-0155-10-101	150	50	PN10/16	24
712-0200-10-100	200	200	PN10	43
712-0201-10-100	200	150	PN10	40
712-0203-10-100	200	100	PN10	37
712-0204-10-100	200	80	PN10	37
712-0250-10-100	250	250	PN10	70
712-0251-10-100	250	200	PN10	64
712-0252-10-100	250	150	PN10	60
712-0254-10-100	250	100	PN10	57
712-0254-10-101	250	100	PN16	57
712-0255-10-100	250	80	PN10	56
712-0300-10-100	300	300	PN10	99
712-0301-10-100	300	250	PN10	79
712-0302-10-100	300	200	PN10	85
712-0303-10-100	300	150	PN10	64
712-0305-10-100	300	100	PN10	78
712-0306-10-100	300	80	PN10	77
712-0349-10-100	350	300	PN10	116
712-0353-10-100	350	200	PN10	104
712-0354-10-100	350	150	PN10	77
712-0356-10-100	350	100	PN10	70
712-0400-10-100	400	400	PN10	156
712-0402-10-100	400	300	PN10	140
712-0403-10-100	400	250	PN10	130
712-0404-10-100	400	200	PN10	127
712-0405-10-100	400	150	PN10	124
712-0407-10-100	400	100	PN10	122
712-0408-10-100	400	80	PN10	121
712-0500-10-100	500	500	PN10	216
712-0502-10-100	500	400	PN10	204
712-0504-10-100	500	300	PN10	194
712-0505-10-100	500	250	PN10	184
712-0506-10-100	500	200	PN10	181
712-0507-10-100	500	150	PN10	178
712-0509-10-100	500	100	PN10	176
712-0600-10-100	600	600	PN10	303
712-0603-10-100	600	400	PN10	275
712-0605-10-100	600	300	PN10	267
712-0607-10-100	600	200	PN10	254
712-0610-10-100	600	100	PN10	250

712/1510-001

Flanged Cross type TT to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN	DN2	Flange	Theoretical
	mm	mm	drilling	weight/kg
712-0080-15-101	80	80	PN10/16	19
712-0100-15-101	100	100	PN10/16	23
712-0101-15-101	100	80	PN10/16	22
712-0125-15-101	125	125	PN10/16	29
712-0150-15-101	150	150	PN10/16	37
712-0152-15-101	150	100	PN10/16	31
712-0200-15-100	200	200	PN10	55
712-0200-15-101	200	200	PN16	56
712-0201-15-100	200	150	PN10	56
712-0201-15-101	200	150	PN16	56
712-0203-15-100	200	100	PN10	43
712-0203-15-101	200	100	PN16	51
712-0250-15-100	250	250	PN10	89
712-0250-15-101	250	250	PN16	87
712-0251-15-100	250	200	PN10	74
712-0251-15-101	250	200	PN16	80
712-0252-15-100	250	150	PN10	66
712-0252-15-101	250	150	PN16	66
712-0254-15-100	250	100	PN10	58
712-0254-15-101	250	100	PN16	58
712-0300-15-100	300	300	PN10	122
712-0300-15-101	300	300	PN16	122
712-0301-15-100	300	250	PN10	103
712-0301-15-101	300	250	PN16	103
712-0302-15-100	300	200	PN10	118
712-0302-15-101	300	200	PN16	118
712-0303-15-100	300	150	PN10	86
712-0303-15-101	300	150	PN16	86
712-0305-15-100	300	100	PN10	79
712-0305-15-101	300	100	PN16	79
712-0400-15-100	400	400	PN10	185
712-0400-15-101	400	400	PN16	262
712-0500-15-100	500	500	PN10	261
712-0500-15-101	500	500	PN16	320
712-0600-15-100	600	600	PN10	362
712-0600-15-101	600	600	PN16	464

712/1610-001

Flanged cross type TT with flanged branch to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN	DN2	Flange	L	H	Theoretical
	mm	mm	drilling	mm	mm	weight/kg
712-0100-16-101	100	100	PN10/16	360	180	27
712-0125-16-101	125	125	PN10/16	400	200	40
712-0150-16-101	150	150	PN10/16	440	220	41
712-0152-16-101	150	100	PN10/16	440	210	36
712-0200-16-100	200	200	PN10	520	260	59
712-0200-16-101	200	200	PN16	520	260	58
712-0201-16-100	200	150	PN10	520	250	52
712-0201-16-101	200	150	PN16	520	250	52
712-0203-16-100	200	100	PN10	520	240	46
712-0203-16-101	200	100	PN16	520	240	46
712-0250-16-100	250	250	PN10	700	350	93
712-0250-16-101	250	250	PN16	700	350	92
712-0251-16-100	250	200	PN10	700	325	98
712-0251-16-101	250	200	PN16	700	325	98
712-0252-16-100	250	150	PN10	485	280	88
712-0252-16-101	250	150	PN16	485	280	88
712-0254-16-100	250	100	PN10	700	275	80
712-0254-16-101	250	100	PN16	700	275	67
712-0300-16-100	300	300	PN10	800	400	155
712-0300-16-101	300	300	PN16	800	400	155
712-0301-16-100	300	250	PN10	620	330	137
712-0301-16-101	300	250	PN16	620	330	137
712-0302-16-100	300	200	PN10	800	350	124
712-0302-16-101	300	200	PN16	800	350	124
712-0303-16-100	300	150	PN10	505	310	114
712-0303-16-101	300	150	PN16	505	310	114
712-0305-16-100	300	100	PN10	800	300	107
712-0305-16-101	300	100	PN16	800	300	107
712-0400-16-100	400	400	PN10	900	450	262
712-0400-16-101	400	400	PN16	900	450	262
712-0500-16-100	500	500	PN10	1000	500	405
712-0500-16-101	500	500	PN16	1000	500	405
712-0600-16-100	600	600	PN10	1100	550	587
712-0600-16-101	600	600	PN16	1100	550	587

712/2210-001

Double flange reducer type FFR to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	DN2 mm	Flange drilling	L mm	Theoretical weight/kg
712-0066-22-101	65	50	PN10/16	200	6.7
712-0081-22-101	80	65	PN10/16	200	7.8
712-0082-22-101	80	50	PN10/16	200	7.1
712-0101-22-101	100	80	PN10/16	200	9.1
712-0102-22-101	100	65	PN10/16	200	8.6
712-0103-22-101	100	50	PN10/16	200	7.9
712-0126-22-101	125	100	PN10/16	200	11
712-0127-22-101	125	80	PN10/16	200	10
712-0151-22-101	150	125	PN10/16	200	14
712-0152-22-101	150	100	PN10/16	200	12
712-0153-22-101	150	80	PN10/16	200	12
712-0201-22-100	200	150	PN10	300	21
712-0203-22-100	200	100	PN10	300	18
712-0204-22-100	200	80	PN10	300	17
712-0251-22-100	250	200	PN10	300	29
712-0252-22-100	250	150	PN10	300	26
712-0254-22-100	250	100	PN10	300	23
712-0301-22-100	300	250	PN10	300	41
712-0302-22-100	300	200	PN10	300	36
712-0303-22-100	300	150	PN10	300	34
712-0305-22-100	300	100	PN10	300	31
712-0349-22-100	350	300	PN10	300	48
712-0352-22-100	350	250	PN10	300	44
712-0353-22-100	350	200	PN10	300	41
712-0401-22-100	400	350	PN10	300	53
712-0402-22-100	400	300	PN10	300	76
712-0403-22-100	400	250	PN10	300	48
712-0404-22-100	400	200	PN10	300	44
712-0502-22-100	500	400	PN10	600	107
712-0504-22-100	500	300	PN10	600	92
712-0601-22-100	600	500	PN10	600	149
712-0603-22-100	600	400	PN10	600	133

712/1110-001

All flanged Tee type TT with flanged branch to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN	DN2	L	H	Theoretical
	mm	mm	mm	mm	weight/kg
712-0100-11-101	100	100	360	180	22
712-0150-11-101	150	150	440	220	33
712-0152-11-101	150	100	440	210	31
712-0200-11-100	200	200	520	260	47
712-0200-11-101	200	200	520	260	47
712-0201-11-101	200	150	520	250	44
712-0203-11-100	200	100	520	240	41
712-0203-11-101	200	100	520	240	49
712-0250-11-100	250	250	700	350	75
712-0250-11-101	250	250	700	350	74
712-0251-11-100	250	200	700	325	69
712-0251-11-101	250	200	700	325	68
712-0252-11-100	250	150	700	300	79
712-0252-11-101	250	150	700	300	79
712-0254-11-100	250	100	700	275	74
712-0254-11-101	250	100	700	275	74
712-0300-11-100	300	300	800	400	103
712-0300-11-101	300	300	800	400	102
712-0301-11-100	300	250	800	375	116
712-0301-11-101	300	250	800	375	116
712-0302-11-100	300	200	800	350	110
712-0302-11-101	300	200	800	350	110
712-0303-11-100	300	150	800	325	106
712-0303-11-101	300	150	800	325	106
712-0305-11-100	300	100	800	300	101
712-0305-11-101	300	100	800	300	101
712-0400-11-100	400	400	900	450	156
712-0400-11-101	400	400	900	450	171
712-0402-11-100	400	300	900	450	145
712-0402-11-101	400	300	900	450	154
712-0403-11-100	400	250	900	350	135
712-0403-11-101	400	250	900	350	144
712-0404-11-100	400	200	900	350	131
712-0404-11-101	400	200	900	350	141
712-0405-11-100	400	150	900	350	128
712-0405-11-101	400	150	900	350	139
712-0407-11-101	400	100	900	350	170
712-0500-11-100	500	500	1000	500	221
712-0500-11-101	500	500	1000	500	265
712-0502-11-100	500	400	1000	500	208
712-0502-11-101	500	400	1000	500	243
712-0504-11-100	500	300	1000	500	198
712-0504-11-101	500	300	1000	500	228
712-0505-11-100	500	250	1000	400	189
712-0505-11-101	500	250	1000	400	218
712-0506-11-100	500	200	1000	400	185
712-0506-11-101	500	200	1000	400	215
712-0507-11-100	500	150	1000	400	183
712-0507-11-101	500	150	1000	400	212
712-0509-11-100	500	100	1000	400	181
712-0509-11-101	500	100	1000	400	210
712-0603-11-101	600	400	1100	550	336
712-0605-11-100	600	300	1100	550	271
712-0607-11-101	600	200	1100	450	309
712-0610-11-101	600	100	1100	450	305

712/3550-001

Double reducer flange type XR to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN/DN	Flange drilling	Theoretical weight/kg
712-0104-35-501060	40 - 100	PN10/16	7.1
712-0153-35-501060	150 - 80	PN10/16	7.1
712-0154-35-501060	65 - 150	PN10/16	7.3
712-0157-35-501060	60 - 150	PN10/16	7.1
712-0202-35-500060	125 - 200	PN10	7.1
712-0203-35-500060	200 - 100	PN10	7.1
712-0203-35-501060	100 - 200	PN16	13
712-0204-35-500060	80 - 200	PN10	13
712-0204-35-501060	80 - 200	PN16	13
712-0205-35-501060	65 - 200	PN16	14
712-0210-35-500060	60 - 200	PN10	13
712-0252-35-500060	250 - 150	PN10	7.1
712-0252-35-501060	150 - 250	PN16	7.1
712-0302-35-500060	300 - 200	PN10	17
712-0302-35-501060	200 - 300	PN16	17
712-0303-35-500060	300 - 150	PN10	30
712-0404-35-501060	200 - 400	PN16	39

712/3550-002

Double reducer flange type XR to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN/DN	Product PN Class	Theoretical weight/kg
712-0061-35-501061	50 - 60	PN 10/16	7.5
712-0062-35-501061	40 - 60	PN 10/16	7.5
712-0083-35-501061	40 - 80	PN 10/16	7.5
712-0086-35-501061	60 - 80	PN 10/16	7.5
712-0107-35-501061	60 - 100	PN 10/16	7.5
712-0127-35-501061	80 - 125	PN 10/16	7.5
712-0133-35-501061	60 - 125	PN 10/16	7.5
712-0082-35-501061	80 - 50	PN 10/16	7.5
712-0081-35-501061	80 - 65	PN 10/16	7.5
712-0103-35-501061	100 - 50	PN 10/16	7.5
712-0102-35-501061	100 - 65	PN 10/16	7.5
712-0101-35-501061	100 - 80	PN 10/16	7.5
712-0126-35-501061	125 - 100	PN 10/16	7.5
712-0151-35-501061	150 - 125	PN 10/16	7.5
712-0152-35-501061	150 - 100	PN 10/16	7.5
712-0201-35-500061	150 - 200	PN10	7.5
712-0251-35-500061	200 - 250	PN10	7.5
712-0301-35-500061	250 - 300	PN10	29

712/3552-001

Double reducer flange type XR

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

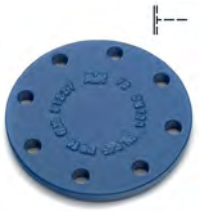
AVK ref. no.	DN/DN	Flange drilling	Theoretical weight/kg
712-0104-35-521060	40-100	PN10/16	5.1
712-0153-35-521060	80-150	PN10/16	7.1
712-0154-35-521060	65-150	PN10/16	9.1
712-0157-35-521060	60-150	PN10/16	9.0
712-0202-35-520060	125-200	PN10	12
712-0203-35-520060	100-200	PN10	7.1
712-0203-35-521060	100-200	PN16	13
712-0204-35-520060	80-200	PN10	13
712-0204-35-521060	80-200	PN16	13
712-0205-35-520060	65-200	PN10	13
712-0205-35-521060	65-200	PN16	14
712-0210-35-520060	60-200	PN10	13
712-0210-35-521060	60-200	PN16	13
712-0252-35-520060	150-250	PN10	20
712-0252-35-521060	150-250	PN16	20
712-0302-35-520060	200-300	PN10	23
712-0302-35-521060	200-300	PN16	23
712-0303-35-520060	150 - 300	PN10	22

712/3810-001

Blind flange type X to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved



AVK ref. no.	DN mm	D mm	Flange drilling	Theoretical weight/kg
712-0040-38-101	40	150	PN10/16	2.0
712-0050-38-101	50	165	PN10/16	2.4
712-0060-38-101	60	175	PN10/16	2.7
712-0065-38-101	65	185	PN10/16	3.1
712-0080-38-101	80	200	PN10/16	3.5
712-0100-38-101	100	220	PN10/16	4.3
712-0125-38-101	125	250	PN10/16	5.6
712-0150-38-101	150	285	PN10/16	7.2
712-0200-38-100	200	340	PN10	11
712-0200-38-101	200	340	PN16	11
712-0250-38-100	250	400	PN10	17
712-0250-38-101	250	400	PN16	17
712-0300-38-100	300	455	PN10	24
712-0300-38-101	300	455	PN16	24
712-0400-38-100	400	565	PN10	37
712-0400-38-101	400	580	PN16	45
712-0500-38-100	500	670	PN10	57
712-0500-38-101	500	715	PN16	78
712-0600-38-100	600	780	PN10	87
712-0600-38-101	600	840	PN16	124

712/3910-001

Blind flange with internal BSP thread type XI to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.		DN mm	D mm	Flange drilling	Theoretical weight/kg
712-0040-39-101005	(1)	40	150	PN10/16	1.9
712-0040-39-101075	(2)	40	150	PN10/16	1.9
712-0050-39-101005	(1)	50	165	PN10/16	2.4
712-0050-39-101075	(2)	50	165	PN10/16	2.4
712-0060-39-101005	(1)	60	175	PN10/16	2.7
712-0060-39-101075	(2)	60	175	PN10/16	2.6
712-0065-39-101005	(1)	65	185	PN10/16	3.0
712-0065-39-101075	(2)	65	185	PN10/16	3.0
712-0080-39-101005	(1)	80	200	PN10/16	3.4
712-0080-39-101075	(2)	80	200	PN10/16	3.4
712-0100-39-101005	(1)	100	220	PN10/16	4.2
712-0100-39-101075	(2)	100	220	PN10/16	4.2
712-0125-39-101005	(1)	125	250	PN10/16	5.5
712-0125-39-101075	(2)	125	250	PN10/16	5.5
712-0150-39-101005	(1)	150	285	PN10/16	7.1
712-0150-39-101075	(2)	150	285	PN10/16	7.1
712-0200-39-100005	(1)	200	340	PN10	11
712-0200-39-100075	(2)	200	340	PN10	11
712-0200-39-101005	(1)	200	340	PN16	11
712-0200-39-101075	(2)	200	340	PN16	11
712-0250-39-100005	(1)	250	400	PN10	17
712-0250-39-100075	(2)	250	400	PN10	17
712-0250-39-101005	(1)	250	400	PN16	17
712-0250-39-101075	(2)	250	400	PN16	16
712-0300-39-100005	(1)	300	455	PN10	24
712-0300-39-100075	(2)	300	455	PN10	24
712-0300-39-101005	(1)	300	455	PN16	24
712-0300-39-101075	(2)	300	455	PN16	23
712-0400-39-100005	(1)	400	565	PN10	44
712-0400-39-100075	(2)	400	565	PN10	44
712-0400-39-101005	(1)	400	580	PN16	44
712-0400-39-101075	(2)	400	580	PN16	44
712-0500-39-100005	(1)	500	670	PN10	77
712-0500-39-100075	(2)	500	670	PN10	77
712-0500-39-101005	(1)	500	715	PN16	77
712-0500-39-101075	(2)	500	715	PN16	77
712-0600-39-100005	(1)	600	780	PN10	121
712-0600-39-100075	(2)	600	780	PN10	121
712-0600-39-101005	(1)	600	840	PN16	121
712-0600-39-101075	(2)	600	840	PN16	121

(1) BSP thread ½" (15x21)

(2) BSP thread 3/4" (20x27)

712/3910-010

Blind flange with internal BSP thread type XI to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.		DN mm	D mm	Flange drilling	Theoretical weight/kg
712-0040-39-101010	(1)	40	150	PN10/16	1.9
712-0040-39-101012	(2)	40	150	PN10/16	1.9
712-0040-39-101015	(3)	40	150	PN10/16	1.9
712-0050-39-101010	(1)	50	165	PN10/16	2.4
712-0050-39-101012	(2)	50	165	PN10/16	2.4
712-0050-39-101015	(3)	50	165	PN10/16	2.4
712-0060-39-101010	(1)	60	175	PN10/16	2.6
712-0060-39-101012	(2)	60	175	PN10/16	2.6
712-0060-39-101015	(3)	60	175	PN10/16	2.6
712-0065-39-101010	(1)	65	185	PN10/16	3.0
712-0080-39-101010	(1)	80	200	PN10/16	3.4
712-0080-39-101012	(2)	80	200	PN10/16	3.4
712-0080-39-101015	(3)	80	200	PN10/16	3.4
712-0100-39-101010	(1)	100	220	PN10/16	4.2
712-0100-39-101012	(2)	100	220	PN10/16	4.2
712-0100-39-101015	(3)	100	220	PN10/16	4.2
712-0125-39-101012	(2)	125	250	PN10/16	5.5
712-0125-39-101015	(3)	125	250	PN10/16	5.5
712-0150-39-101010	(1)	150	285	PN10/16	7.1
712-0150-39-101012	(2)	150	285	PN10/16	7.1
712-0150-39-101015	(3)	150	285	PN10/16	7.1
712-0200-39-100010	(1)	200	340	PN10	11
712-0200-39-100012	(2)	200	340	PN10	11
712-0200-39-100015	(3)	200	340	PN10	11
712-0250-39-100010	(1)	250	400	PN10	16
712-0250-39-100015	(3)	250	400	PN10	16
712-0300-39-100012	(2)	300	455	PN10	23
712-0300-39-100015	(3)	300	455	PN10	23
712-0300-39-101010	(1)	300	455	PN16	24
712-0300-39-101012	(2)	300	455	PN16	23
712-0300-39-101015	(3)	300	455	PN16	24
712-0400-39-100010	(1)	400	565	PN10	44
712-0400-39-100012	(2)	400	565	PN10	44
712-0400-39-100015	(3)	400	565	PN10	44
712-0400-39-101010	(1)	400	580	PN16	44
712-0400-39-101012	(2)	400	580	PN16	44
712-0400-39-101015	(3)	400	580	PN16	44
712-0500-39-100010	(1)	500	670	PN10	77
712-0500-39-100012	(2)	500	670	PN10	77
712-0500-39-100015	(3)	500	670	PN10	77
712-0500-39-101010	(1)	500	715	PN16	77
712-0500-39-101012	(2)	500	715	PN16	77
712-0500-39-101015	(3)	500	715	PN16	77
712-0600-39-100010	(1)	600	780	PN10	123
712-0600-39-100012	(2)	600	780	PN10	123
712-0600-39-100015	(3)	600	780	PN10	121
712-0600-39-101010	(1)	600	840	PN16	121
712-0600-39-101012	(2)	600	840	PN16	121
712-0600-39-101015	(3)	600	840	PN16	121

(1) BSP thread 1" (26x34)

(2) BSP thread 1½" (40x49)

(3) BSP thread 1 1/4" (33x42)

712/3910-025

Blind flange with internal BSP thread type XI to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.		DN mm	D mm	Flange drilling	Theoretical weight/kg
712-0040-39-101020	(1)	40		PN10/16	1.9
712-0050-39-101020	(1)	50	165	PN10/16	2.4
712-0060-39-101020	(1)	60	175	PN10/16	2.6
712-0065-39-101020	(1)	65	185	PN10/16	3.0
712-0065-39-101025	(2)	65	185	PN10/16	3.0
712-0080-39-100020	(1)	80	200	PN10/16	3.4
712-0080-39-101020	(1)	80	200	PN10/16	3.4
712-0080-39-101025	(2)	80	200	PN10/16	3.4
712-0100-39-101020	(1)	100	220	PN10/16	4.2
712-0100-39-101025	(2)	100	220	PN10/16	4.2
712-0125-39-101020	(1)	125	250	PN10/16	5.5
712-0150-39-101020	(1)	150	285	PN10/16	7.1
712-0150-39-101025	(2)	150	285	PN10/16	7.1
712-0200-39-100020	(1)	200	340	PN10	11
712-0200-39-100025	(2)	200	340	PN10	11
712-0250-39-100020	(1)	250	400	PN10	16
712-0250-39-100025	(2)	250	400	PN10	17
712-0250-39-101020	(1)	250	400	PN16	16
712-0250-39-101025	(2)	250	400	PN16	17
712-0300-39-100020	(1)	300	455	PN10	23
712-0300-39-100025	(2)	300	455	PN10	23
712-0300-39-101020	(1)	300	455	PN16	23
712-0300-39-101025	(2)	300	455	PN16	24
712-0400-39-100020	(1)	400	565	PN10	44
712-0400-39-100025	(2)	400	565	PN10	44
712-0400-39-101020	(1)	400	580	PN16	44
712-0400-39-101025	(2)	400	580	PN16	44
712-0500-39-100020	(1)	500	670	PN10	77
712-0500-39-100025	(2)	500	670	PN10	77
712-0500-39-101020	(1)	500	715	PN16	77
712-0500-39-101025	(2)	500	715	PN16	77
712-0600-39-100020	(1)	600	780	PN10	123
712-0600-39-100025	(2)	600	780	PN10	121
712-0600-39-101020	(1)	600	840	PN16	121
712-0600-39-101025	(2)	600	840	PN16	121

(1) BSP thread 2" (50x60)

(2) BSP thread 2½" (66x76)

712/3910-035

Blind flange with internal BSP thread type XI to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.		DN mm	D mm	Flange drilling	Theoretical weight/kg
712-0100-39-101030	(1)	100	220	PN10/16	4.2
712-0150-39-101030	(1)	150	285	PN10/16	7.1
712-0150-39-101041	(2)	150	285	PN10/16	7.1

(1) BSP thread 3" (80x90)

(2) BSP thread 4" (102x114)

712/3910-045

Blind flange with internal M40X3 / M55X3 thread type XI to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.		DN mm	Flange drilling	D mm	Theoretical weight/kg
712-0040-39-101040	(1)	40	PN10/16	150	1.9
712-0040-39-101055	(2)	40	PN10/16	150	1.9
712-0050-39-101040	(1)	50	PN10/16	165	2.4
712-0050-39-101055	(2)	50	PN10/16	165	2.4
712-0060-39-101040	(1)	60	PN10/16	175	2.6
712-0060-39-101055	(2)	60	PN10/16	175	2.6
712-0080-39-101040	(1)	80	PN10/16	200	3.4
712-0080-39-101055	(2)	80	PN10/16	200	3.4
712-0100-39-101040	(1)	100	PN10/16	220	4.2
712-0100-39-101055	(2)	100	PN10/16	220	4.2
712-0125-39-101040	(1)	125	PN10/16	250	5.5
712-0125-39-101055	(2)	125	PN10/16	250	5.5
712-0150-39-101040	(1)	150	PN10/16	285	7.1
712-0150-39-101055	(2)	150	PN10/16	285	7.1
712-0200-39-100040	(1)	200	PN10	340	11
712-0200-39-100055	(2)	200	PN10	340	11
712-0200-39-101055	(2)	200	PN16	340	11
712-0250-39-100040	(1)	250	PN10	400	16
712-0250-39-100055	(2)	250	PN10	400	16
712-0300-39-100055	(2)	300	PN10	455	23

(1) Center hole thread M40X3. (small flange)

(2) Center hole thread M55X3. (large flange)

712/3910-065

Blind flange with internal BSP thread - DIN 1882 drilling

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
712-0060-39-103010	60	DIN 1882	2.6

712/4010-001

Double flange pipe type FF to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0050-40-101	50	PN10/16	100	5.1
712-0060-40-101	60	PN10/16	100	5.7
712-0065-40-101	65	PN10/16	100	6.3
712-0080-40-101	80	PN10/16	100	7.0
712-0100-40-101	100	PN10/16	100	8.2
712-0125-40-101	125	PN10/16	100	10
712-0150-40-101	150	PN10/16	100	12
712-0200-40-100	200	PN10	100	18
712-0200-40-101	200	PN16	100	17
712-0250-40-100	250	PN10	100	24
712-0250-40-101	250	PN16	100	24
712-0300-40-100	300	PN10	100	33
712-0300-40-101	300	PN16	100	33

712/4110-001

Double flange pipe type FF

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0050-41-101	50	PN10/16	150	5.5
712-0060-41-101	60	PN10/16	150	6.2
712-0065-41-101	65	PN10/16	150	6.9
712-0080-41-101	80	PN10/16	150	7.7
712-0100-41-101	100	PN10/16	150	9.1
712-0125-41-101	125	PN10/16	150	11
712-0150-41-101	150	PN10/16	150	14
712-0200-41-100	200	PN10	150	19
712-0200-41-101	200	PN16	150	19
712-0250-41-100	250	PN10	150	27
712-0250-41-101	250	PN16	150	26
712-0300-41-100	300	PN10	150	35
712-0300-41-101	300	PN16	150	35
712-0350-41-101	350	PN16	150	47
712-0400-41-101	400	PN16	150	58
712-0500-41-101	500	PN16	150	91

712/4210-001

Double flange pipe type FF

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0050-42-101	50	PN10/16	200	6.0
712-0065-42-101	65	PN10/16	200	7.4
712-0080-42-101	80	PN10/16	200	8.3
712-0100-42-101	100	PN10/16	200	9.9
712-0125-42-101	125	PN10/16	200	12
712-0150-42-101	150	PN10/16	200	15
712-0200-42-100	200	PN10	200	21
712-0200-42-101	200	PN16	200	20
712-0250-42-100	250	PN10	200	29
712-0250-42-101	250	PN16	200	28
712-0300-42-100	300	PN10	200	38
712-0300-42-101	300	PN16	200	37
712-0400-42-101	400	PN16	200	63
712-0500-42-101	500	PN16	200	101
712-0600-42-101	600	PN16	200	149

712/4310-001

Double flange pipe type FF

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0050-43-101	50	PN10/16	250	6.4
712-0065-43-101	65	PN10/16	250	7.9
712-0080-43-101	80	PN10/16	250	9.0
712-0100-43-101	100	PN10/16	250	13
712-0125-43-101	125	PN10/16	250	13
712-0150-43-101	150	PN10/16	250	16
712-0200-43-100	200	PN10	250	24
712-0200-43-101	200	PN16	250	24
712-0250-43-100	250	PN10	250	31
712-0250-43-101	250	PN16	250	31
712-0300-43-100	300	PN10	250	41
712-0300-43-101	300	PN16	250	40
712-0350-43-101	350	PN16	250	54
712-0400-43-101	400	PN16	250	67
712-0500-43-101	500	PN16	250	107
712-0600-43-101	600	PN16	250	157

712/4410-001

Double flange pipe type FF
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0050-44-101	50	PN10/16	300	6.8
712-0065-44-101	65	PN10/16	300	8.4
712-0080-44-101	80	PN10/16	300	9.7
712-0100-44-101	100	PN10/16	300	12
712-0125-44-101	125	PN10/16	300	14
712-0150-44-101	150	PN10/16	300	17
712-0200-44-100	200	PN10	300	24
712-0200-44-101	200	PN16	300	24
712-0250-44-100	250	PN10	300	34
712-0250-44-101	250	PN16	300	33
712-0300-44-100	300	PN10	300	44
712-0300-44-101	300	PN16	300	43
712-0350-44-101	350	PN16	300	58
712-0400-44-101	400	PN16	300	72
712-0500-44-101	500	PN16	300	113
712-0600-44-101	600	PN16	300	165

712/4610-001

Double flange pipe type FF
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0050-46-101	50	PN10/16	400	7.6
712-0065-46-101	65	PN10/16	400	9.5
712-0080-46-101	80	PN10/16	400	11
712-0100-46-101	100	PN10/16	400	13
712-0125-46-101	125	PN10/16	400	16
712-0150-46-101	150	PN10/16	400	20
712-0200-46-100	200	PN10	400	28
712-0200-46-101	200	PN16	400	27
712-0250-46-100	250	PN10	400	38
712-0250-46-101	250	PN16	400	37
712-0300-46-100	300	PN10	400	50
712-0300-46-101	300	PN16	400	49
712-0350-46-100	350	PN10	400	60
712-0350-46-101	350	PN16	400	66
712-0400-46-100	400	PN10	400	75
712-0400-46-101	400	PN16	400	81
712-0450-46-100	450	PN10	400	85
712-0450-46-101	450	PN16	400	107
712-0500-46-100	500	PN10	400	96
712-0500-46-101	500	PN16	400	126
712-0600-46-100	600	PN10	400	130
712-0600-46-101	600	PN16	400	181

712/4810-001

Double flange pipe type FF
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0050-48-101	50	PN10/16	500	8.4
712-0065-48-101	65	PN10/16	500	11
712-0080-48-101	80	PN10/16	500	12
712-0100-48-101	100	PN10/16	500	15
712-0125-48-101	125	PN10/16	500	18
712-0200-48-100	200	PN10	500	31
712-0200-48-101	200	PN16	500	31
712-0250-48-100	250	PN10	500	43
712-0250-48-101	250	PN16	500	42
712-0300-48-100	300	PN10	500	56
712-0300-48-101	300	PN16	500	55
712-0350-48-100	350	PN10	500	67
712-0350-48-101	350	PN16	500	73
712-0400-48-100	400	PN10	500	84
712-0400-48-101	400	PN16	500	90
712-0450-48-100	450	PN10	500	96
712-0450-48-101	450	PN16	500	118
712-0500-48-100	500	PN10	500	109
712-0500-48-101	500	PN16	500	138
712-0600-48-100	600	PN10	500	146

712/4910-001

Double flange pipe type FF

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0050-49-101	50	PN10/16	600	9.2
712-0065-49-101	65	PN10/16	600	12
712-0080-49-101	80	PN10/16	600	14
712-0100-49-101	100	PN10/16	600	17
712-0125-49-101	125	PN10/16	600	20
712-0150-49-101	150	PN10/16	600	25
712-0200-49-100	200	PN10	600	35
712-0200-49-101	200	PN16	600	34
712-0250-49-100	250	PN10	600	47
712-0250-49-101	250	PN16	600	47
712-0300-49-100	300	PN10	600	62
712-0300-49-101	300	PN16	600	61
712-0350-49-100	350	PN10	600	75
712-0350-49-101	350	PN16	600	81
712-0400-49-100	400	PN10	600	93
712-0400-49-101	400	PN16	600	99
712-0450-49-100	450	PN10	600	107
712-0450-49-101	450	PN16	600	129
712-0500-49-100	500	PN10	600	121
712-0500-49-101	500	PN16	600	151
712-0600-49-100	600	PN10	600	163
712-0600-49-101	600	PN16	600	214

712/5010-001

Double flange pipe type FF

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0080-50-101	80	PN10/16	700	15
712-0100-50-101	100	PN10/16	700	18
712-0125-50-101	125	PN10/16	700	23
712-0150-50-101	150	PN10/16	700	27
712-0200-50-100	200	PN10	700	38
712-0200-50-101	200	PN16	700	38
712-0250-50-100	250	PN10	700	52
712-0250-50-101	250	PN16	700	51
712-0300-50-100	300	PN10	700	67
712-0300-50-101	300	PN16	700	67
712-0350-50-100	350	PN10	700	83
712-0350-50-101	350	PN16	700	88
712-0400-50-100	400	PN10	700	102
712-0400-50-101	400	PN16	700	108
712-0450-50-100	450	PN10	700	118
712-0450-50-101	450	PN16	700	140
712-0500-50-100	500	PN10	700	134
712-0500-50-101	500	PN16	700	163
712-0600-50-100	600	PN10	700	179
712-0600-50-101	600	PN16	700	231

712/5110-001

Double flange pipe type FF

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0080-51-101	80	PN10/16	800	16
712-0100-51-101	100	PN10/16	800	20
712-0125-51-101	125	PN10/16	800	25
712-0150-51-101	150	PN16	800	30
712-0200-51-100	200	PN10	800	42
712-0200-51-101	200	PN16	800	41
712-0250-51-100	250	PN10	800	57
712-0250-51-101	250	PN16	800	56
712-0300-51-100	300	PN10	800	73
712-0300-51-101	300	PN16	800	72
712-0350-51-100	350	PN10	800	90
712-0350-51-101	350	PN16	800	96
712-0400-51-100	400	PN10	800	111
712-0400-51-101	400	PN16	800	118
712-0450-51-100	450	PN10	800	128
712-0450-51-101	450	PN16	800	150
712-0500-51-100	500	PN10	800	146
712-0500-51-101	500	PN16	800	176
712-0600-51-100	600	PN10	800	196
712-0600-51-101	600	PN16	800	247

712/5210-001

Double flange pipe type FF

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0080-52-101	80	PN10/16	900	18
712-0100-52-101	100	PN10/16	900	22
712-0125-52-101	125	PN10/16	900	27
712-0150-52-101	150	PN10/16	900	32
712-0200-52-100	200	PN10	900	45
712-0200-52-101	200	PN16	900	45
712-0250-52-100	250	PN10	900	61
712-0250-52-101	250	PN16	900	60
712-0300-52-100	300	PN10	900	79
712-0300-52-101	300	PN16	900	78
712-0350-52-100	350	PN10	900	98
712-0350-52-101	350	PN16	900	104
712-0400-52-100	400	PN10	900	120
712-0400-52-101	400	PN16	900	127
712-0450-52-100	450	PN10	900	139
712-0450-52-101	450	PN16	900	161
712-0500-52-100	500	PN10	900	159
712-0500-52-101	500	PN16	900	188
712-0600-52-100	600	PN10	900	212
712-0600-52-101	600	PN16	900	263

712/5310-001

Double flange pipe type FF

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0080-53-101	80	PN10/16	1000	19
712-0100-53-101	100	PN10/16	1000	23
712-0150-53-101	150	PN10/16	1000	35
712-0200-53-100	200	PN10	1000	49
712-0200-53-101	200	PN16	1000	48
712-0250-53-100	250	PN10	1000	66
712-0250-53-101	250	PN16	1000	65
712-0300-53-100	300	PN10	1000	91
712-0300-53-101	300	PN16	1000	84
712-0350-53-100	350	PN10	1000	105
712-0350-53-101	350	PN16	1000	111
712-0400-53-100	400	PN10	1000	130
712-0400-53-101	400	PN16	1000	136
712-0450-53-100	450	PN10	1000	150
712-0450-53-101	450	PN16	1000	172
712-0500-53-100	500	PN10	1000	171
712-0500-53-101	500	PN16	1000	201
712-0600-53-100	600	PN10	1000	228
712-0600-53-101	600	PN16	1000	280

712/6010-001

Flanged pipe with wall sleeve type FF-WP to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0100-60-101	100	PN10/16	500	21
712-0150-60-101	150	PN10/16	500	28
712-0200-60-100	200	PN10	500	39
712-0200-60-101	200	PN16	500	41
712-0250-60-100	250	PN10	500	54
712-0250-60-101	250	PN16	500	53
712-0300-60-100	300	PN10	500	70
712-0300-60-101	300	PN16	500	70
712-0400-60-100	400	PN10	500	100
712-0400-60-101	400	PN16	500	116
712-0500-60-100	500	PN10	500	140
712-0600-60-100	600	PN10	500	184
712-0600-60-101	600	PN16	500	262

712/6110-001

Flanged pipe with wall sleeve type FF-WP

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Flange drilling	L mm	Theoretical weight/kg
712-0100-61-101	100	PN10/16	1000	31
712-0150-61-101	150	PN10/16	1000	40
712-0200-61-100	200	PN10	1000	56
712-0200-61-101	200	PN16	1000	56
712-0250-61-100	250	PN10	1000	76
712-0250-61-101	250	PN16	1000	76
712-0300-61-100	300	PN10	1000	99
712-0300-61-101	300	PN16	1000	99
712-0400-61-100	400	PN10	1000	148
712-0400-61-101	400	PN16	1000	161
712-0500-61-100	500	PN10	1000	203
712-0500-61-101	500	PN16	1000	244
712-0600-61-100	600	PN10	1000	265
712-0600-61-101	600	PN16	1000	344

712/7010-001

Double flanged duckfoot bend type N to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
712-0080-70-101	80	PN 10/16	12
712-0100-70-101	100	PN 10/16	15
712-0150-70-101	150	PN 10/16	25
712-0200-70-101	200	PN16	52
712-0250-70-101	250	PN16	84
712-0300-70-101	300	PN10	119

712/7513-001

Flange spigot piece type F to EN 545

Ductile Iron

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	D mm	Flange drilling	L mm	Theoretical weight/kg
712-0080-75-131	80	98	PN10/16	350	7.7
712-0100-75-131	100	118	PN10/16	360	11
712-0150-75-131	150	170	PN10/16	380	18
712-0200-75-130	200	222	PN10	400	27
712-0250-75-130	250	274	PN10	420	38
712-0300-75-130	300	326	PN10	440	51
712-0300-75-131	300	326	PN16	440	51
712-0350-75-130	350	378	PN10	460	65
712-0350-75-131	350	378	PN16	460	68
712-0400-75-130	400	429	PN10	480	79
712-0400-75-131	400	429	PN16	480	79
712-0500-75-130	500	532	PN10	520	115
712-0500-75-131	500	532	PN16	520	129
712-0600-75-130	600	635	PN10	560	162
712-0600-75-131	600	635	PN16	560	187

02/66-006

Flanged gate valve with position indicator

Face-to-face dimension according to EN 558 Table 2 Basic Series 15

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
02-040-66-013	40	PN10/16	14
02-050-66-013	50	PN10/16	14
02-065-66-013	65	PN10/16	15
02-080-66-013	80	PN10/16	19
02-100-66-013	100	PN10/16	25
02-125-66-013	125	PN10/16	33
02-150-66-013	150	PN10/16	54
02-200-66-003	200	PN10	76
02-200-66-013	200	PN16	76
02-250-66-003	250	PN10	121
02-250-66-013	250	PN16	121
02-300-66-003647	300	PN10	127
02-300-66-013	300	PN16	171
02-400-66-013	400	PN16	360

06/35-006

Flanged gate valve with position indicator

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
06-050-35-013	50	PN10/16	13
06-065-35-013	65	PN10/16	16
06-080-35-013	80	PN10/16	20
06-100-35-013	100	PN10/16	27
06-150-35-013	150	PN10/16	51
06-200-35-003	200	PN10	71
06-250-35-003	250	PN10	102
06-300-35-003	300	PN10	110
06-350-35-003	350	PN10	220
06-400-35-003	400	PN10	240

20/908-001

Mounting kit for micro switch (NRS valves)

Ductile Iron

AVK ref. no.	DN mm
20-065-90-800	50-65
20-080-90-800	80
20-100-90-800	100
20-125-90-800	125
20-150-90-800	150
20-200-90-800	200
20-250-90-800	250
20-300-90-800	300
20-400-90-800	350-400

96/00-002

Limit switch IN62 and BI 2 for AVK position indicator gate valves - UL listed

AVK ref. no.	
96-400-00003	(1)
96-400-00011	(2)

(1) IN62

(2) "BI 2"

06/80-0035

Flanged gate valve

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
06-040-80-0136499	40	PN10/16	7.7
06-050-80-0136499	50	PN10/16	8.5
06-065-80-0136499	65	PN10/16	11
06-080-80-0136499	80	PN10/16	14
06-100-80-0136499	100	PN10/16	17
06-125-80-0136499	125	PN10/16	22
06-150-80-0136499	150	PN10/16	31
06-200-80-0036499	200	PN10	48
06-200-80-0136499	200	PN16	48
06-250-80-0036499	250	PN10	78
06-250-80-0136499	250	PN16	78
06-300-80-0036487	300	PN10	110
06-300-80-0136487	300	PN16	110
06-350-80-002	350	PN10	220
06-400-80-002	400	PN10	240
06-400-80-013	400	PN16	240
06-450-80-003 (1)	450	PN10	487
06-450-80-013 (1)	450	PN16	487
06-500-80-003 (1)	500	PN10	559
06-500-80-013 (1)	500	PN16	519
06-600-80-003 (1)	600	PN10	762
06-600-80-013 (1)	600	PN16	722

(1) With F14 top flange

06/84-0035

Flanged gate valve with AISI 316 stem

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
06-040-84-0136499	40	PN10/16	7.7
06-050-84-0136499	50	PN10/16	8.5
06-065-84-0136499	65	PN10/16	11
06-080-84-0136499	80	PN10/16	14
06-100-84-0136499	100	PN10/16	17
06-125-84-0136499	125	PN10/16	22
06-150-84-0136499	150	PN10/16	31
06-200-84-0036499	200	PN10	48
06-200-84-0136499	200	PN16	48
06-250-84-0036499	250	PN10	78
06-250-84-0136499	250	PN16	78
06-300-84-0036487	300	PN10	110
06-300-84-0136487	300	PN16	110
06-350-84-003	350	PN10	220
06-350-84-013	350	PN16	220
06-400-84-003	400	PN10	240
06-400-84-013	400	PN16	240
06-450-84-003 (1)	450	PN10	487
06-450-84-013 (1)	450	PN16	487
06-500-84-003 (1)	500	PN10	559
06-500-84-013 (1)	500	PN16	559
06-600-84-003 (1)	600	PN10	762
06-600-84-013 (1)	600	PN16	722

(1) With F14 top flange

15/42-006

Flanged gate valve prepared for actuator

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
15-040-40-013	40	PN10/16	13
15-050-40-013	50	PN10/16	14
15-065-42-013	65	PN10/16	17
15-080-42-01364099	80	PN10/16	15
15-100-42-01364099	100	PN10/16	18
15-125-42-01364099	125	PN10/16	22
15-150-42-01364099	150	PN10/16	31
15-200-42-00364099	200	PN10	49
15-200-42-01364099	200	PN16	49
15-250-42-003	250	PN10	113
15-250-42-013	250	PN16	113
15-300-42-003	300	PN10	160
15-300-42-013	300	PN16	160
15-350-40-003	350	PN10	223
15-400-40-003	400	PN10	243
15-400-40-013	400	PN16	243

15/43-006

Flanged gate valve prepared for actuator

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
15-050-43-01310	50	PN16	14
15-065-43-01310	65	PN16	17
15-080-43-01310099	80	PN16	15
15-100-43-01310099	100	PN16	18
15-125-43-01310099	125	PN16	22
15-150-43-01310099	150	PN16	31
15-200-43-00310099	200	PN10	49
15-250-43-00310	250	PN10	113
15-250-43-01310	250	PN16	113
15-300-43-00310	300	PN10	160
15-300-43-01310	300	PN16	160
15-350-43-00310	350	PN10	322
15-350-43-01310	350	PN16	322
15-400-43-00310	400	PN10	243
15-400-43-01310	400	PN16	243

752/30-001

AUMA actuators SA

Design features

- Torque range from 10 Nm to 32,000 Nm
- Output speeds from 4 to 180 rpm
- Limit and torque sensing
- Available with 3-ph AC, 1-ph AC and DC motors
- Handwheel for manual operation
- Ambient conditions
- High enclosure protection
- High quality corrosion protection
- Wide ambient temperature ranges

Please consult with AVK for exact actuator specifications

AVK ref. no.	DN/DN	Actuator	Theoretical weight/kg
	40 - 150	SA7,6	22
	200	SA10,2	28
	250 - 300	SA14,2	59
	350 - 600	SA14,6	54

715/30-003

Pneumatically controlled gate valve with solenoid valve kit and proximity switch
Double-acting
Face-to-face dimension according to EN 558 Table 2 Basic Series 14
Ductile Iron
NBR rubber
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
715-065-30-03009	65	PN10/16	18
715-080-30-03009	80	PN10/16	22
715-100-30-03009	100	PN10/16	27
715-125-30-030099	125	PN10/16	30
715-150-30-03009	150	PN10/16	52
715-200-30-03009	200	PN10	75
715-250-30-03009	250	PN10	112
715-300-30-03009	300	PN10	180
715-350-30-03009	350	PN10	252

36/8X-015

Service connection valve with SDR11 PE ends – PE100 PN16 black/blue pipes
Ductile Iron
NBR rubber
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved
Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-032-84-16306499	25	32	PN16	2.7
36-040-84-16306499	32	40	PN16	3.4
36-050-84-163	40	50	PN16	5.6
36-063-84-163	50	63	PN16	6.8

36/84-116

Gate valve with PE ends, PE100 PN16 SDR11 black/blue pipes
Ductile Iron
NBR rubber
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved
Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-075-84-163	65	75	PN16	12
36-090-84-16306499	80	90	PN16	12
36-110-84-16306499	100	110	PN16	17
36-125-84-16306499	125	125	PN16	26
36-140-84-16306499	125	140	PN16	26
36-160-84-16306499	150	160	PN16	36
36-200-84-16306499	200	200	PN16	63
36-225-84-16306499	200	225	PN16	72
36-250-84-163	250	250	PN16	118
36-280-84-163	250	280	PN16	126
36-315-84-163	300	315	PN16	189

41/60-003

Swing check valve with free shaft end
Resilient seated
Face-to-face dimension according to EN 558 Table 2 Basic Series 48
Ductile Iron
EPDM rubber wedge, WRAS appr.
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
41-050-60-018	50	PN10/16	13
41-065-60-018	65	PN10/16	16
41-080-60-018	80	PN10/16	20
41-100-60-018	100	PN10/16	21
41-125-60-018	125	PN10/16	36
41-150-60-018	150	PN10/16	51
41-200-60-008	200	PN10	83
41-200-60-018	200	PN16	83
41-250-60-008	250	PN10	183
41-250-60-018	250	PN16	183
41-300-60-008	300	PN10	231
41-300-60-018	300	PN16	231

41/61-003

Swing check valve with closed bushings
Resilient seated
Face-to-face dimension according to EN 558 Table 2 Basic Series 48
Ductile Iron
EPDM rubber wedge, WRAS appr.
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
41-050-61-018	50	PN10/16	12
41-065-61-018	65	PN10/16	15
41-080-61-018	80	PN10/16	17
41-100-61-018	100	PN10/16	21
41-125-61-018	125	PN10/16	40
41-150-61-018	150	PN10/16	42
41-200-61-008	200	PN10	67
41-200-61-018	200	PN16	67
41-250-61-008	250	PN10	183
41-250-61-018	250	PN16	186
41-300-61-008	300	PN10	197
41-300-61-018	300	PN16	196

41/32-001

Swing check valve spring kit
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN/DN	Theoretical weight/kg
41-050-32-000	50 - 50	2.0
41-065-32-000	65 - 65	2.0
41-080-32-000	80 - 80	3.0
41-100-32-000	100 - 100	3.4
41-125-32-000	125 - 125	3.4
41-150-32-000	150 - 150	3.4
41-200-32-000	200 - 200	3.4
41-300-32-000	250 - 300	3.4

41/D-001

Swing check valve lever and weight kit
Ductile Iron
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN/DN	Theoretical weight/kg
41-080-23-000	50 - 80	2.8
41-100-23-000	100 - 100	2.9
41-150-23-000	125 - 150	5.6
41-200-23-000	200 - 200	5.7
41-300-23-000	250 - 300	13

41-G/PARTS-001

Top for check valve series 41/60
EPDM rubber
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Theoretical weight/kg
41-050-02-28200	50	2.6
41-080-02-28200	80	2.9
41-100-02-28200	100	3.8
41-150-02-28200	150	8.6
41-200-02-28200	200	13
41-250-02-28200	250	47

41-G/PARTS-002

Top for check valve series 41/61

EPDM rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Theoretical weight/kg
41-050-02-27000	50	2.5
41-080-02-27000	80	2.6
41-100-02-27000	100	3.6
41-150-02-27000	150	7.6
41-200-02-27000	200	12
41-300-02-27000	300	48

41/36-001

Swing check valve with lever and weight
Metal seated

Face-to-face dimension according to EN 558 Table 2 Basic Series 48

Ductile Iron

EPDM rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
41-350-36-00800	350	PN10	307
41-350-36-01800	350	PN16	307
41-400-36-00800	400	PN10	447
41-400-36-01800	400	PN16	447
41-450-36-00800	450	PN10	575
41-450-36-01800	450	PN16	583
41-500-36-00800	500	PN10	750
41-500-36-01800	500	PN16	750
41-600-36-00800	600	PN10	1006
41-600-36-01800	600	PN16	1006

41/36-009

Swing check valve with lever and weight
Metal seated

Face-to-face dimension according to EN 558 Table 2 Basic Series 10

Ductile Iron

EPDM rubber wedge, WRAS appr.

Blue epoxy RAL 5017 250 µm

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
41-050-36-01800	50	PN10/16	13
41-080-36-01800	80	PN10/16	19
41-100-36-01800	100	PN10/16	22
41-150-36-01800	150	PN10/16	41
41-200-36-00800	200	PN10	74
41-200-36-01800	200	PN16	64
41-250-36-00800	250	PN10	145
41-250-36-01800	250	PN16	145
41-300-36-00800	300	PN10	195
41-300-36-01800	300	PN16	195

BALL CHECK VALVES

AVK ball check valves in DN32-600 are available with NBR lined ball as standard and with polyurethane ball for abrasive media or when different ball weights are needed to prevent noise and water hammer.

Main features:

- Can be installed in both horizontal and vertical positions
- Self-cleaning construction
- Full and smooth bore ensures low head loss
- Tightness at minimum back pressure
- Polyurethane balls available for abrasive media
- Different ball weights available
- In ductile iron or acid-resistant stainless steel
- Available up to DN 600

53/35-003
Ball check valve with flanges
Face-to-face dimension according to EN 558 Table 2 Basic Series 48
Ductile Iron
NBR rubber
AVK coating standard

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
53-050-35-1007	50	PN10/16	7.5
53-065-35-1007	65	PN10/16	10
53-080-35-1007	80	PN10/16	12
53-100-35-1007	100	PN10/16	16
53-125-35-1007	125	PN10/16	35
53-150-35-1007	150	PN10/16	32
53-200-35-0007	200	PN10	68
53-200-35-1007	200	PN16	68
53-250-35-0007	250	PN10	93
53-250-35-1007	250	PN16	93
53-300-35-0007	300	PN10	124
53-300-35-1007	300	PN16	124
53-350-35-0007	350	PN10	231
53-350-35-1007	350	PN16	231
53-400-35-0007	400	PN10	416
53-400-35-1007	400	PN16	416
53-500-35-0007 (1)	500	PN10	712
53-600-35-0207 (2)	600	PN10	1200

(1) Approximate TÜV test
(2) Approximate TÜV test. Supplied with PUR lined ball as standard

53/42-001
Ball check valve with flanges
Face-to-face dimension according to EN 558 Table 2 Basic Series 48
Stainless steel AISI 316
NBR rubber

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
53-080-42-1090	80	PN10/16	12
53-100-42-1090	100	PN10/16	16
53-150-42-1090	150	PN10/16	31

53/30-005

Ball check valve with BSP threads

Ductile Iron

NBR rubber

AVK coating standard

AVK ref. no.	DN mm	Product PN Class	BSP thread Inch	Theoretical weight/kg
53-032-30-9007	32	PN10	1¼	2.0
53-040-30-9007	40	PN10	1½	2.0
53-050-30-9007	50	PN10	2	3.0

53/40-005

Ball check valve with BSP threads

Stainless steel AISI 316

NBR rubber

AVK ref. no.	DN mm	Product PN Class	BSP thread Inch	Theoretical weight/kg
53-032-40-9090	32	PN10	1¼	2.0
53-040-40-9090	40	PN10	1½	2.0
53-050-40-9090	50	PN10	2	3.0
53-065-40-9090	65	PN10	2½	7.0
53-080-40-9090	80	PN10	3	7.0

53/35 Spare parts

NBR coated ball

AVK ref. no.	DN mm	Theoretical weight/kg
53-048-150	32/40	0,1
53-060-150	50	0,2
53-080-150	65	0,4
53-095-150	80	0,6
53-120-150	100	1,3
53-175-150	125/150	3,9
53-240-150	200	9,4
53-300-150	250	18
53-360-150	300	30
53-420-150	350	48
53-480-150	400	72
53-620-250	500	175
53-750-255 [1]	600	310

[1] Bola recubierta de poliuretano

53/35 Spare parts

Solid polyurethane ball

Recommended for water with numerous particles solid, e.g. sands

PUR balls of different weights, on request.

AVK ref. no.	DN mm	Theoretical weight/kg
53-048-050	32/40	0,1
53-060-050	50	0,2
53-080-050	65	0,3
53-095-050	80	0,6
53-120-050	100	1,3
53-175-050	125/150	3,9
53-240-050	200	9,4
53-300-050	250	18
53-360-050	300	30
53-420-050	350	48
53-480-050	400	72

KNIFE GATE VALVES

AVK knife gate valves are bi-directional and allow installation without any restrictions as to the direction of the flow. Protected sealings, high quality materials and a full, plain bore ensure a great performance and a long service life.

Other features

- Replaceable top packing gland without demounting the valve
- U-shaped reinforced NBR sealing
- Encaged stem with yokes prepared for inductive censors and micro switches
- Gate supports integrated in the body
- Gate, stem, bolts and nuts of acid-resistant stainless steel
- Body of ductile iron with 150µ epoxy coating (alternatively AISI 316 or other materials)
- Slim design and low weight
- Available up to PN100
- ATEX-approved

702/10-103

Knife gate valve with non-rising stem and handwheel
Face-to-face dimension according to DIN/EN 558-1, series 20 (K1), up to and incl. DN 350
Ductile Iron
NBR rubber
UV-resistant polyester

AVK ref. no.	DN mm	Flange drilling	Working Pressure bar	Theoretical weight/kg
702-0050-10-0000141	50	PN10	10	6.7
702-0065-10-0000141	65	PN10	10	8.2
702-0080-10-0000143	80	PN10	10	12
702-0100-10-0000152	100	PN10	10	14
702-0125-10-0000154	125	PN10	10	19
702-0150-10-0000155	150	PN10	10	29
702-0200-10-0000031	200	PN10	10	45
702-0250-10-0000031	250	PN10	10	62
702-0300-10-0000028	300	PN10	10	86
702-0350-10-0000031	350	PN10	6	124
702-0400-10-0000020	400	PN10	6	160
702-0450-10-0000025	450	PN10	4	228
702-0500-10-0000017	500	PN10	4	279
702-0600-10-0000017	600	PN10	4	374

702/20-103

Knife gate valve **with rising stem** and handwheel
Face-to-face dimension according to DIN/EN 558-1, series 20 (K1, up to and incl. DN 350
Ductile Iron
NBR rubber
UV-resistant polyester

AVK ref. no.	DN mm	Flange drilling	Working Pressure bar	Theoretical weight/kg
702-0050-10-0000133	50	PN10	10	6.5
702-0065-10-0000133	65	PN10	10	8.0
702-0080-10-0000135	80	PN10	10	12
702-0100-10-0000144	100	PN10	10	14
702-0125-10-0000146	125	PN10	10	19
702-0150-10-0000147	150	PN10	10	28
702-0200-10-0000026	200	PN10	10	44
702-0250-10-0000026	250	PN10	10	62
702-0300-10-0000023	300	PN10	10	85
702-0350-10-0000026	350	PN10	6	124
702-0400-10-0000016	400	PN10	6	159
702-0450-10-0000022	450	PN10	4	227
702-0500-10-0000015	500	PN10	4	278
702-0600-10-0000015	600	PN10	4	382

702/30-103

Knife gate valve with quick operation lever

Face-to-face dimension according to DIN/EN 558-1, series 20 (K1), up to and incl. DN 350

Ductile Iron

NBR rubber

UV-resistant polyester

AVK ref. no.	DN mm	Flange drilling	Working Pressure bar	Theoretical weight/kg
702-050-30-134	50	PN10/16	5	9.5
702-065-30-134	65	PN10/16	5	12
702-080-30-134	80	PN10/16	5	17
702-100-30-134	100	PN10/16	5	20
702-125-30-134 (1)	125	PN10/16	5	23
702-150-30-134 (1)	150	PN10/16	2	36

(1) Without a replaceable top packing gland

702/40-103

Knife gate valve with pneumatic double-acting actuator

Face-to-face dimension according to DIN/EN 558-1, series 20 (K1), up to and incl. DN 350

Ductile Iron

NBR rubber

UV-resistant polyester

AVK ref. no.	DN mm	Flange drilling	Working Pressure bar	Theoretical weight/kg
702-0050-10-0000123	50	PN10	10	7.9
702-0065-10-0000123	65	PN10	10	9.5
702-0080-10-0000121	80	PN10	10	13
702-0100-10-0000130	100	PN10	10	16
702-0125-10-0000134	125	PN10	10	22
702-0150-10-0000135	150	PN10	10	33
702-0200-10-0000019	200	PN10	10	52
702-0250-10-0000019	250	PN10	10	71
702-0300-10-0000018	300	PN10	10	93
702-0350-10-0000019	350	PN10	6	153
702-0400-10-0000012	400	PN10	6	185
702-0450-10-0000017	450	PN10	4	271
702-0500-10-0000011	500	PN10	4	326
702-0600-10-0000011	600	PN10	4	441

702/50-103

Knife gate valve with rising stem and ISO flange prepared for el-act.

Face-to-face dimension according to DIN/EN 558-1, series 20 (K1), up to and incl. DN 350

Ductile Iron

NBR rubber

UV-resistant polyester

AVK ref. no.	DN mm	Flange drilling	Working Pressure bar	Theoretical weight/kg
702-0050-10-0000446	50	PN10	10	7.5
702-0065-10-0000446	65	PN10	10	9.6
702-0080-10-0000501	80	PN10	10	13
702-0100-10-0000513	100	PN10	10	15
702-0125-10-0000503	125	PN10	10	20
702-0150-10-0000504	150	PN10	10	29
702-0200-10-0000561	200	PN10	10	43
702-0250-10-0000563	250	PN10	10	61
702-0300-10-0000491	300	PN10	10	83
702-0350-10-0000563	350	PN10	6	122
702-0400-10-0000472	400	PN10	6	157
702-0450-10-0000459	450	PN10	4	235
702-0500-10-0000440	500	PN10	4	289
702-0600-10-0000440	600	PN10	4	397

AUMA actuators SA

Design features

- Torque range from 10 Nm to 32,000 Nm
- Output speeds from 4 to 180 rpm
- Limit and torque sensing
- Available with 3-ph AC, 1-ph AC and DC motors
- Handwheel for manual operation

Ambient conditions

- High enclosure protection
- High quality corrosion protection
- Wide ambient temperature ranges

Please consult with AVK for exact actuator specifications

AVK ref. no.	Model	DN mm	PN	PT	Theoretical weight/kg
	SA 07.2 F10-A 45rpm (19 seg)	50	PN10/16	10	19
	SA 07.2 F10-A 45rpm (23 seg)	65	PN10/16	10	19
	SA 07.2 F10-A 45rpm (28 seg)	80	PN10/16	10	19
	SA 07.2 F10-A 45rpm (35 seg)	100	PN10/16	10	19
	SA 07.2 F10-A 45rpm (44 seg)	125	PN10/16	10	19
	SA 07.6 F10-A 45rpm (41 seg)	150	PN10/16	10	21
	SA 07.6 F10-A 45rpm (55 seg)	200	PN10/16	10	21
	SA 10.2 F10-A 45rpm (68 seg)	250	PN10/16	10	25
	SA 10.2 F10-A 45rpm (81 seg)	300	PN10/16	10	25
	SA 10.2 F10-A 45rpm (95 seg)	350	PN10/16	6	25
	SA 10.2 F10-A 45rpm (108 seg)	400	PN10/16	6	25
	SA 14.6 F14-A 45rpm (87 seg)	450	PN10/16	4	53
	SA 14.6 F14-A 45rpm (96 seg)	500	PN10/16	4	53
	SA 14.6 F14-A 45rpm (115 seg)	600	PN10/16	4	53

702/90-103

Knife gate valve with square cap

Face-to-face dimension according to DIN/EN 558-1, series 20 (K1), up to and incl. DN 350

Ductile Iron

NBR rubber

UV-resistant polyester

AVK ref. no.	DN mm	Flange drilling	Working Pressure bar	Theoretical weight/kg
702-0050-10-0000114	50	PN10	10	6.6
702-0065-10-0000114	65	PN10	10	8.7
702-0080-10-0000112	80	PN10	10	11
702-0100-10-0000121	100	PN10	10	14
702-0125-10-0000125	125	PN10	10	19
702-0150-10-0000126	150	PN10	10	29
702-0200-10-0000014	200	PN10	10	43
702-0250-10-0000014	250	PN10	10	61
702-0300-10-0000013	300	PN10	10	84
702-0350-10-0000014	350	PN10	6	122
702-0400-10-0000008	400	PN10	6	158
702-0450-10-0000012	450	PN10	4	225
702-0500-10-0000007	500	PN10	4	277
702-0600-10-0000007	600	PN10	4	383

04/04-001

Telescopic extension spindle for gate valves

Key adaptor #23-32

L8 = Actual length

Polyethylene (PE)

AVK ref. no.	DN/DN	L8 mm	F3 mm	Theoretical weight/kg
04-300-4-0002	250 - 300	450 - 700	23 - 32	2.4
04-300-4-0502	250 - 300	650 - 1100	23 - 32	3.2
04-300-4-1002	250 - 300	1050 - 1750	23 - 32	4.6
04-300-4-1202	250 - 300	1400 - 2350	23 - 32	5.7
04-300-4-1502	250 - 300	1700 - 2900	23 - 32	7.1
04-300-4-2202	250 - 300	2850 - 5250	23 - 32	11

702/73-103

Knife gate valve with linear actuator

Face-to-face dimension according to DIN/EN 558-1, series 20 (K1)

Ductile Iron

NBR rubber

UV-resistant polyester

AVK ref. no.	DN mm	Flange drilling	Working Pressure bar	Theoretical weight/kg
702-0050-10-0000093	50	PN10	10	8.1
702-0065-10-0000093	65	PN10	10	9.5
702-0080-10-0000095	80	PN10	10	13
702-0100-10-0000103	100	PN10	10	16
702-0125-10-0000104	125	PN10	10	21
702-0150-10-0000105	150	PN10	10	29
702-0200-10-0000288	200	PN10	10	44
702-0250-10-0000288	250	PN10	10	66
702-0300-10-0000252	300	PN10	10	88

702/099-010

Control unit and battery back-up for knife gate valves series 702/73.

The control unit (WCU) performs the opening and closing of valves. The external battery back-up WCU-UPS can be connected to the WCU to ensure a fully operational valve unit in case of failure in the main power supply.

AVK ref. no.	
702-099-010	(1)
702-099-012	(2)
702-099-016	(3)
702-099-020	(4)
702-099-022	(5)
702-099-024	(6)
702-099-026	(7)
702-099-028	(8)
702-099-030	(9)

(1) Control unit WCU Basic, on/off, reg 4-20 mA
(2) Control unit WCU Bus, on/ off, reg 4-20 mA
(3) Battery back-up WCU UPS
(4) Cable 1,5 m for motor
(5) Cable 5,0 m for motor
(6) Cable 10,0 m for motor
(7) Cable 1,5 m for signal
(8) Cable 5,0 m for signal
(9) Cable 10,0 m for signal

702/099-011

Programme interface for control units for knife gate valves series 702/73 used for changing and copying parameters as well as monitoring dynamic values in driver units.

AVK ref. no.
702-099-018

772/61-001

AVK wall penstock with non-rising stem
Closed frame for wall mounting
Stainless steel
EPDM rubber

AVK ref. no.		Size mm	Theoretical weight/kg
772-02000200-61-521001		200 - 200	16
772-03000300-61-521001		300 - 300	23
772-04000400-61-521001		400 - 400	41
772-05000500-61-521001		500 - 500	52
772-06000600-61-521001		600 - 600	67
772-07000700-61-521001		700 - 700	80
772-08000800-61-521001		800 - 800	96
772-09000900-61-521001		900 - 900	147
772-10001000-61-521001		1000 - 1000	168
772-11001100-61-221021	(1)	1100 - 1100	209
772-12001200-61-221021	(1)	1200 - 1200	242

(1) With wormgear

772/7172-001

AVK channel penstock with non-rising stem
For embedding in concrete
Stainless steel
EPDM rubber

AVK ref. no.	Size mm	Theoretical weight/kg
772-02000200-71-651001	200 - 200	16
772-03000300-71-651001	300 - 300	22
772-04000400-71-651001	400 - 400	28
772-05000500-71-651001	500 - 500	35
772-06000600-71-651001	600 - 600	53
772-07000700-71-651001	700 - 700	64
772-08000800-71-651001	800 - 800	75
772-09000900-71-651001	900 - 900	93
772-10001000-71-651001	1000 - 1000	107
772-11001100-71-751001	1100 - 1100	146
772-12001200-71-751001	1200 - 1200	179
772-13001300-71-751001	1300 - 1300	198
772-14001400-71-751001	1400 - 1400	218
772-15001500-71-751021	1500 - 1500	252

AIR VALVES FOR WASTEWATER

AVK combination air valves combine an air & vacuum orifice and an automatic air release orifice in one body.

The innovative design with a large air gap between liquid and sealing system ensures a reliable function, even when used with aggressive liquids and liquids containing solid particles.

Other features:

- Conical shape allows maximum air volume in a compact valve body
- Funnel-shaped lower body prevents accumulation of deposits
- Large automatic orifice releases large volumes of air under pressure
- Spring between upper and lower float prevents unnecessary activation of the automatic function
- Drainage and flushing from external clean water source is possible
- An exhaust tube can be mounted in the threaded opening on the top of the valve
- Low-weight body of steel or reinforced polyamide

701/33-010
Air & vacuum valve
Steel
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	Flange drilling	Theoretical weight/kg
701-080-33-11003	80	PN16	24
701-100-33-11003	100	PN16	26

701/70-010
Combination air valve
Steel
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	H3 mm	Connection	Flange drilling	Theoretical weight/kg
701-050-70-11003	50	605	50mm	PN10/16	17
701-051-70-91003	50	644	2" BSP	NONE	16
701-080-70-11003	80	605	80mm	PN10/16	18
701-100-70-11003	100	605	100mm	PN10/16	19
701-150-70-11003	150	610	150mm	PN10/16	21
701-200-70-01001	200	610	200mm	PN10	24
701-200-70-11003	200	610	200mm	PN16	24

701/75-010
Short combination air valve - PN10
Reinforced polyamide

AVK ref. no.	DN mm	H3 mm	Connection	Flange drilling	Theoretical weight/kg
701-050-75-09001	50	460	50mm	PN10/16	4.2
701-051-75-09001	50	455	2" BSP	NONE	3.7
701-080-75-09001	80	460	80mm	PN10/16	4.3
701-081-75-09001	80	455	3" BSP	NONE	3.8
701-100-75-09001	100	460	100mm	PN10/16	6.0

701/78-010

Large combination air valve

Steel

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

AVK ref. no.	DN mm	H3 mm	Connection	Flange drilling	Theoretical weight/kg
701-080-78-11003	80	580	80 MM	PN10/16	25
701-100-78-11003	100	580	100 MM	PN10/16	27
701-150-78-11003	150	580	150 MM	PN10/16	28
701-200-78-01003	200	580	200 MM	PN10	30
701-200-78-11003	200	580	200 MM	PN16	30

701/79-011

Underground air valve system, high or low

Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	H3 mm	Theoretical weight/kg
701-080-79-190010 (1)	80	PN10	970	38
701-081-79-190010 (2)	80	PN10	970	38
701-082-79-190013 (3)	80	PN10	970	38
701-083-79-190013 (4)	80	PN10	970	38
701-084-79-190010 (1)	80	PN10	1170	39
701-085-79-190010 (2)	80	PN10	1170	39
701-086-79-190013 (3)	80	PN10	1170	39
701-087-79-190013 (4)	80	PN10	1170	39
701-100-79-190013 (5)	100	PN10	970	38
701-101-79-190013 (6)	100	PN10	970	38
701-102-79-190013 (5)	100	PN10	1170	39
701-103-79-190013 (6)	100	PN10	1170	39

(1) 3" thread, nylon
(2) 3" thread, stainless steel
(3) 3" flanged, nylon
(4) 3" flanged, stainless steel
(5) 4" flanged, nylon
(6) 4" flanged, stainless steel

701/95-010

Short combination air valve - PN16

Reinforced polyamide

AVK ref. no.	DN mm	H3 mm	Connection	Flange drilling	Theoretical weight/kg
701-050-95-190033	50	571	50mm	PN10/16	7.5
701-051-95-99003	50	566	2" BSP	NONE	6.8
701-080-95-190033	80	571	80mm	PN10/16	7.8
701-081-95-99003	80	566	3" BSP	NONE	6.9
701-100-95-190033	100	571	100 MM	PN16	8.0

701/96-010

Short combination air valve - PN16

Stainless steel

AVK ref. no.	DN mm	Connection	Theoretical weight/kg
701-051-96-990032	50	2" BSP	13
701-081-96-990032	80	3" BSP	13

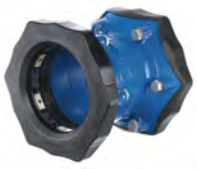
631/80-001

Supa Maxi™ straight coupling, universal and tensile with A2 bolts / A4 nuts

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved



AVK ref. no.	DN mm	Seal range SR1 mm	Theoretical weight/kg
631-071-80-2	50	48-71	6.0
631-091-80-2	65	69-91	7.0
631-106-80-2	80	82-106	7.5
631-133-80-2	100	104-133	11
631-161-80-2	125	132-159	13
631-188-80-2	150	159-188	16
631-227-80-2	200	193-227	25
631-257-80-2	225	224-257	37
631-301-80-2	250	266-301	35
631-356-80-2	300	314-356	45
631-396-80-2	350	352-396	114
631-442-80-2	400	392-442	107
631-510-80-2	450	448-510	177
631-552-80-2	500	498-552	201
631-652-80-2	600	604-652	241
631-745-80-2	700	700-745	396

633/80-001

Supa Maxi™ flange adaptor, universal and tensile with A2 bolts / A4 nuts

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Seal range SR1 mm	Flange drilling	Theoretical weight/kg
633-071-80-002	40	48-71	10/16	5.0
633-091-80-002	65	69-91	10/16	6.0
633-106-80-002	80	82-106	10/16	6.5
633-133-80-002	100	104-133	10/16	9.0
633-161-80-002	100	132-159	10/16	11
633-188-80-002	150	159-188	10/16	12
633-227-80-002	200	193-227	10/16	19
633-257-80-002	225	224-257	10/16	25
633-301-80-002	250	266-301	10/16	28
633-356-80-002	300	314-356	10/16	38
633-396-80-002	350	352-396	10/16	87
633-442-80-002	400	392-442	10/16	89
633-510-80-002	450	448-510	10/16	145
633-552-80-002	500	498-552	10/16	166
633-652-80-002	600	604-652	10/16	213
633-745-80-002	700	700-745	10/16	379


35 m
UITZONDERLIJK
VERVOER
60
AVR

06/70-003

Flanged gate valve

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	PED PS bar	Theoretical weight/kg
06-040-70-01237	40	PN10/16	16	10
06-050-70-01237	50	PN10/16	16	10
06-065-70-01237	65	PN10/16	16	13
06-080-70-01237	80	PN10/16	16	15
06-100-70-01237	100	PN10/16	16	22
06-125-70-01237	125	PN10/16	16	27
06-150-70-01237	150	PN10/16	16	36
06-200-70-00237	200	PN10	15	52
06-200-70-01237	200	PN16	15	54
06-250-70-00237	250	PN10	12	79
06-250-70-01237 (1)	250	PN16	12	80
06-300-70-00237	300	PN10	10	116
06-350-70-00337 (1)	350	PN10	8.5	220
06-350-70-01337 (1)	350	PN16	8.5	220
06-400-70-00337 (1)	400	PN10	7.5	240
06-400-70-01337 (1)	400	PN16	7.5	240
06-450-70-01337 (2)	450	PN16	7	487
06-500-70-00337 (2)	500	PN10	7	559
06-500-70-01337 (2)	500	PN16	7	559
06-600-70-00337 (3)	600	PN10	7	762
06-600-70-01337 (3)	600	PN16	7	762

(1) Not ÖVGW approved

(2) With F14 top flange. Not ÖVGW approved

(3) With F14 top flange. Not ÖVGW nor SVGW approved

06/59-003

Flanged gate valve with position indicator

Face-to-face dimension according to EN 558 Table 2 Basic Series 14

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	Flange drilling	Theoretical weight / kg
06-050-59-01337	50	PN10/16	12
06-065-59-01337	65	PN10/16	15
06-080-59-01337	80	PN10/16	19
06-100-59-01337	100	PN10/16	21
06-150-59-01337	150	PN10/16	36
06-200-59-01337	200	PN16	52
06-250-59-01337	250	PN16	79
06-300-59-01337	300	PN16	110
06-400-59-01337	400	PN16	240

36/90-170

Gate valve with PE100/PE100 -RC PN10 SDR11 pipes acc. to EN 1555-2

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-075-90-703037	65	75	PN10	15
36-090-90-703037	80	90	PN10	20
36-110-90-703037	100	110	PN10	27
36-125-90-703037	125	125	PN10	39
36-160-90-703037	150	160	PN10	52
36-180-90-703037	150	180	PN10	58
36-200-90-703037	200	200	PN10	88
36-225-90-703037	200	225	PN10	91
36-250-90-703037	250	250	PN10	118
36-280-90-703037	250	280	PN10	126
36-315-90-703037	300	315	PN10	140
36-355-90-703037	300	355	PN10	270
36-400-90-703037	400	400	PN10	376

36/90-171

Gate valve with PE100/PE100 -RC PN10 SDR11 pipes machined to PN5 SDR17 acc. to EN 1555-2

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-075-90-713037	65	75	PN 5	15
36-090-90-713037	80	90	PN 5	20
36-110-90-713037	100	110	PN 5	27
36-125-90-713037	125	125	PN 5	39
36-160-90-713037	150	160	PN 5	52
36-180-90-713037	150	180	PN 5	58
36-200-90-713037	200	200	PN 5	88
36-225-90-713037	200	225	PN 5	91
36-250-90-713037	250	250	PN 5	118
36-280-90-713037	250	280	PN 5	126
36-315-90-713037	300	315	PN 5	140

36/90-185

Gate valve with PE100/PE100 -RC PN10 SDR11 pipes acc. to EN 1555-2

Ductile Iron

NBR rubber

With external PUR coating

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-075-90-701	65	75	PN10	15
36-090-90-701	80	90	PN10	20
36-110-90-701	100	110	PN10	27
36-125-90-701	125	125	PN10	39
36-160-90-701	150	160	PN10	52
36-200-90-701	200	200	PN10	88
36-225-90-701	200	225	PN10	91
36-250-90-701	250	250	PN10	118
36-280-90-701	250	280	PN10	126
36-315-90-701	300	315	PN10	140
36-355-90-701	300	355	PN10	270
36-400-90-701	400	400	PN10	376

38/90-118

Gate valve with flange/PE end, PE100 PN10 SDR11

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	D mm	Flange drilling	Product PN Class	Theoretical weight/kg
38-063-90-703037	50	63	PN10/16	PN10	12
38-090-90-703037	80	90	PN10/16	PN10	20
38-110-90-703037	100	110	PN10/16	PN10	27
38-125-90-703037	125	125	PN10/16	PN10	39
38-160-90-703037	150	160	PN10/16	PN10	52
38-180-90-703037	150	180	PN10/16	PN10	58
38-225-90-703037	200	225	PN10	PN16	91

36/9X-170

Service connection valve with PE100/PE100-RC PN10 SDR11 pipes

Ductile Iron

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-032-90-703037 (1)	25	32	PN10	5.1
36-040-90-703037 (1)	32	40	PN10	5.5
36-050-90-703037 (1)	40	50	PN10	7.1
36-063-90-703037	50	63	PN10	8.0
36-063-90-713037 (2)	50	63	PN 5	8.0

(1) Not CE approved

(2) Machined to PN5 SDR17 pipe

36/9X-185

Service connection valve with PE100/PE100-RC PN10 SDR11 pipes

Ductile Iron

NBR rubber

With external PUR coating

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
36-032-90-701 (1)	25	32	PN10	5.1
36-040-90-701 (1)	32	40	PN10	5.5
36-050-90-701 (1)	40	50	PN10	7.1
36-063-90-701	50	63	PN10	8.0
36-063-90-711 (2)	50	63	PN 5	8.0

(1) Not CE approved

(2) Machined to PN5 SDR17 pipe

46/64-005

Gate valve with short spigot ends

End to end according to EN12982 Basic Series 15

Cast steel

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
46-050-64-01237	50	PN16	7.6
46-080-64-01237	80	PN16	12
46-100-64-01237	100	PN16	17
46-150-64-01237	150	PN16	49
46-200-64-01237	200	PN16	53
46-250-64-01237	250	PN16	88
46-300-64-01337	300	PN16	135

46/64-010

Gate valve with short spigot ends

End to end according to EN12982 Basic Series 15

Cast steel

NBR rubber

With external PUR coating

Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
46-050-64-01280	50	PN16	8.2
46-080-64-01280	80	PN16	12
46-100-64-01280	100	PN16	18
46-150-64-01280	150	PN16	35
46-200-64-01280	200	PN16	61
46-250-64-01280	250	PN16	86
46-300-64-01380	300	PN16	126

46/70-005

Gate valve with long spigot ends

Cast steel

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
46-050-70-01237	50	60,3	PN16	9.2
46-080-70-01237	80	88,9	PN16	15
46-100-70-01237	100	114,3	PN16	19
46-150-70-01237	150	168,3	PN16	36
46-200-70-01237	200	219,1	PN16	72
46-250-70-01237	250	273	PN16	91
46-300-70-01337	300	323,9	PN16	130

46/70-010

Gate valve with long spigot ends

Cast steel

NBR rubber

With external PUR coating

Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
46-050-70-01280	50	60,3	PN16	13
46-080-70-01280	80	88,9	PN16	16
46-100-70-01280	100	114,3	PN16	20
46-150-70-01280	150	168,3	PN16	38
46-200-70-01280	200	219,1	PN16	63
46-250-70-01280	250	273	PN16	92
46-300-70-01380	300	323,9	PN16	149
46-400-70-01380	400	406,4	PN16	199
46-500-70-01380 (1)	500	508	PN16	526
46-600-70-01380 (1)	600	610	PN16	750

(1) With F14 top flange

46/78-003

Gate valve with long spigot ends, prepared for actuator

Cast steel

NBR rubber

Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Actuator Flange	Theoretical weight/kg
46-050-78-01337	50	PN16	F10	14
46-080-78-01337	80	PN16	F10	17
46-100-78-01337	100	PN16	F10	23
46-150-78-01337	150	PN16	F10	39
46-200-78-01337	200	PN16	F10	63
46-250-78-01337	250	PN16	F14	88
46-300-78-01337	300	PN16	F14	128
46-400-78-01337	400	PN16	F14	242

46/78-010

Gate valve with long spigot ends, prepared for actuator
Cast steel
NBR rubber
With external PUR coating
Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Actuator Flange	Theoretical weight/kg
46-050-78-01380	50	PN16	F10	14
46-080-78-01380	80	PN16	F10	17
46-100-78-01380	100	PN16	F10	23
46-150-78-01380	150	PN16	F10	39
46-200-78-01380	200	PN16	F10	63
46-250-78-01380	250	PN16	F14	88
46-300-78-01380	300	PN16	F14	128
46-400-78-01380	400	PN16	F14	242

46/80-010

Gate valve with long spigot ends for steel pipes and up- and downstream purge points
Cast steel
NBR rubber
With external PUR coating
Clockwise to Close

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
46-080-80-01380	80	PN16	31
46-100-80-01380	100	PN16	36
46-150-80-01380	150	PN16	53
46-200-80-01380	200	PN16	101
46-250-80-01380	250	PN16	129
46-300-80-01380	300	PN16	184
46-400-80-01380	400	PN16	335
46-500-80-01380	500	PN16	617
46-600-80-01380	600	PN16	782

46/90-003

Gate valve with PE/steel spigot ends for SDR11 PE100/PE100-RC pipes and gas steel pipes
Cast steel
NBR rubber
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901
Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
46-063-90-0033770	50	63	PN10	9.0
46-090-90-0033770	80	90	PN10	15
46-110-90-0033770	100	110	PN10	21
46-160-90-0033770	150	160	PN10	39
46-225-90-0033770	200	225	PN10	65
46-250-90-0033770	250	250	PN10	95
46-315-90-0033770	300	315	PN10	145

46/90-010

Gate valve with PE/steel spigot ends for SDR11 PE100/PE100-RC pipes and gas steel pipes
Cast steel
NBR rubber
With external PUR coating
Clockwise to Close

AVK ref. no.	DN mm	D mm	Product PN Class	Theoretical weight/kg
46-063-90-0038070	50	63	PN10	9.0
46-090-90-0038070	80	90	PN10	15
46-110-90-0038070	100	110	PN10	21
46-160-90-0038070	150	160	PN10	39
46-225-90-0038070	200	225	PN10	65
46-250-90-0038070	250	250	PN10	95
46-315-90-0038070	300	315	PN10	145

631/70-004

Supa Maxi™ straight coupling
Universal and tensile
A2 bolts / A4 nuts
Ductile Iron
NBR rubber
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Product PN Class	Seal range SR1 mm	Theoretical weight/kg
631-071-70-2	50	PN10	48-71	6.0
631-091-70-2	65	PN10	69-91	7.0
631-106-70-2	80	PN10	82-106	7.5
631-133-70-2	100	PN10	104-133	11
631-161-70-2	125	PN10	132-159	13
631-188-70-2	150	PN10	159-188	16
631-227-70-2	200	PN10	193-227	25
631-257-70-2	225	PN10	224-257	30
631-301-70-2	250	PN10	266-301	35
631-356-70-2	300	PN10	314-356	45
631-442-70-2	400	PN10	392-442	91

632/70-004

Supa Maxi™ step coupling
Universal and tensile
A2 bolts / A4 nuts
Ductile Iron
NBR rubber
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN/DN	Seal range SR1 mm	Seal range SR2 mm	Theoretical weight/kg
632-071-091-702	50 - 65	48-71	69-91	6.5
632-071-106-702	50 - 80	48-71	82-106	7.0
632-091-106-702	65 - 80	69-91	82-106	7.5
632-106-133-702	80 - 100	82-106	104-133	10
632-133-161-702	100 - 125	104-133	132-159	13
632-133-188-702	100 - 150	104-133	159-188	14
632-161-188-702	125 - 150	132-159	159-188	15
632-188-227-702	150 - 200	159-188	193-227	21
632-188-257-702	150 - 225	159-188	224-257	27
632-227-257-702	200 - 225	193-227	224-257	32
632-227-301-702	200 - 250	193-227	266-301	32
632-257-301-702	225 - 250	224-257	266-301	36
632-301-356-702	250 - 300	266-301	314-356	42

633/70-004

Supa Maxi™ flange adaptor
Universal and tensile
A2 bolts / A4 nuts
Ductile Iron
NBR rubber
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Product PN Class	Seal range SR1 mm	Theoretical weight/kg
633-071-70-002	40-50	PN10	48-71	5.0
633-091-70-002	50-65	PN10	69-91	6.0
633-106-70-002	80	PN10	82-106	6.5
633-133-70-002	100	PN10	104-133	9.0
633-161-70-002	100	PN10	132-159	11
633-161-71-002	100	PN10	132-159	11
633-188-70-002	150	PN10	159-188	12
633-227-70-002	200	PN10	193-227	19
633-257-70-002	250	PN10	224-257	25
633-257-71-002	200	PN10	224-257	25
633-301-70-002	250	PN10	266-301	28
633-356-70-002	300	PN10	314-356	38
633-442-70-002	400	PN10	392-442	80

634/70-004

Supa Maxi™ end cap
Universal and tensile
A2 bolts / A4 nuts
Ductile Iron
NBR rubber
Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved

AVK ref. no.	DN mm	Product PN Class	Seal range SR1 mm	Theoretical weight/kg
634-071-70-012 (1)	50	PN10	48-71	4.0
634-091-70-012 (1)	65	PN10	69-91	5.0
634-091-70-032 (2)	65	PN10	69-91	5.0
634-106-70-012 (1)	80	PN10	82-106	5.5
634-106-70-032 (2)	80	PN10	82-106	5.5
634-133-70-012 (1)	100	PN10	104-133	8.0
634-133-70-032 (2)	100	PN10	104-133	8.0
634-161-70-012 (1)	125	PN10	132-159	9.0
634-161-70-032 (2)	125	PN10	132-159	9.0
634-188-70-012 (1)	150	PN10	159-188	11
634-188-70-032 (2)	150	PN10	159-188	11
634-227-70-012 (1)	200	PN10	193-227	16
634-227-70-032 (2)	200	PN10	193-227	16
634-257-70-012 (1)	225	PN10	224-257	19
634-257-70-032 (2)	225	PN10	224-257	19
634-301-70-012 (1)	250	PN10	266-301	22
634-301-70-032 (2)	250	PN10	266-301	22
634-356-70-012 (1)	300	PN10	314-356	29
634-356-70-032 (2)	300	PN10	314-356	29

(1) 1 1/4" BSP thread, in line
(2) 2" BSP thread, in line

79-002

Flange gasket in straight KGS design
NBR rubber

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
79-050-2-42	50	PN 10/40	0.0
79-065-2-42	65	PN 10/40	0.0
79-080-2-42	80	PN 10/40	0.1
79-100-2-22	100	PN 10/16	0.1
79-125-2-22	125	PN 10/16	0.1
79-150-2-22	150	PN 10/16	0.1
79-200-2-22	200	PN 10/16	0.2
79-250-2-12	250	PN10	0.3
79-300-2-12	300	PN10	0.3
79-350-2-12	350	PN10	0.5
79-400-2-12	400	PN10	0.7
79-450-2-12	450	PN10	1.0
79-500-2-12	500	PN10	1.0
79-600-2-12	600	PN10	1.1
79-700-2-12	700	PN10	1.5
79-800-2-12	800	PN10	2.2

79-004

Flange gasket in drop-shaped KGS-S design
NBR rubber

AVK ref. no.	DN mm	Product PN Class	Theoretical weight/kg
79-050-2-43	50	PN 10/40	0.0
79-065-2-43	65	PN 10/40	0.0
79-080-2-43	80	PN 10/40	0.1
79-100-2-23	100	PN 10/16	0.1
79-125-2-23	125	PN 10/16	0.1
79-150-2-23	150	PN 10/16	0.1
79-200-2-23	200	PN 10/16	0.2
79-250-2-13	250	PN10	0.3
79-300-2-13	300	PN10	0.3
79-350-2-13	350	PN10	0.5
79-400-2-13	400	PN10	0.7
79-450-2-13	450	PN10	1.0
79-500-2-13	500	PN10	1.0
79-600-2-13	600	PN10	1.1
79-700-2-13	700	PN10	1.5
79-800-2-13	800	PN10	2.2


eandis
uvex
eandis

TORQUE VALUES

FOR RESILIENT SEATED GATE VALVES, PN16

Operation
To avoid increased closing/operation torque or seizure of the internal parts of the valve, it is recommended to operate the valves in a regular basis to ensure long life and durability.

AVK recommend:
- Valves for water and gas every year
- Valves for wastewater and industry every third month.

After operation, the valve must be left in fully open position with stem released from stress or in closed position with closing torque as stated in the table on the following pages. Do not over torque the valve as this may permanently damage the valve.

Content / Definitions
AVK offers resilient seated gate valves (RSGV) and metal seated gate valves (MSGV) to different standard worldwide. Due to the different design demands, depending on the relevant standard, the characteristics of the valves are different with respect to strength, closing torque, number of turns etc.

Table 1: Gate valves (RSGV) according to European standard, drinking water applications, hand wheel operation.
Table 2.1 og 2.2: Service connection valves (RSGV) European design.
Table 3.1 og 3.2: Gate valves (RSGV) according to European standard, designed for gas applications.

MOT:
Maximum operational torque required to open/close the valve against full unbalanced pressure.
MST:
Minimum strength torque, the valve still being functional and complying with the standard.
AVK – Open/Close:
Maximum torque required to close the valve against full unbalanced pressure.
AVK – Free running torque:
Torque required for the spindle to rotate freely (no flow).
AVK – Rupture torque:
Min. strength torque, not making permanent damage to the valve.
AVK – Turns:
Number of turns required to completely open or close the valve.

TORQUE VALUES, RESILIENT SEATED GATE VALVES, PN16
Water valves
European standards

Table 1: Water – EN 1074-2 Annex A, EN 1171-Cat. 2, DIN 3352-4, BS 5163-Type A

	Standards		AVK				AVK- New generation of gate valves			
DN	MOT	MST	Open/Close	Rupture	Free	Turns	Open/close	Rupture	Free	Turns
mm	Nm	Nm	Nm	Nm	Nm		Nm	Nm	Nm	
40	40	90	40	400	6	11	25	250	3	12
50	50	100	40	400	6	11	25	250	3	12
65	65	130	60	400	6	14	25	250	3	17
80	80	160	60	400	6	17	35	400	3	17
100	100	200	80	400	6	21	35	400	3	21
125	125	250	80	500	6	26	40	500	3	26
150	150	300	80	600	12	26	40	600	3	26
200	200	400	120/100[5]	800	12	33/35[5]	80	800	3	33
250	250	500	180[7]	1000	12	37	90	1000	6	43
300	300	600	200[7]	1200	16	44	90	1200	6	51
350	350	700	300[1], [6]	1400	24	59	250	1400	24	59
400	400	800	300[1], [6]	1600	24	59/50[4]	250	1600	24	59
450	450	900	300[1]/450[2]/500[3]	1600	25	59[1]/43[2]/39[3]	450	1600	25	43
500	500	1000	300[1]/450[2]/500[3]	1600	25	59[1]/43[2]/43[3]	450	1600	25	43
600	NA	1200	500[2]/700[3]	1600	25	53[1]/52[2]/53[3]	500	1600	25	52
700	NA	1400	850	3000	60	60				
800	NA	1600	850	3000	60	70				
900	NA	1800	800/800/1100*)	4000	300	85				
1000	NA	2000	800/800/1100*)	4000	300	85				

1) Series 02 & 20, 2) Series 06 & 26, 3) Series 55, 4) Series 36, 5) Series 15, 6) Series 15/7X, 7) Series 18/00 DN250/300: 150Nm, *) 6 bar/10bar/16bar

TORQUE VALUES, SERVICE CONNECTION VALVES, PN16
Water valves
European design

Table 2.1: Water – service connection valves
Ductile iron series 03, brass series 16

	AVK			
DN	Open/close	Rupture	Free	
mm	Nm	Nm	Nm	Turns
25	40	200	3	7
32	45	200	3	9
40	50	200	4	11
50	50	200	4	14

Table 2.2: Water – service connection valves
POM series 16

	AVK			
DN	Open/close	Rupture	Free	
mm	Nm	Nm	Nm	Turns
25	40	200	3	7
32	40	200	3	9
40	40	200	4	11
50	40	200	4	14

TORQUE VALUES, RESILIENT GATE VALVES, PN16
Gas valves
European standards

Table 3.1: Gas EN 13774, EN 1171- cat. 2 (DIN 3230-5)

	Standards		AVK			
DN	MOT	MST	Open/close	Free	Rupture	
mm	Nm	Nm	Nm	Nm	Nm	Turns
40	40	90	40	9	400	11
50	50	100	40	9	400	11
65	65	130	60	9	400	14
80	80	160	60	9	400	17
100	100	200	80	9	400	21
125	125	250	80	9	500	26
150	150	300	80	18	600	26
200	200	400	120	18	800	33
250	250	500	180	18	1000	37
300	300	600	200	18	1200	44
350	350	700	300	24	1400	59
400	400	800	300	24	1600	50[3]/59
450	450	900	300[1]/450[2]	25	1600	59[1]/39[2]
500	500	1000	300[1]/450[2]	25	1600	59[1]/43[2]
600	600	NA	500	25	3200	53[1]/52[2]

[1] Series 02 [2] Series 06 + Series 15 + Series 46 [3] Series 36

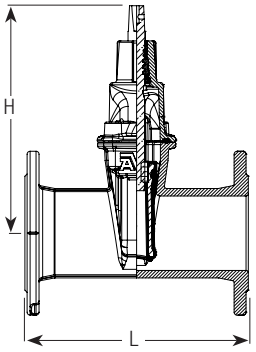
TORQUE VALUES, SERVICE CONNECTION VALVES, PN10
Gas valves
European design

Table 3.2: Gas – service connection valves
Ductile iron series 03

	Standard		AVK			
DN		MST	Open/close	Free	Rupture	
mm		Nm	Nm	Nm	Nm	Turns
25		80	40	200	3	7
32		90	45	200	3	9
40		100	50	200	4	11
50		100	50	200	4	14

DIMENSIONS AVK GATE VALVES

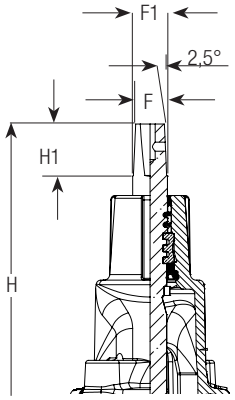
Face to face dimensions and heights above center line:



	Valves to EN 1074-1 & 2, type A (DIN 3352 part 4)			Valves to EN 1074-1 & 2, type B (BS 5163)	
	Face to face dim. to EN 558-F14 (DIN 3202 del 1, F4)	Face to face dim. to. EN 558-F15 (DIN 3202 del 1, F5)	Height above center line	Face to face dim. iht. EN 558-F3 (BS 5163)	Height above center line
DN	L mm	L mm	H mm	L mm	H mm
25	-	120	180	-	-
32	-	140	190	-	-
40	140	240	241	-	-
50	150	250	241	178	279
65	170	270	271	190	279
80	180	280	297	203	294
100	190	300	334	229	324
125	200	325	376	254	324
150	210	350	448	267	429
200	230	400	562	292	531
250	250	450	664	330	614
300	270	500	740	356	690
350	290	550	940/924	381	867
400	310	600	940/951	406	867
450	330	650	951[1]/1157[2]/1130[3]		
500	350	700	951[1]/1142[2]/1130[3]		
600	390	800	-/1285[2]/1270[3]		
700	430		1622		
800	470	1000	1672[2]/1591[3]		
900	510		2118		
1000	550		2067		
1200	630		2476		

[1] Serie 02 [2] Serie 06 [3] Serie 55

Stem dimensions and heights above center line:

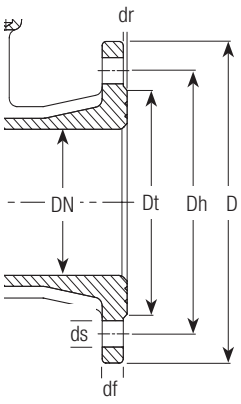


	Service connection valves				Valves to EN 1074-1 & 2, type A (DIN 3352 part 4)			Valves to EN. 1074-1 & 2, type B (BS 5163)		
DN	H mm	H1 mm	F mm	F1 mm	H1 mm	F mm	F1 mm	H1 mm	F mm	F1 mm
25	180	35	12,3	15,4						
32	190	35	12,3	15,4						
40	203	35	12,3	15,4	29	14	16,6			
50	213	35	12,3	15,4	29	14	16,6	38	19	22,4
65					34	17	20	38	19	22,4
80					34	17	20	38	19	22,4
100					38	19	22,4	38	19	22,4
125					38	19	22,4	38	19	22,4
150					38	19	22,4	42	24	27,7
200					42	24	27,7	47	27	31,2
250					47	27	31,2	47	27	31,2
300					47	27	31,2	47	27	31,2
350					55	32	37	55	32	36,9
400					55	32	37	55	32	36,9
450*					55	32	36,9			
500*					55	32	36,9			
450**					75	Ø30/40	Ø30/40			
500**					84	Ø30/40	Ø30/40			
600**					83,5	Ø30/40	Ø30/40			
700					83,5	Ø40	Ø40			
800					83,5	Ø40	Ø40			
900					83,5	Ø40	Ø40			
1000					83,5	Ø40	Ø40			
1200					115	Ø50	Ø50			

*series 02 and 20 ** Ø30 for serie 06-Ø40 for serie 55/30
** Ø30 for series 06 - Ø40 for series 55/30

FLANGE DRILLINGS AND BOLTS

Standard flange drillings:

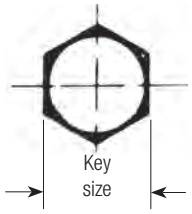


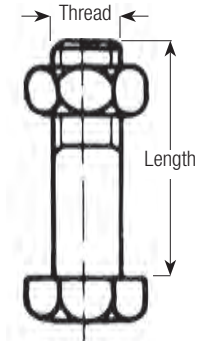
Drillings to ISO 7005 part 2 (EN 1092-2: 1997, DIN 2501):

DN	D mm			Dt mm	Dh mm			df mm			dr mm	ds			Number of holes			Bolt size		
	PN10		PN16		PN10		PN16	PN10		PN16		PN10		PN16	PN10		PN16	PN10		PN16
40		150		83		110			16		3		19			4			M16	
50		165		102		125			16		3		19			4			M16	
65		185		122		145			16		3		19			4			M16	
80		200		138		160			16		3		19			8			M16	
100		220		158		180			16		3		19			8			M16	
125		250		188		210			16		3		19			8			M16	
150		285		212		240			16		3		23			8			M20	
200		340		268	295		295		17		3	23		23	8		12		M20	
250		400		320	350		355		19		3	23		28	12		12	M20		M24
300		455		370	400		410		21		4	23		28	12		12	M20		M24
350		520		430	460		470		23		4	23		28	16		16	M20		M24
400		580		482	515		525		28		4	28		31	16		16	M24		M27
450		640		535	565		585		28		4	28		31	20		20	M24		M27
500		715		590	620		650		28		4	28		34	20		20	M24		M30
600		840		685/725[1]	725		770		29		5	34		37	20		20	M27		M33
700	895		910	794	840		840	33		33	5	31		37	24		22	M27		M33
800	1015		1025	901	950		950		35		5	34		41	24		24	M30		M36
900	1115		1125	1001	1050		1050	38		46	5	34		41	28		28	M30		M36
1000	1230		1255	1112	1160		1170	40		50	5	37		44	28		82	M33		M39

[1] Series 55/30 / series 06

Bolts for flange connections



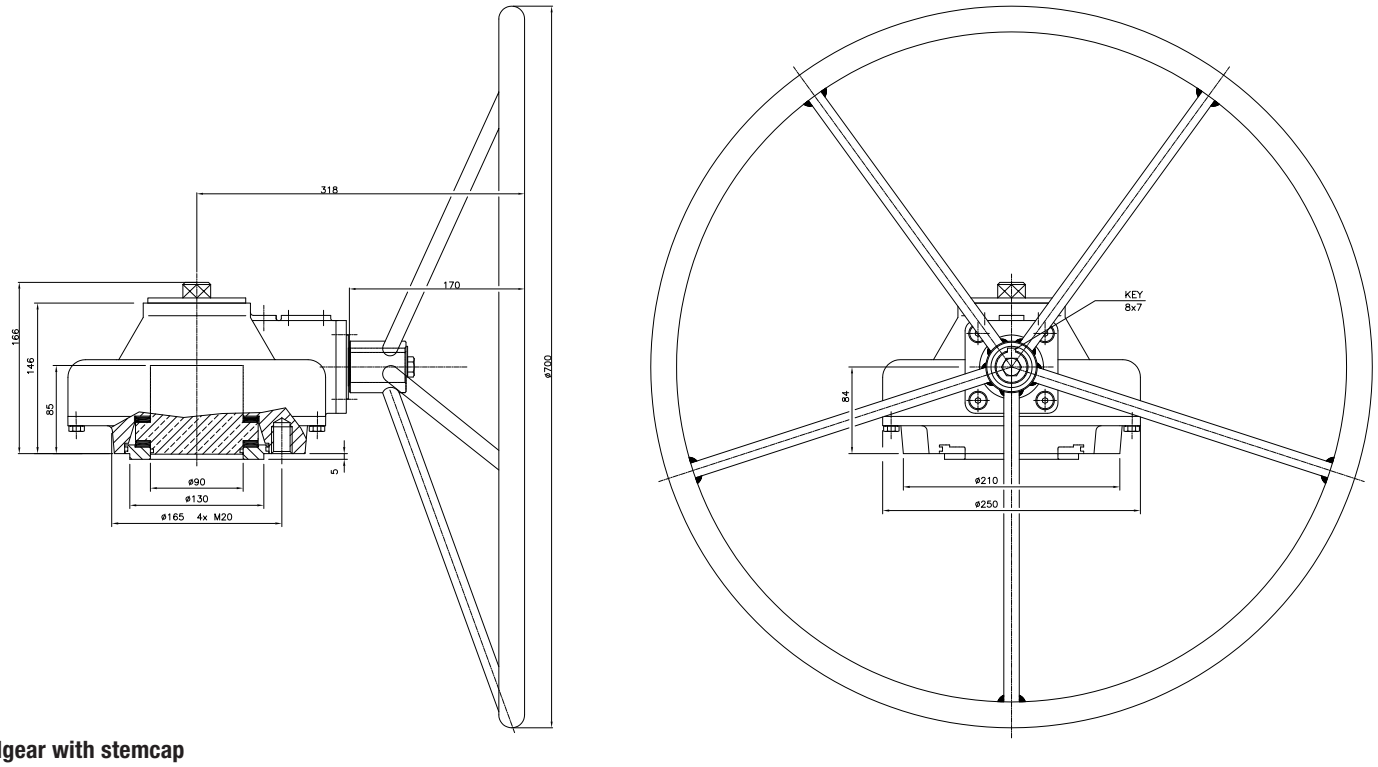


DN	PN	Bolt (number x M[1] x L[2])	Nut (number x M[1])	Washer (number x D1[3] x D2[4] x thickness)
50/65	10/16	4 x M16x65	4 x M16	8 x 17x30x3
80/100/125	10/16	8 x M16x65	8 x M16	16 x 17x30x3
150	10/16	8 x M20x70	8 x M20	16 x 21x37x3
200	10	8 x M20x75	8 x M20	16 x 21x37x3
200	16	12 x M20x75	12 x M20	24 x 21x37x3
250	10	12 x M20x75	12 x M20	24 x 21x37x3
250	16	12 x M24x80	12 x M24	24 x 25x44x4
300	10	12 x M20x85	12 x M20	24 x 21x37x3
300	16	12 x M24x85	12 x M24	24 x 25x44x4
350	10	16 x M20x90	16 x M20	32 x 21x37x3
350	16	16 x M24x95	16 x M24	32 x 25x44x4
400	10	16 x M24x100	16 x M24	32 x 25x44x4
400	16	16 x M27x100	16 x M27	32 x 28x50x4
450	10	20 x M24x100	20 x M24	40 x 25x44x4
450	16	20 x M27x100	20 x M27	40 x 28x50x4
500	10	20 x M24x110	20 x M24	40 x 25x44x4
500	16	20 x M30x110	20 x M30	40 x 31x56x4
600	10	20 x M27x120	20 x M27	40 x 28x50x4
600	16	20 x M33x120	20 x M33	40 x 34x68x4

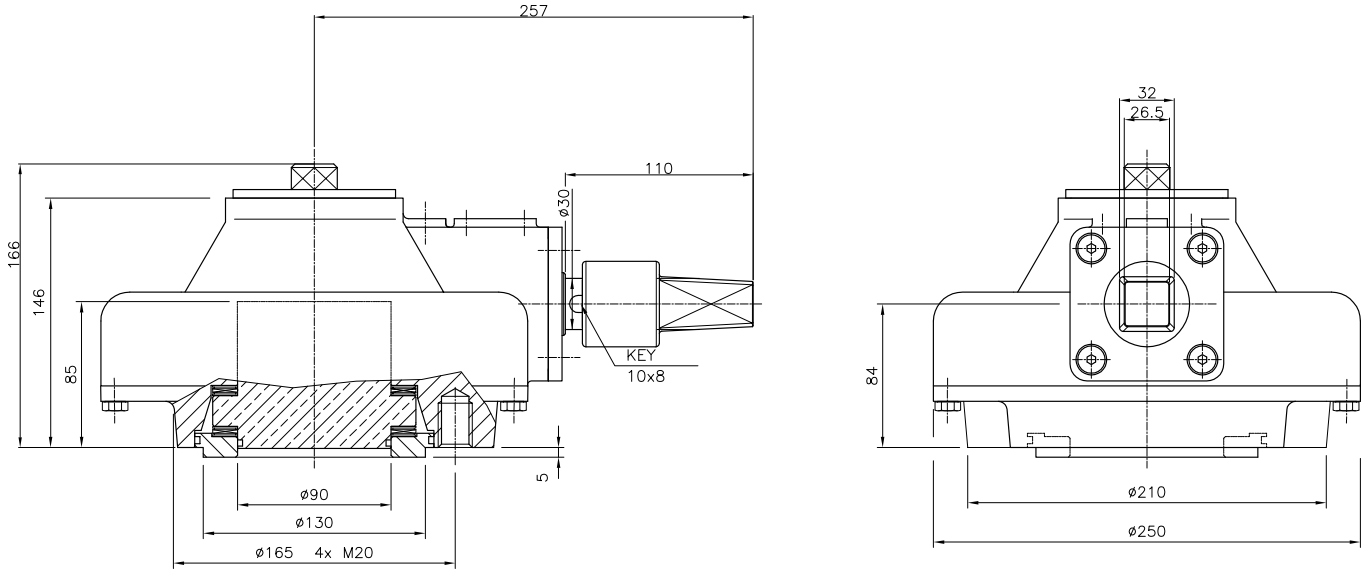
[1] Size
[2] Length
[3] Inside diametre
[4] Outside diameter

DIMENSIONS BEVELSPURGEAR

Bevelgear with handwheel

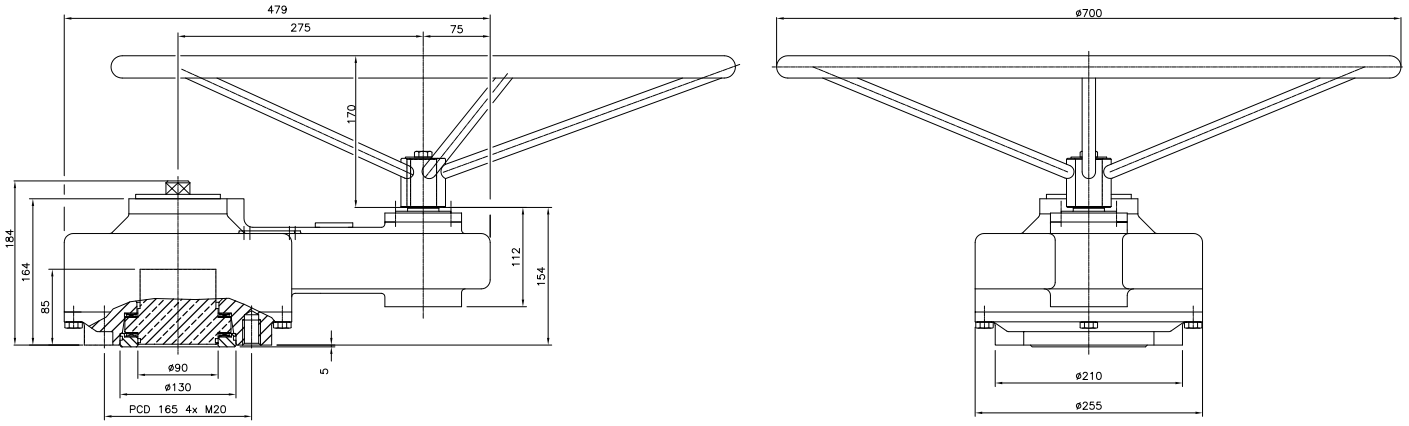


Bevelgear with stemcap

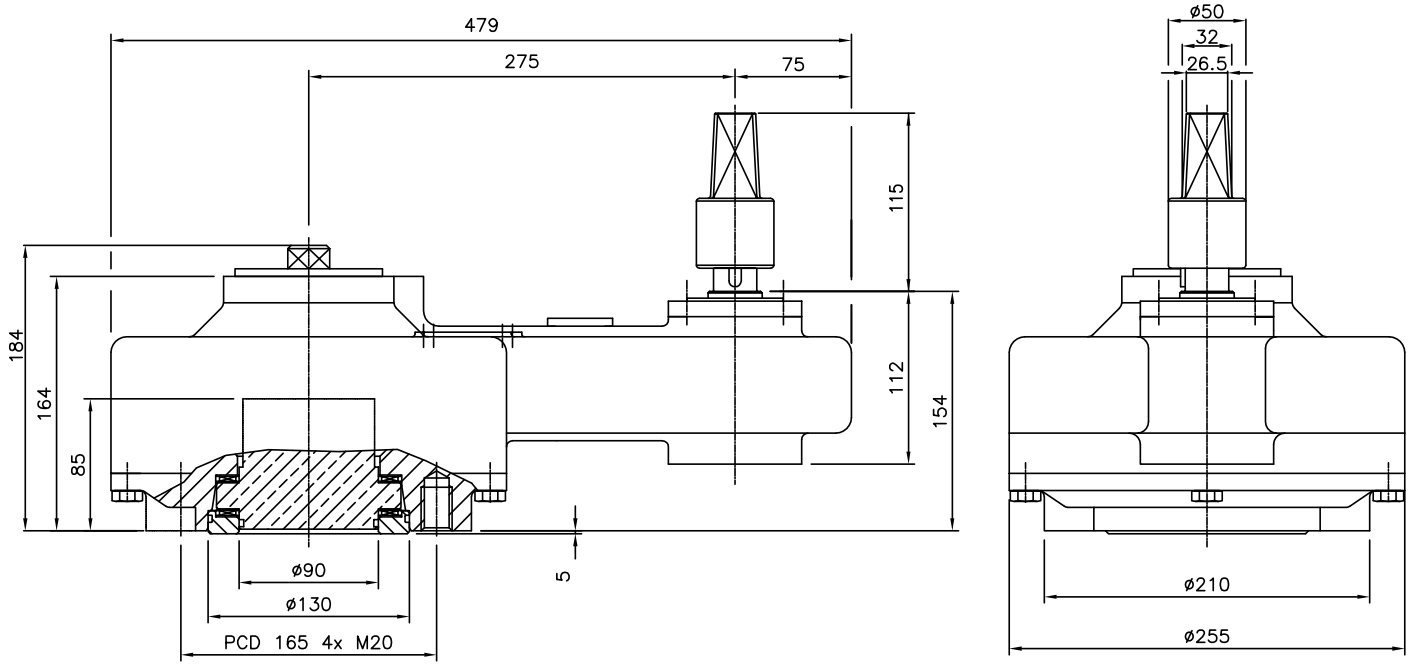


DIMENSIONS SPURGEAR

Spurgear with handwheel



Sopurgear with stemcap



AVK SUPA MAXI™ COUPLINGS

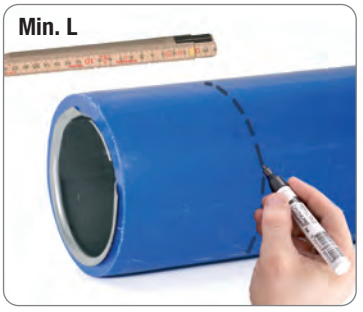
Recommended bolt torques (Nm) and min. insertion depth ("L")

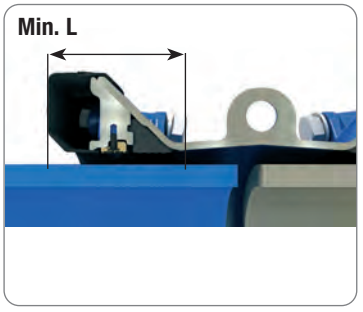
DN	Tolerance mm	Bolts # x Ø x L	Nm Iron/steel PN 10 / PN 16	Nm PE/PVC CFW GRP/PRV EFC [2), 3)] Bi-PVC [2)] PN 10 / PN 16	Nm Stainless steel [1)] AC [3)] Max. PN 10	L min. mm
50	48-71	3 x M14 x 75 mm	60	60	50	90
65	69-91	3 x M16 x 75 mm	60	60	50	90
80	82-106	3 x M16 x 75 mm	80	80	60	90
100	104-133	4 x M16 x 75 mm	80	80	60	90
125	132-159	4 x M16 x 75 mm	100	100	80	90
150	159-188	4 x M16 x 80 mm	100	100	80	100
200	193-227	6 x M20 x 100 mm	120	120	90	120
225	224-257	6 x M20 x 100 mm	120	120	90	120
250	266-301	6 x M20 x 100 mm	140	140	110	120
300	314-356	8 x M20 x 110 mm	140	140	110	120
350	352-398	9 x M24 x 120 mm	220	220	130	145
400	392-442	10 x M24 x 120 mm	220	220	130	160
450	448-510	12 x M24 x 120 mm	220	220	130	160
500	498-552	14 x M24 x 120 mm	220	220	130	160
600	604-652	18 x M24 x 130 mm	220	220	130	160
700	700-745	18 x M24 x 150 mm	300	300	300	160-340*

* "L" (mm) min.-max.
1) For stainless steel and AC pipes max. PN 10
2) For Continuous Filament Winding GRP pipes and Bi-PVC pipes max. PN 10
3) AVK provides no warranty when used on AC pipes and Continuous Filament Winding GRP pipes, since the pipe quality varies.

We recommend to torque the bolts only until tightness has been achieved, checked in open trench.

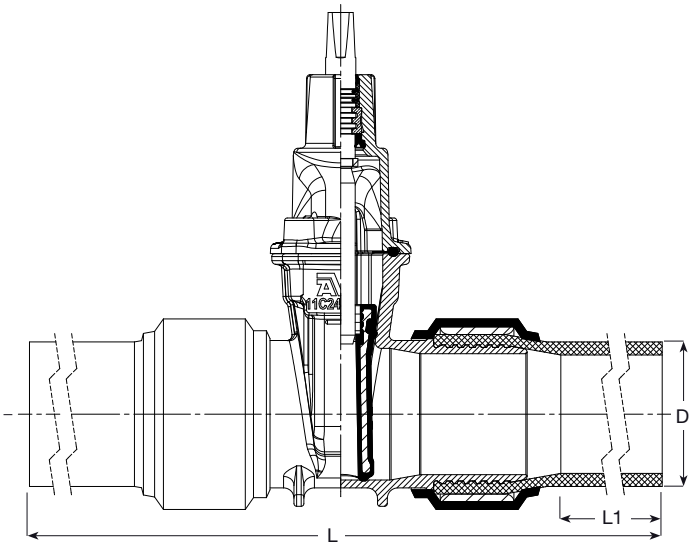
For pipes with a protective coating of PE or PP, the coating must be removed in the full insertion depth.



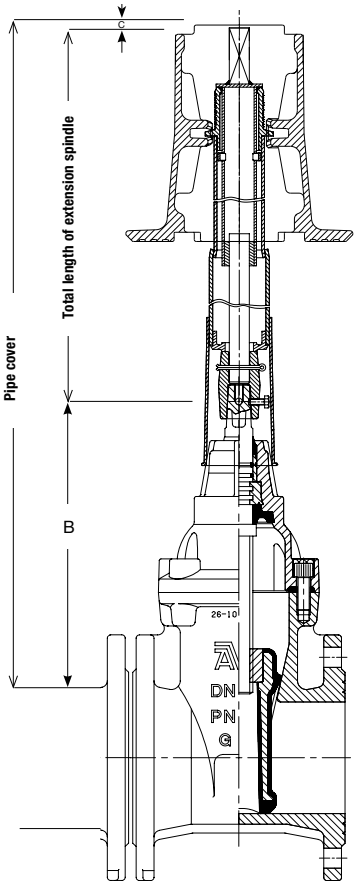


AVK GATE VALVES WITH PE-ENDS

DN	D mm	PN bar	L (±tol) mm	L1 mm
65	75	PN10	900 (20)	250
80	90	PN10	900 (20)	255
100	110	PN10	860 (20)	250
125	125	PN10	860 (20)	300
150	160	PN10	1030 (20)	325
150	180	PN10	1030 (20)	265
200	200	PN10	1080 (20)	255
200	225	PN10	1080 (20)	265
250	250	PN10	1280 (30)	420
250	280	PN10	1360 (30)	365
300	315	PN10	1420 (30)	355
300	355	PN10	1520 (30)	355
400	400	PN10	1700 (30)	355
400	450	PN10	1800 (40)	384
400	500	PN10	1850 (40)	350
500	560	PN10	2200 (40)	474
500	630	PN10	2350 (40)	534



AVK TELESCOPIC EXTENSION SPINDLE FOR GATE VALVES



Valve DN	Pipe cover 450-700*	650-1100*	1050-1750*	1700-2900*	B mm	C mm
50	780-1010	970-1350	1270-1970	1900-3200	210	50
65	800-1030	990-1370	1290-1990	1920-3220	230	50
80	820-1050	1010-1390	1310-2010	1940-3240	240	50
100	840-1070	1030-1410	1330-2030	1960-3260	270	50
125	880-1110	1070-1450	1370-2070	2000-3300	310	50
150	930-1160	1120-1500	1420-2120	2050-3350	370	50
200	1030-1260	1220-1600	1520-2220	2150-3450	450	50
250	1110-1340	1300-1680	1600-2300	2230-3530	530	50
300	1160-1390	1350-1730	1650-2350	2280-3580	580	50
350	1310-1540	1500-1880	1800-2500	2430-3730	720	50
400	1320-1550	1510-1890	1810-2510	2440-3740	720	50
450	1370-1620	1570-2020	1970-2670	2620-3820	920	50
500	1330-1580	1530-1980	1930-2630	2580-3780	880	50
600	1410-1660	1610-2060	2010-2710	2660-3860	960	50

***Telescopic length**

Pipe cover: The distance from the top of the pipeline to the top of the mounted street cover.
Total length: Maximum length of extension spindle.
Telescopic length: Maximum length – minimum length of telescopic extension spindle.

FLOW, KV VALUES AND ZETA VALUES FOR GATE VALVES

Calculated flow (m³/hr) going through a nominal valve size (DN40 = inside dia of 40 mm) at different flow velocities

Water velocity (m/sec)	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500
1	5	7	12	18	28	44	64	113	177	254	346	452	573	707
1,5	7	11	18	27	42	66	95	170	265	382	520	679	859	1060
2	9	14	24	36	57	88	127	226	353	509	693	905	1145	1414
2,5	11	18	30	45	71	110	159	283	442	636	866	1131	1431	1767
3	14	21	36	54	85	133	191	339	530	763	1039	1357	1718	2121
3,5	16	25	42	63	99	155	223	396	619	891	1212	1583	2004	2474
4	18	28	48	72	113	177	254	452	707	1018	1385	1810	2290	2827
4,5	20	32	54	81	127	199	286	509	795	1145	1559	2036	2576	3181
5	23	35	60	90	141	221	318	565	884	1272	1732	2262	2863	3534

Water velocity (m/sec)	DN600	DN700	DN800	DN900	DN1000
1	1018	1385	1810	2290	2827
1,5	1527	2078	2714	3435	4241
2	2036	2771	3619	4580	5655
2,5	2545	3464	4524	5726	7069
3	3054	4156	5429	6871	8482
3,5	3563	4849	6333	8016	9896
4	4072	5542	7238	9161	11310
4,5	4580	6234	8143	10306	12723
5	5089	6927	9048	11451	14137

Hydraulic values, fully open valve

	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500
Kv (m³/hr - 1 bar)	310	555	650	1050	1945	2770	5715	7755	15405	27295	37150	48520	61410	75815
Cv (Usg/min - 1 psi)	363	649	761	1229	2276	3241	6687	9073	18024	31935	43466	56768	71850	88704
Zeta	0.04	0.03	0.07	0.06	0.04	0.05	0.02	0.04	0.03	0.02	0.02	0.02	0.02	0.02

	DN600	DN700	DN800	DN900	DN1000
Kv (m³/hr - 1 bar)	109175	148600	194090	229572	283422
Cv (Usg/min - 1 psi)	127735	173862	227085	268599	331604
Zeta	0.02	0.02	0.02	0.02	0.02

NOTE: Hydraulic figures are based on tests or calculations, depending on size. Value uncertainty as per ref EN1267

Definitions / formulas:
Kv-value: Actual flow of water (m³/ hr) creating pressure loss of 1 bar.
Pressure loss coefficient Zeta (K) value: Ratio of static to dynamic pressure loss.

Zeta (K) = Diff pressure / (500 X V²)
Diff pressure (Pa)
V: Water flow velocity (m/sec)

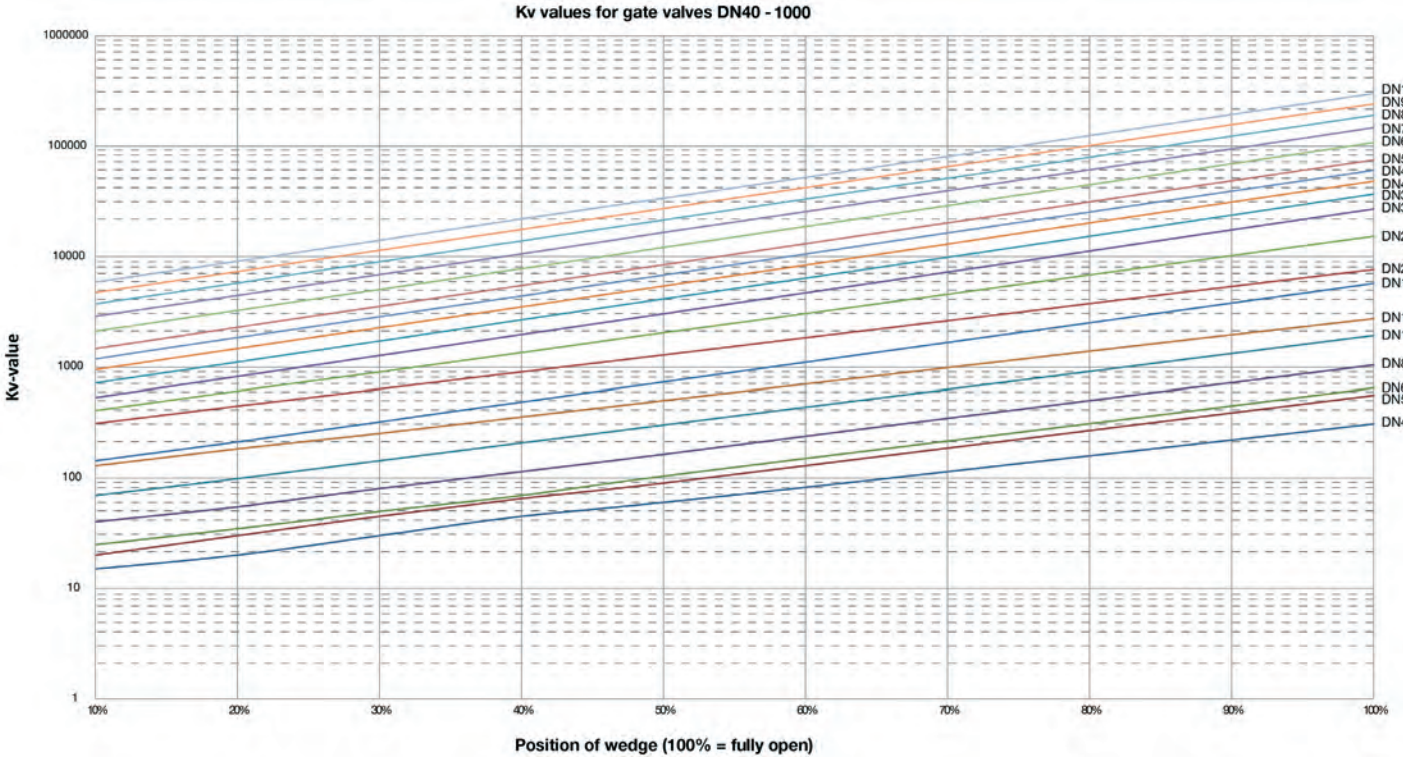
Actual diff pressure (bar) = (Q / Kv)²
Q: Actual water flow (m³/hr)

Kv values, valve in semi-open position. Percentage, based on turns of stem, from closed to fully open valve.

Opening of valve	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500
10%	15	20	25	40	70	130	145	315	410	535	725	950	1200	1480
20%	20	30	35	55	100	185	215	450	615	825	1125	1470	1860	2295
30%	30	45	50	80	145	255	325	640	915	1280	1740	2275	2875	3550
40%	45	65	70	115	210	360	490	915	1370	1980	2695	3520	4455	5500
50%	60	90	105	165	305	505	740	1305	2055	3065	4175	5450	6900	8515
75%	135	225	260	420	770	1185	2055	3180	5625	9150	12450	16260	20580	25410
100%	310	555	650	1050	1945	2770	5715	7755	15405	27295	37150	48520	61410	75815

Opening of valve	DN600	DN700	DN800	DN900	DN1000
10%	2135	2905	3790	4485	5538
20%	3305	4495	5870	9930	12259
30%	5115	6960	9095	15497	19132
40%	7920	10780	14080	22703	28029
50%	12265	16690	21800	30812	38040
75%	36590	49805	65050	63740	78692
100%	109175	148600	194090	229572	283422

NOTE: Hydraulic figures are based on tests or calculations, depending on size. Value uncertainty as per ref EN1267



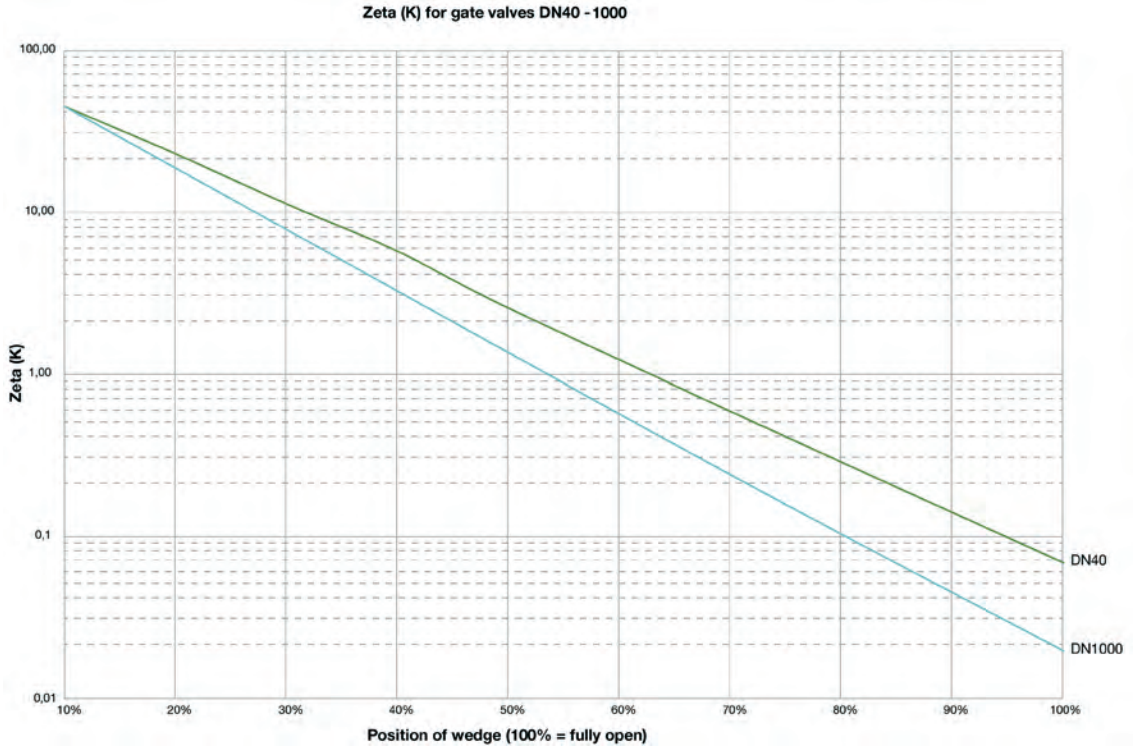
FLOW, KV VALUES AND ZETA VALUES FOR GATE VALVES

Zeta (K) values, valve in semi-open positions. Percentage, is based on turns of stem, from closed to fully open valve.

Opening of valve	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500
10%	18	25	46	41	33	23	39	26	37	45	46	45	46	46
20%	10	11	23	22	16	11	18	13	17	19	19	19	19	19
30%	5	5	11	10	8	6	8	6	7	8	8	8	8	8
40%	2	2	6	5	4	3	3	3	3	3	3	3	3	3
50%	1	1	3	2	2	2	1	2	1	1	1	1	1	1
75%	0.23	0.20	0.42	0.37	0.27	0.28	0.19	0.25	0.20	0.16	0.16	0.16	0.16	0.16
100%	0.04	0.03	0.07	0.06	0.04	0.05	0.02	0.04	0.03	0.02	0.02	0.02	0.02	0.02

Opening of valve	DN600	DN700	DN800	DN900	DN1000
10%	46	46	46	52.09	52.09
20%	19	19	19	10.63	10.63
30%	8	8	8	4.36	4.36
40%	3	3	3	2.03	2.03
50%	1	1	1	1.10	1.10
75%	0.16	0.16	0.16	0.26	0.26
100%	0.02	0.02	0.02	0.02	0.02

NOTE: Hydraulic figures are based on both tests and calculations, depending on size. Value uncertainty, ref EN1267



FLOW, KV VALUES AND ZETA VALUES FOR SERIES 756 BUTTERFLY VALVES

Calculated flow (m³/hr) going through a nominal valve size (DN200 = inside dia of 200 mm) at different flow velocities

Water velocity (m/sec)	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500	DN600	DN700	DN800	DN900	DN1000	DN1200	DN1400	DN1500
1	64	113	177	254	346	452	573	707	1018	1385	1810	2290	2827	4072	5542	6362
1,5	95	170	265	382	520	679	859	1060	1527	2078	2714	3435	4241	6107	8313	9543
2	127	226	353	509	693	905	1145	1414	2036	2771	3619	4580	5655	8143	11084	12723
2,5	159	283	442	636	866	1131	1431	1767	2545	3464	4524	5726	7069	10179	13854	15904
3	191	339	530	763	1039	1357	1718	2121	3054	4156	5429	6871	8482	12215	16625	19085
3,5	223	396	619	891	1212	1583	2004	2474	3563	4849	6333	8016	9896	14250	19396	22266
4	254	452	707	1018	1385	1810	2290	2827	4072	5542	7238	9161	11310	16286	22167	25447
4,5	286	509	795	1145	1559	2036	2576	3181	4580	6234	8143	10306	12723	18322	24938	28628
5	318	565	884	1272	1732	2262	2863	3534	5089	6927	9048	11451	14137	20358	27709	31809

Water velocity (m/sec)	DN1600	DN1800	DN2000	DN2200	DN2400	DN2800	DN3000	DN3200	DN3600
1	7238	9161	11310	13685	16286	22167	25447	28953	36644
1,5	10857	13741	16965	20527	24429	33251	38170	43429	54965
2	14476	18322	22619	27370	32572	44334	50894	57906	73287
2,5	18096	22902	28274	34212	40715	55418	63617	72382	91609
3	21715	27483	33929	41054	48858	66501	76341	86859	109931
3,5	25334	32063	39584	47897	57001	77585	89064	101335	128252
4	28953	36644	45239	54739	65144	88668	101788	115812	146574
4,5	32572	41224	50894	61581	73287	99752	114511	130288	164896
5	36191	45804	56549	68424	81430	110835	127234	144765	183218

	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500	DN600	DN700	DN800	DN900
Kv (m³/hr - 1 bar)	1385	2460	4360	6120	10195	13335	17320	22460	34330	37845	57665	69930
Cv (Usg/min - 1 psi)	1620	2878	5101	7160	11928	15602	20264	26278	40166	44279	67468	81818
Zeta (K)	0,42	0,42	0,33	0,33	0,23	0,23	0,22	0,20	0,18	0,27	0,20	0,21

	DN1000	DN1200	DN1400	DN1500	DN1600	DN1800	DN2000	DN2200	DN2400	DN2800	DN3000	DN3200	DN3600
Kv (m³/hr - 1 bar)	90720	133345	196585	207335	247675	332095	432320	524915	533425	798585	916740	1043046	1320105
Cv (Usg/min - 1 psi)	106142	156014	230004	242582	289780	388551	505814	614151	624107	934344	1072586	1220364	1544523
Zeta (K)	0,19	0,19	0,16	0,19	0,17	0,15	0,14	0,14	0,19	0,15	0,15	0.15	0.15

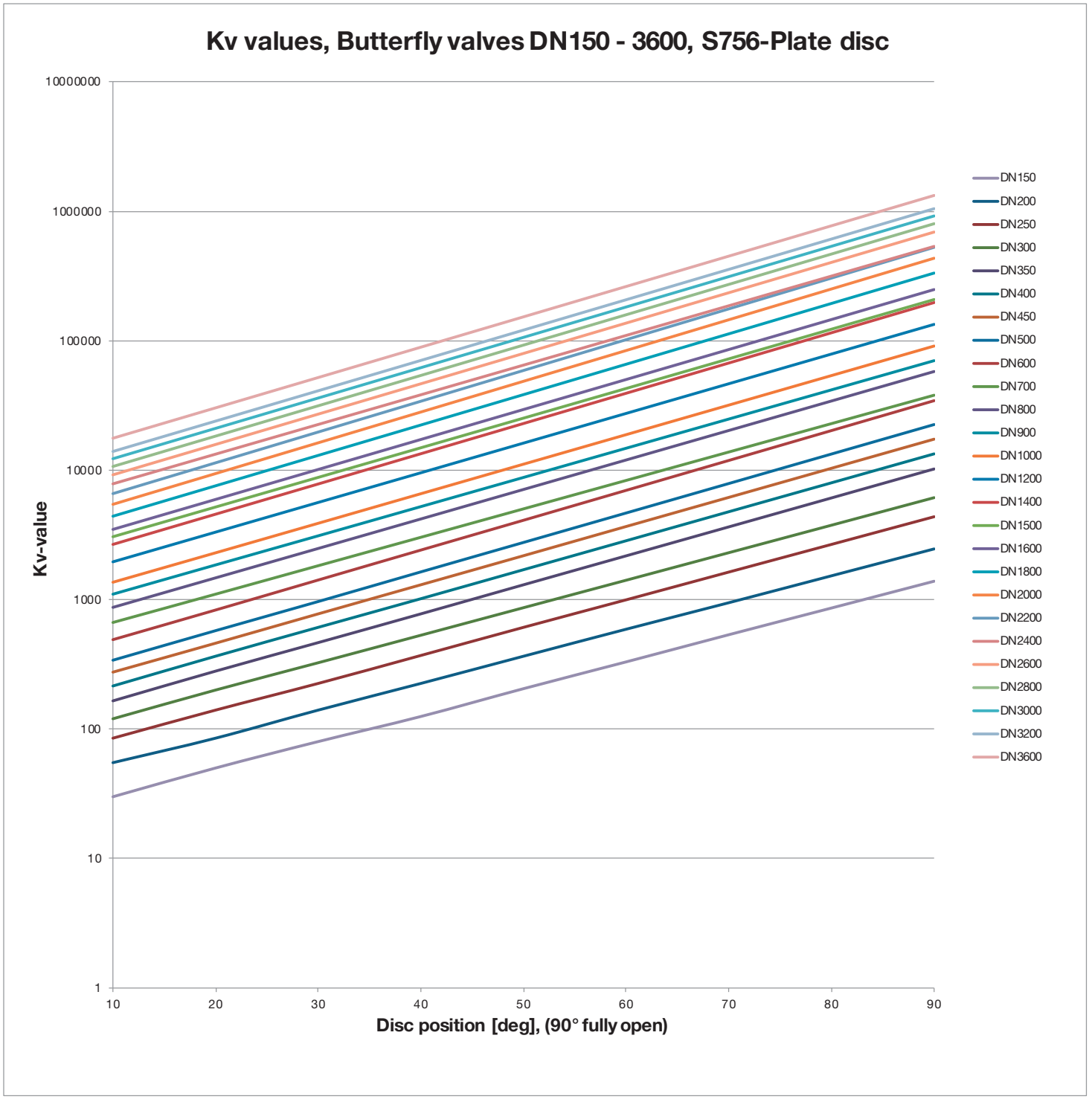
NOTE: Hydraulic figures are based on tests or calculations, depending on size. Value uncertainty as per ref EN1267

Definitions / formulas:
Kv-value: Actual flow of water (m³/ hr) creating pressure loss of 1 bar.
Pressure loss coefficient Zeta (K) value: Ratio of static to dynamic pressure loss.

Zeta (K) = Diff pressure / (500 X V²)
Diff pressure (Pa)
V: Water flow velocity (m/sec)

Actual diff pressure (bar) = (Q / Kv)²
Q: Actual water flow (m³/hr)

FLOW, KV VALUES AND ZETA VALUES FOR SERIES 756 BUTTERFLY VALVES

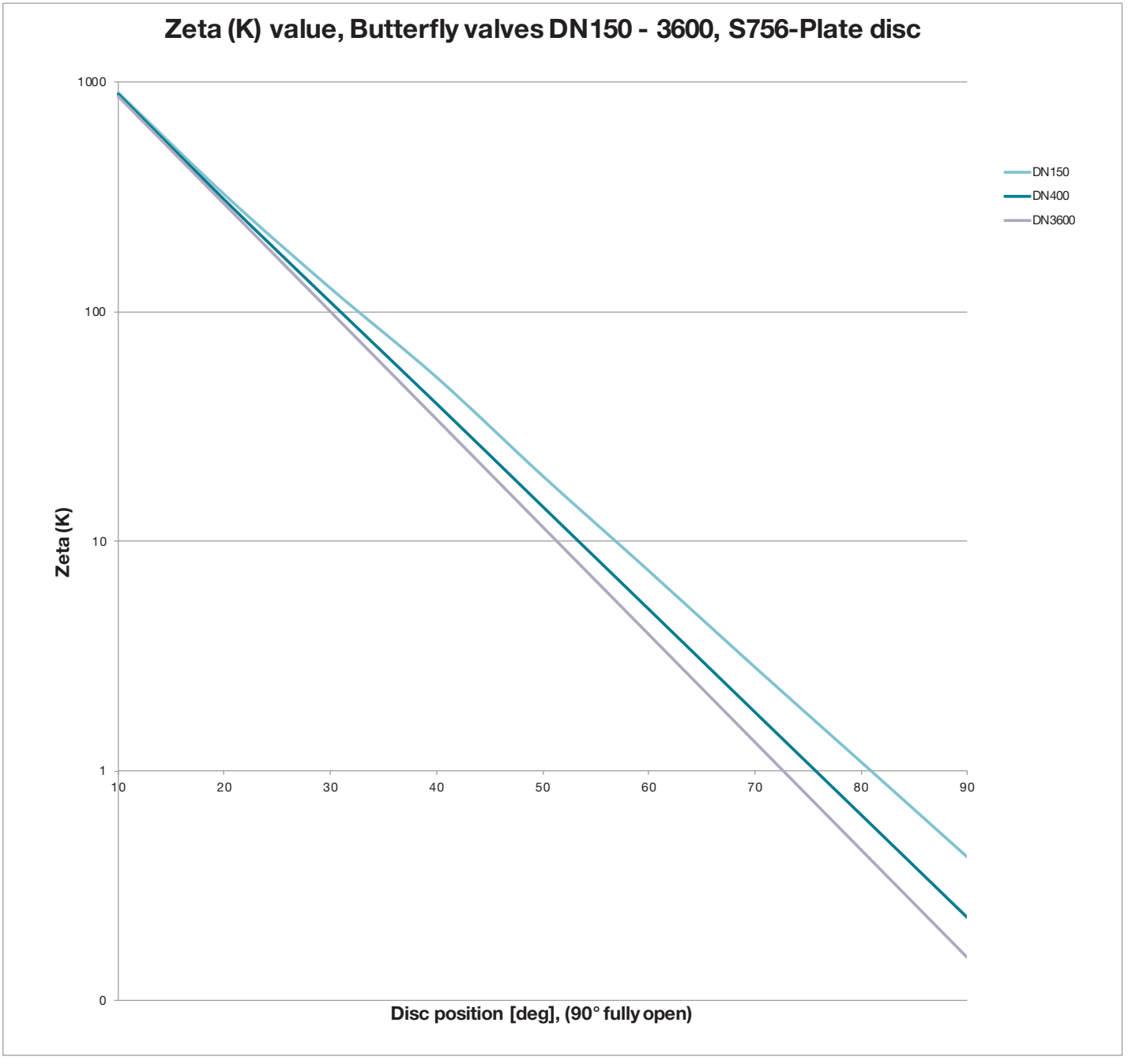


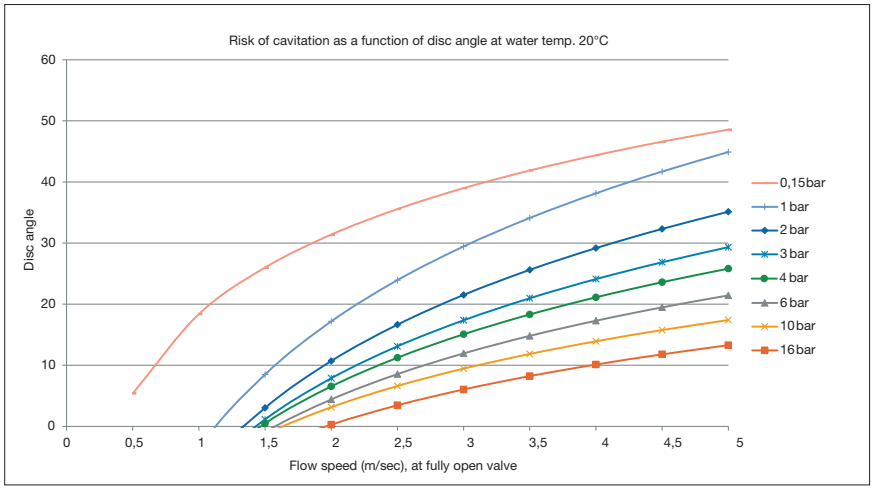
KV VALUES AND ZETA VALUES FOR BUTTERFLY VALVES, SERIES 756 / PLATE DISC

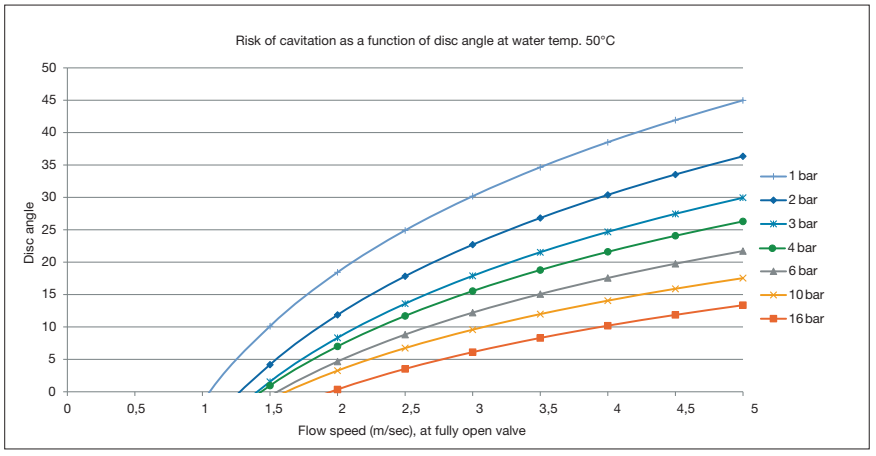
		Angle								
	DN	**10°**	**20°**	**30°**	**40°**	**50°**	**60°**	**70°**	**80°**	**90°**
Kv	150	30.38	64.13	113.06	176.06	280.13	455.63	730.69	1,064.25	1,384.31
Zeta		876.09	196.57	63.23	26.08	10.30	3.89	1.51	0.71	0.42
Kv	200	54.00	114.00	201.00	313.00	498.00	810.00	1,299.00	1,892.00	2,461.00
Zeta		876.09	196.57	63.23	26.08	10.30	3.89	1.51	0.71	0.42
Kv	250	85.00	179.00	315.00	490.00	779.00	1,266.00	2,038.00	2,956.00	4,361.00
Zeta		863.26	194.66	62.86	25.98	10.28	3.89	1.50	0.71	0.33
Kv	300	122.00	257.00	454.00	706.00	1,122.00	1,823.00	2,923.00	4,257.00	6,121.00
Zeta		868.93	195.81	62.75	25.95	10.27	3.89	1.51	0.71	0.35
Kv	350	166.00	350.00	618.00	962.00	1,527.00	2,481.00	4,298.00	6,658.00	10,193.00
Zeta		869.51	195.59	62.74	25.89	10.28	3.89	1.30	0.54	0.23
Kv	400	217.00	458.00	807.00	1,255.00	1,995.00	3,241.00	5,613.00	8,696.00	13,337.00
Zeta		868.04	194.86	62.76	25.95	10.27	3.89	1.30	0.54	0.23
Kv	450	275.00	575.00	1,021.00	1,588.00	2,525.00	4,102.00	7,185.00	11,007.00	17,320.00
Zeta		865.77	198.03	62.81	25.96	10.27	3.89	1.27	0.54	0.22
Kv	500	339.00	716.00	1,261.00	1,961.00	3,117.00	5,064.00	8,771.00	13,588.00	22,460.00
Zeta		868.36	194.66	62.76	25.95	10.27	3.89	1.30	0.54	0.20
Kv	600	489.00	1,031.00	1,816.00	2,824.00	4,489.00	7,292.00	12,631.00	19,971.00	34,328.00
Zeta		865.38	194.67	62.75	25.95	10.27	3.89	1.30	0.52	0.18
Kv	700	665.00	1,403.00	2,472.00	3,844.00	6,110.00	9,926.00	17,192.00	26,634.00	37,844.00
Zeta		866.89	194.76	62.74	25.94	10.27	3.89	1.30	0.54	0.27
Kv	800	869.00	1,833.00	3,229.00	5,021.00	7,980.00	12,964.00	22,455.00	34,787.00	57,667.00
Zeta		866.04	194.65	62.73	25.94	10.27	3.89	1.30	0.54	0.20
Kv	900	1,100.00	2,320.00	4,087.00	6,354.00	10,100.00	16,408.00	28,420.00	44,028.00	69,928.00
Zeta		865.77	194.63	62.72	25.95	10.27	3.89	1.30	0.54	0.21
Kv	1000	1,358.00	2,864.00	5,046.00	7,945.00	12,470.00	20,257.00	35,086.00	54,355.00	90,719.00
Zeta		865.80	194.66	62.71	25.29	10.27	3.89	1.30	0.54	0.19
Kv	1200	1,956.00	4,125.00	7,267.00	11,297.00	17,956.00	29,170.00	50,524.00	87,511.00	133,343.00
Zeta		865.38	194.58	62.69	25.94	10.27	3.89	1.30	0.43	0.19
Kv	1400	2,663.00	5,615.00	9,891.00	15,377.00	24,441.00	39,704.00	68,769.00	119,112.00	196,585.00
Zeta		864.94	194.55	62.70	25.94	10.27	3.89	1.30	0.43	0.16
Kv	1500	3,057.00	6,446.00	11,351.00	17,657.00	28,100.00	45,704.00	78,769.00	137,112.00	207,333.00
Zeta		864.95	194.54	62.74	25.93	10.24	3.87	1.30	0.43	0.19
Kv	1600	3,478.00	7,333.00	12,919.00	20,084.00	31,923.00	51,858.00	89,821.00	155,575.00	247,676.00
Zeta		865.04	194.60	62.70	25.94	10.27	3.89	1.30	0.43	0.17
Kv	1800	4,402.00	9,281.00	16,351.00	25,419.00	40,403.00	65,633.00	113,680.00	196,900.00	332,094.00
Zeta		864.98	194.59	62.69	25.94	10.27	3.89	1.30	0.43	0.15
Kv	2000	5,435.00	11,459.00	20,187.00	31,382.00	49,880.00	81,028.00	140,346.00	243,086.00	432,322.00
Zeta		864.85	194.56	62.69	25.94	10.27	3.89	1.30	0.43	0.14
Kv	2200	6,577.00	13,865.00	24,427.00	37,973.00	60,355.00	98,045.00	169,819.00	294,135.00	524,915.00
Zeta		864.67	194.57	62.69	25.94	10.27	3.89	1.30	0.43	0.14
Kv	2400	7,827.00	16,501.00	29,069.00	45,183.00	71,825.00	116,700.00	201,500.00	349,000.00	533,427.00
Zeta		864.71	194.55	62.69	25.95	10.27	3.89	1.30	0.43	0.19
Kv	2600	9,185.49	19,366.02	34,118.17	53,022.03	84,305.99	137,010.71	236,686.22	413,877.55	688,574.98
Zeta		864.78	194.55	62.68	25.95	10.27	3.89	1.30	0.43	0.15
Kv	2800	10,653.00	22,460.00	39,569.00	61,493.00	97,775.00	158,900.00	274,500.00	480,000.00	798,584.00
Zeta		864.78	194.55	62.68	25.95	10.27	3.89	1.30	0.43	0.15
Kv	3000	12,229.21	25,783.16	45,423.60	70,591.45	112,241.71	182,410.71	315,114.80	551,020.41	916,741.84
Zeta		864.78	194.55	62.68	25.95	10.27	3.89	1.30	0.43	0.15
Kv	3200	13,914.12	29,335.51	51,681.96	80,317.39	127,706.12	207,542.86	358,530.61	626,938.78	1,043,048.49
Zeta		864.78	194.55	62.68	25.95	10.27	3.89	1.30	0.43	0.15
Kv	3600	17,610.06	37,127.76	65,409.98	101,651.69	161,628.06	262,671.43	453,765.31	793,469.39	1,320,108.24
Zeta		864.78	194.55	62.68	25.95	10.27	3.89	1.30	0.43	0.15

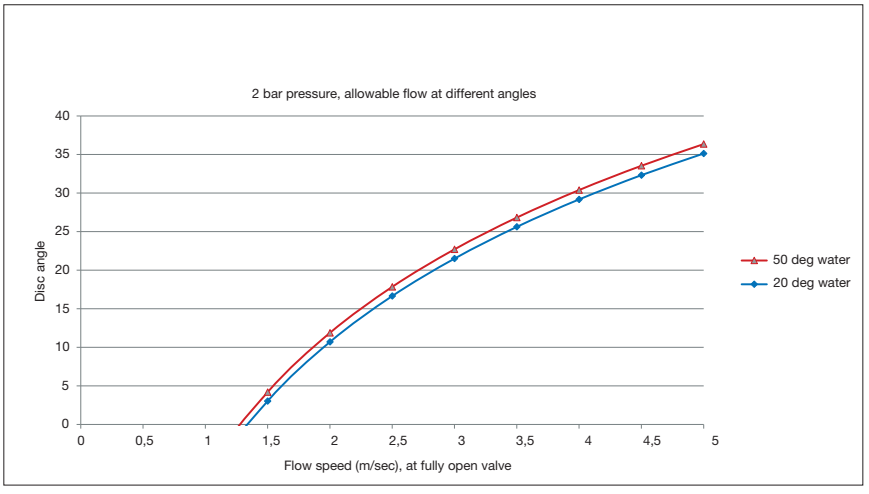
NOTE: Above hydraulic figures are based on both tests and CFD calculations, depending on size. Value uncertainty, ref EN1267

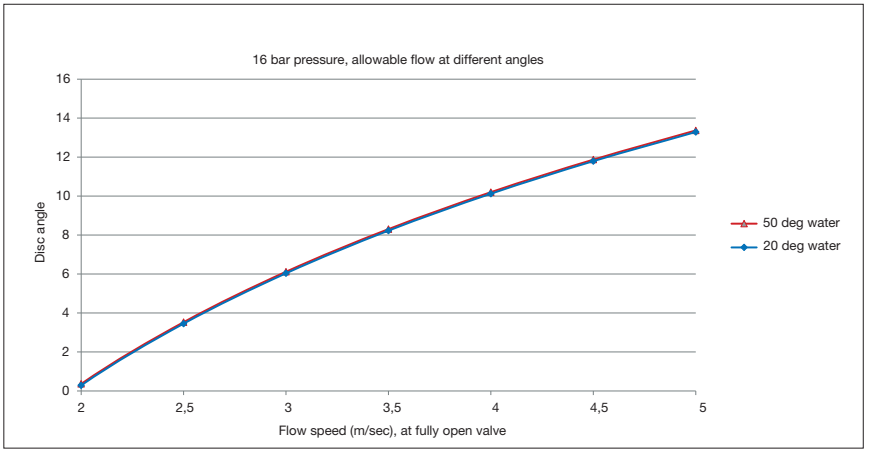
FLOW, KV VALUES AND ZETA VALUES FOR SERIES 756 BUTTERFLY VALVES




Risk of cavitation as a function of disc angle at water temp. 20°C
Disc angle
Flow speed (m/sec), at fully open valve
0,15bar
1 bar
2 bar
3 bar
4 bar
6 bar
10 bar
16 bar


Risk of cavitation as a function of disc angle at water temp. 50°C
Disc angle
Flow speed (m/sec), at fully open valve
1 bar
2 bar
3 bar
4 bar
6 bar
10 bar
16 bar


2 bar pressure, allowable flow at different angles
Disc angle
Flow speed (m/sec), at fully open valve
50 deg water
20 deg water


16 bar pressure, allowable flow at different angles
Disc angle
Flow speed (m/sec), at fully open valve
50 deg water
20 deg water

KV VALUES AND ZETA VALUES FOR SERIES 820 BUTTERFLY VALVES

Opening angle	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450
20°	1021,87	1596,68	2494,81	3166,86	1021,87	709,64	497,21	742,26	709,64	357,96	323,33	305,61	306,81	302,80
30°	744,11	560,70	203,66	235,55	135,12	130,34	79,55	89,56	83,42	53,95	50,71	51,82	55,27	56,13
40°	66,97	56,57	44,35	49,48	26,16	32,59	21,39	19,23	20,27	17,92	16,33	16,64	18,17	18,14
50°	16,74	15,97	12,73	12,37	9,49	9,45	7,37	7,89	7,59	7,06	6,15	5,70	6,59	6,60
60°	7,44	6,54	4,93	3,94	3,64	3,15	3,01	2,40	3,08	2,85	2,93	2,41	2,58	2,57
70°	2,48	2,99	2,16	1,50	1,24	0,95	1,08	0,84	1,00	0,96	0,90	0,94	0,94	0,87
80°	1,45	1,93	1,29	0,88	0,67	0,47	0,46	0,41	0,43	0,40	0,36	0,37	0,39	0,37
90°	1,05	1,63	1,00	0,65	0,50	0,38	0,35	0,31	0,33	0,31	0,28	0,28	0,30	0,28

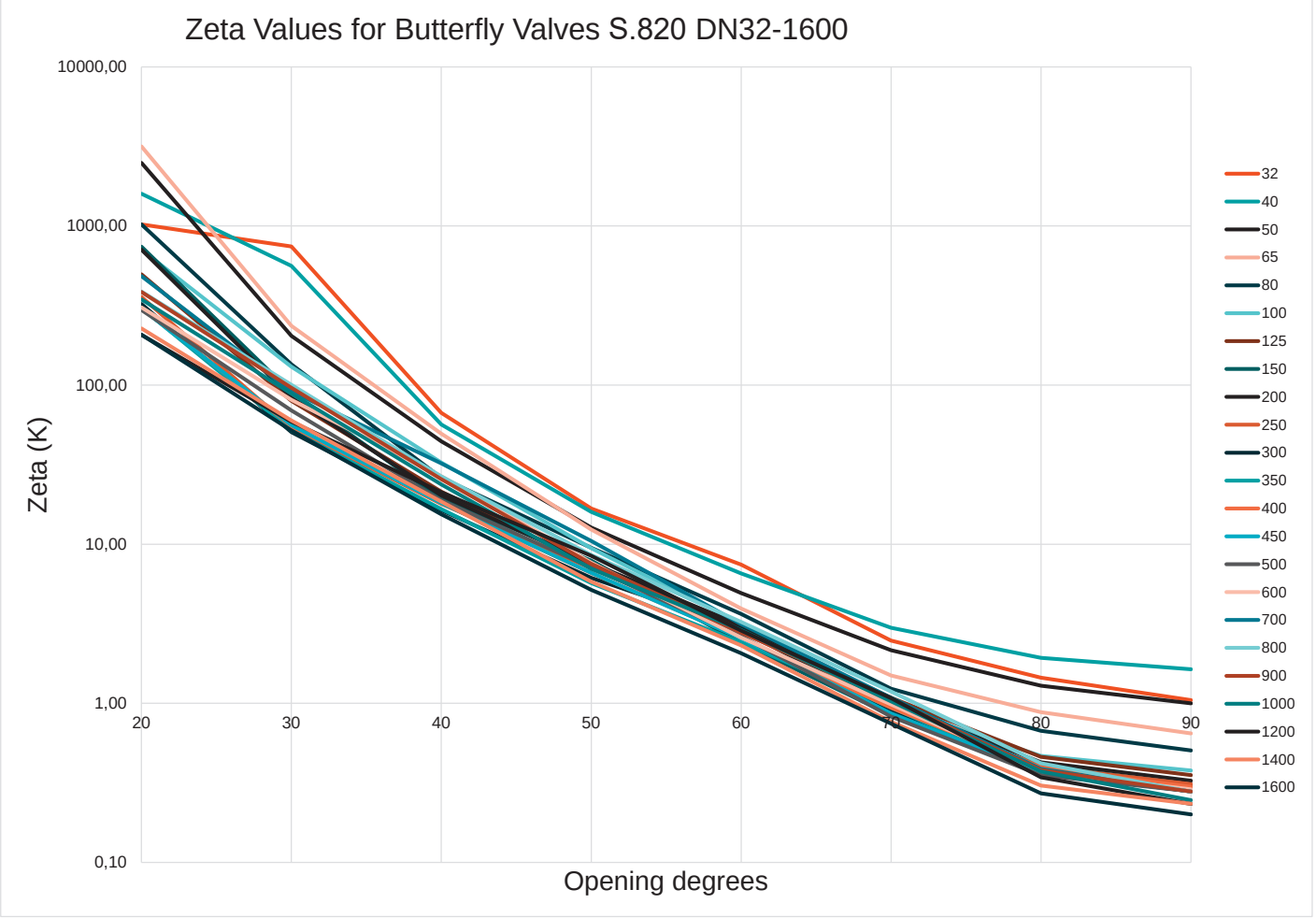
Opening of valve	DN500	DN600	DN700	DN800	DN900	DN1000	DN1200	DN1400	DN1600
20°	296,65	307,75	483,98	386,98	384,79	345,41	206,93	226,84	207,58
30°	69,30	80,83	91,22	100,58	96,20	88,40	58,86	59,89	51,82
40°	18,86	26,78	32,21	26,69	25,58	23,75	21,19	18,52	15,42
50°	7,13	7,65	10,47	8,54	7,52	7,00	8,45	5,81	5,17
60°	2,64	2,59	3,14	3,24	2,78	2,89	2,86	2,31	2,06
70°	0,82	0,98	1,08	1,18	1,06	1,03	1,08	0,77	0,75
80°	0,35	0,37	0,39	0,42	0,38	0,37	0,34	0,30	0,27
90°	0,28	0,29	0,28	0,28	0,28	0,25	0,23	0,23	0,20

Definitions / formulas:
Kv-value: Actual flow of water (m^3/ hr) creating pressure loss of 1 bar.
Pressure loss coefficient Zeta (K) value: Ratio of static to dynamic pressure loss.

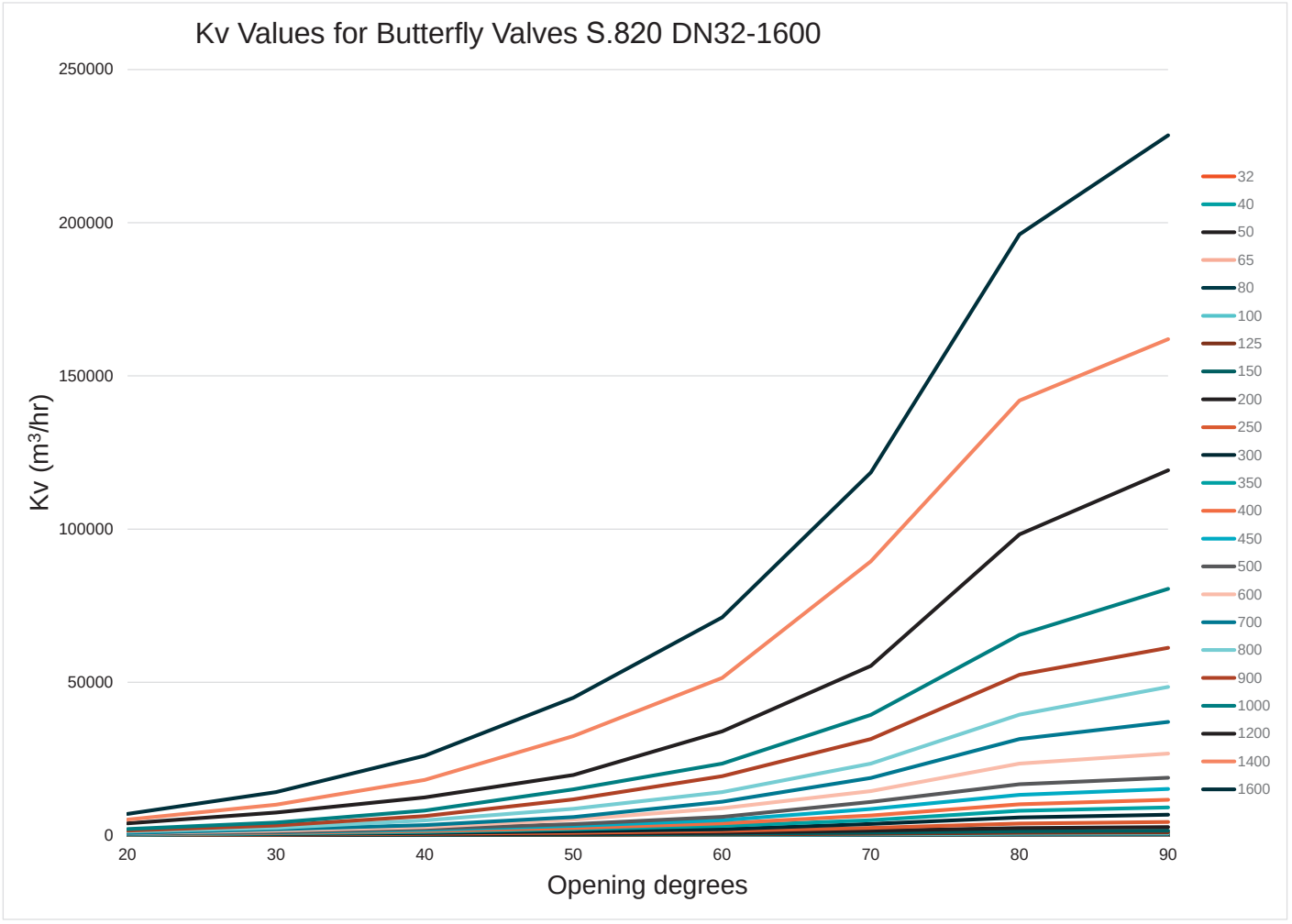
Zeta (K) = Diff pressure / (500 X V^2)
Diff pressure (Pa)
V: Water flow velocity (m/sec)

Actual diff pressure (bar) = $(Q / Kv)^2$
Q: Actual water flow (m^3/hr)

NOTE: Hydraulic figures are based on calculations. Value uncertainty as per ref EN1267


Zeta Values for Butterfly Valves S.820 DN32-1600
10000,00
1000,00
100,00
10,00
1,00
0,10
Zeta (K)
20
30
40
50
60
70
80
90
Opening degrees
32
40
50
65
80
100
125
150
200
250
300
350
400
450
500
600
700
800
900
1000
1200
1400
1600

ZETA VALUES
FOR SERIES 820 BUTTERFLY VALVES



FLOW VALUES FOR SERIES 75 BUTTERFLY VALVES

ISOLATING VALVES (ON-OFF)

Flow data of isolating valves is normally used within the calculations for pipework sizing and system pressure losses when the valve is in the fully open position. Many on/off isolating valves spend most of the time in the fully open position and therefore these valves should have high Kv figures to reduce pressure drops, increase plant efficiency and contribute to reducing energy costs. AVK has developed valves with a lot of attention being paid to achieving excellent flow characteristics.

PN16
Flow coefficient - Kv - at fully open valve position (16 bar execution)

	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500	DN600	DN700
NPS	1½"	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"
Stainless steel disc		95	231	491	690	1450	1945	4095	6085	9570	13500	16350	12730	17000	37200	34470
Aluminium bronze disc		95	231	491	690	1450	1945	4095	4260	6360	8975	10130	12730	17000	24810	34470
Ductile iron disc		-	-	-	-	-	-	-	4260	6360	8975	10130	12730	17000	24810	34470

	DN750	DN800	DN900	DN1000	DN1100	DN1200	DN1400
NPS	30"	32"	36"	40"	44"	48"	56"
Stainless steel disc	38005	45540	58290	73510	92940	108400	
Aluminium bronze disc	38005	45540	58290	73510	92940	108400	
Ductile iron disc	38005	45540	58290	73510	92940	108400	

CV = 1.16 x Kv.

PN25
Flow coefficient - Kv - at fully open valve position (25 bar execution)

	DN600	DN700	DN750	DN800	DN900	DN1000	DN1100	DN1200	DN1400
NPS	24"	28"	30"	32"	36"	40"	44"	48"	56"
Stainless steel disc	22249	29511	33790	38818	46739	60253	68542	89906	
Aluminium bronze disc	22249	29511	33790	38818	46739	60253	68542	89906	
Ductile iron disc	22249	29511	33790	38818	46739	60253	68542	89906	

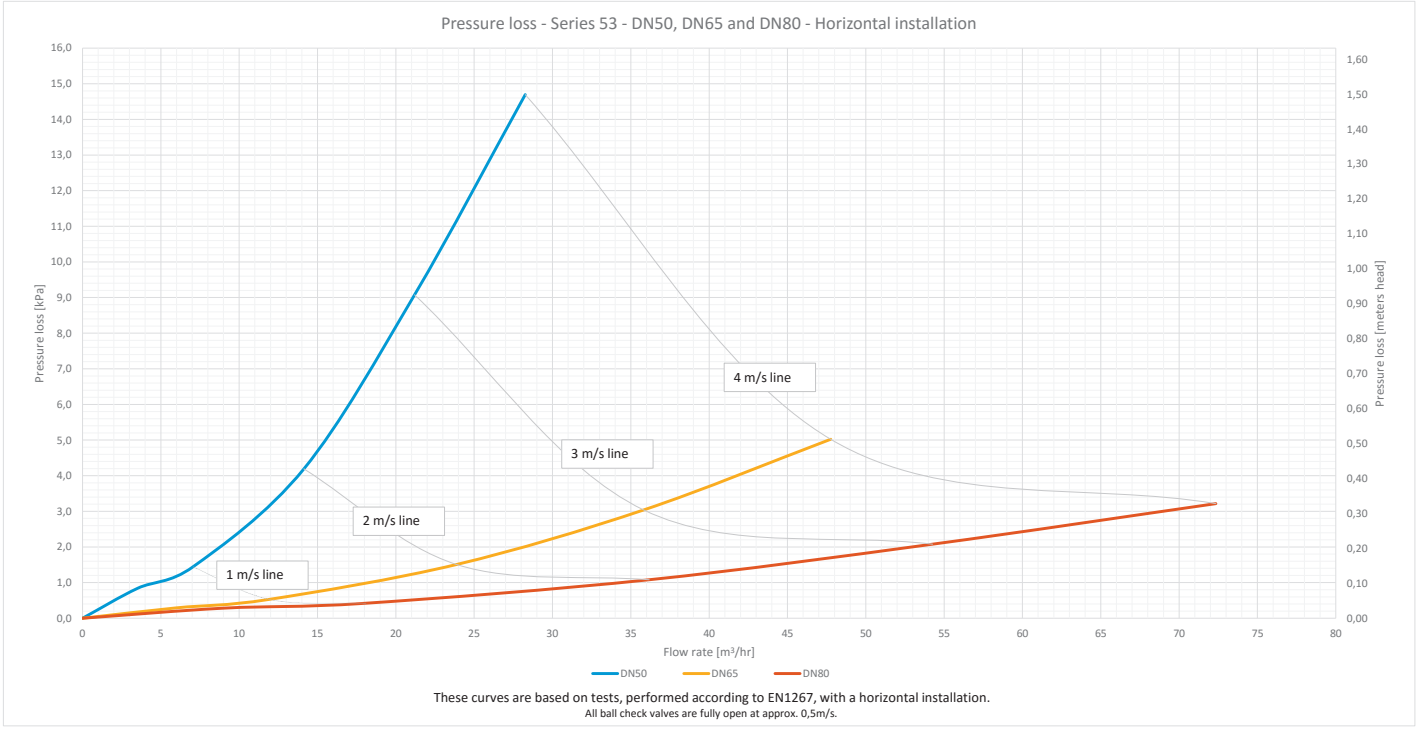
CV = 1.16 x Kv.

Regulating valves

The sizing of regulating valves requires detailed calculations for each case, taking into account e.g. noise and cavitation. Please ask AVK for advice or ask for our special Technical data sheet for the selection and sizing of butterfly valves for control applications.

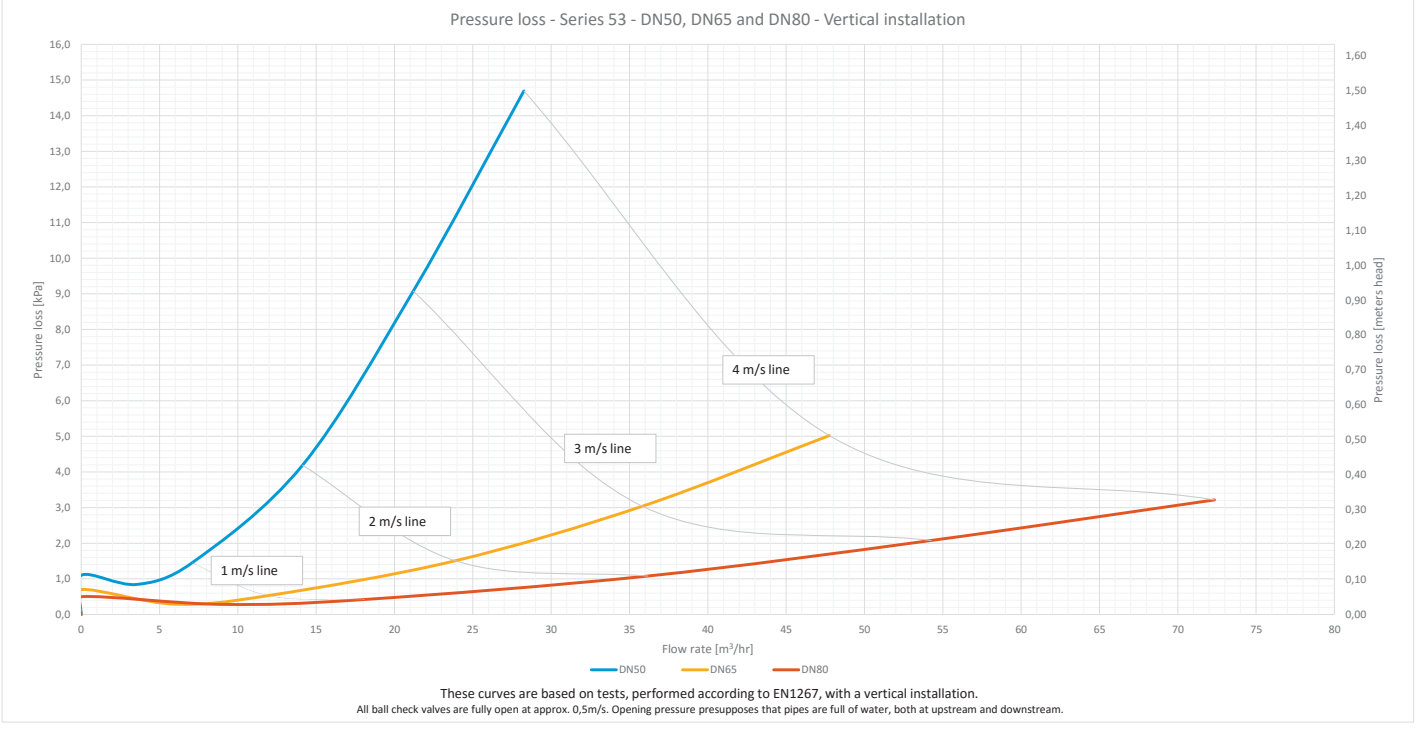
PRESSURE LOSS
BALL CHECK VALVES

DN50, DN65 AND DN80 - HORIZONTAL INSTALLATION



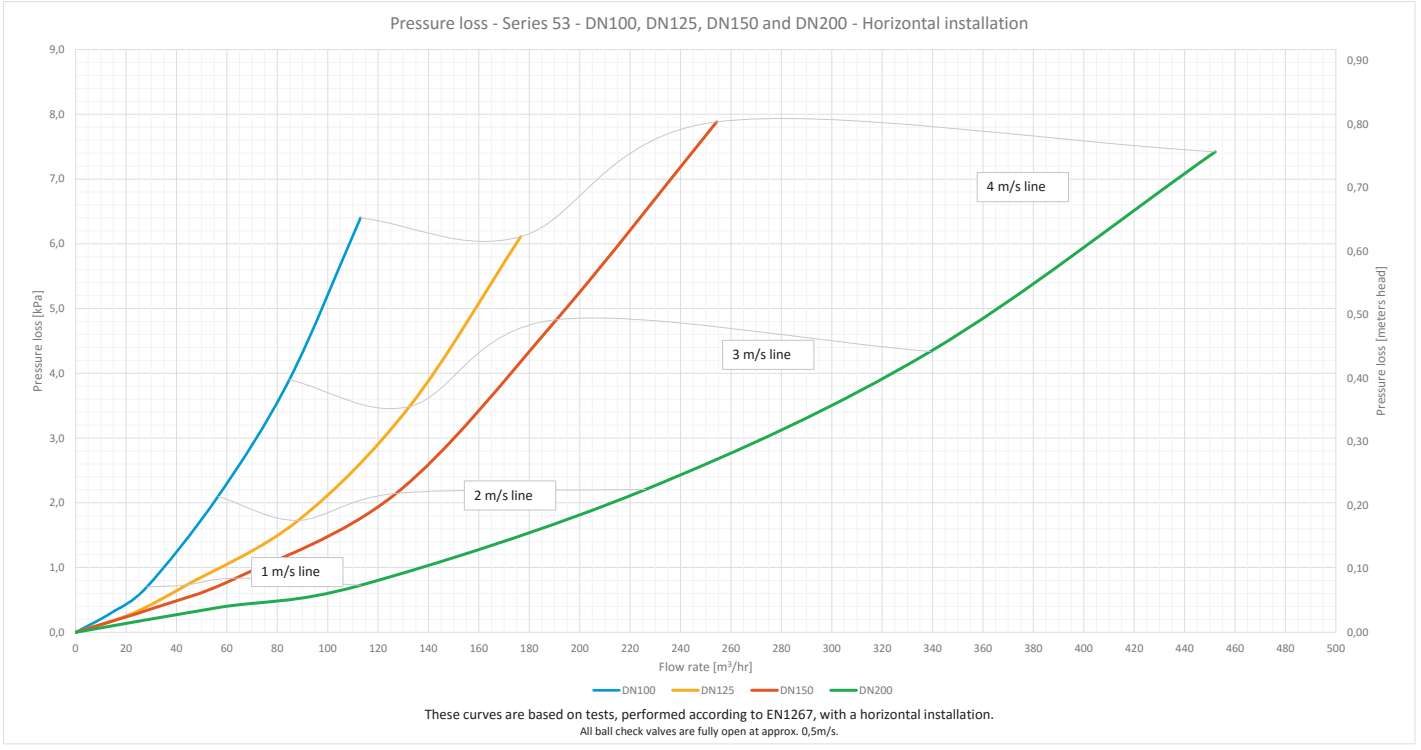
These curves are based on tests, performed according to EN1267, with a horizontal installation.
All ball check valves are fully open at approx. 0,5m/s.

DN50, DN65 AND DN80 - VERTICAL INSTALLATION



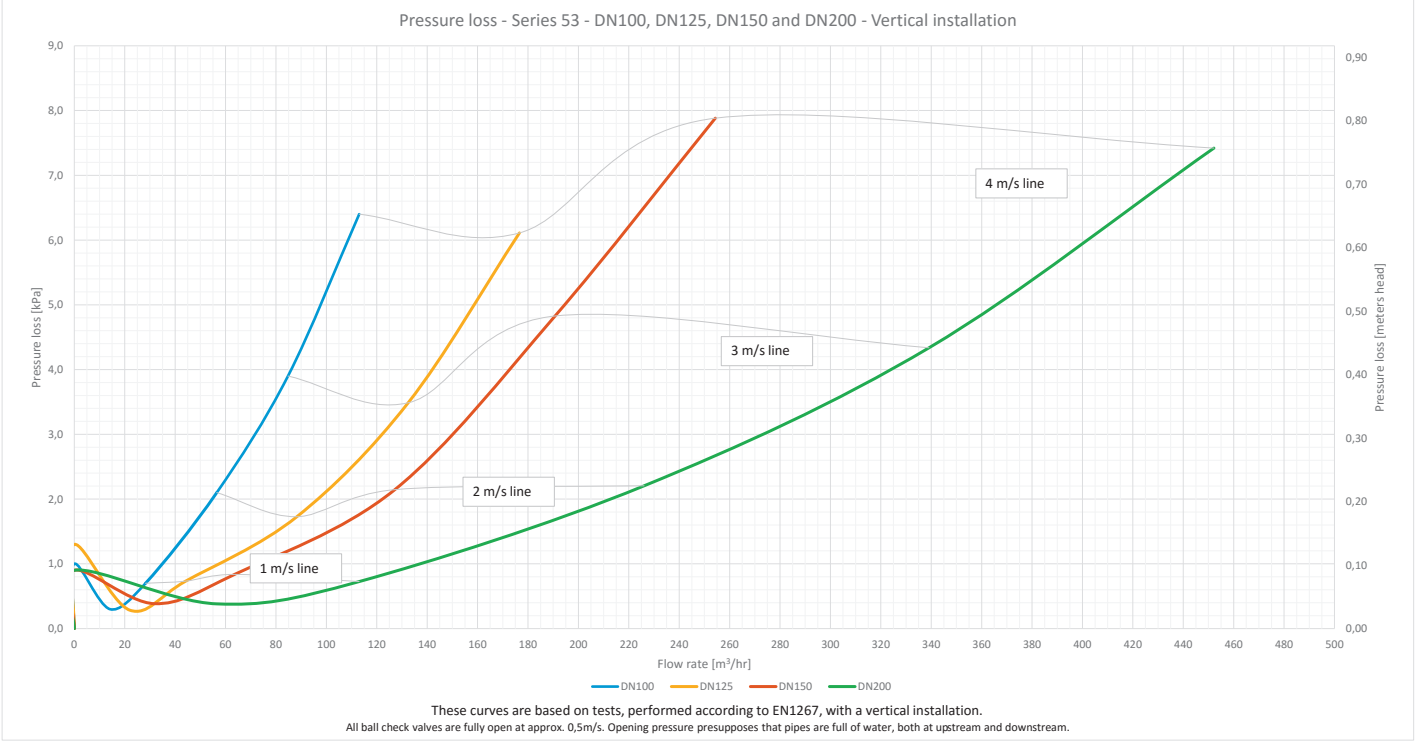
These curves are based on tests, performed according to EN1267, with a vertical installation.
All ball check valves are fully open at approx. 0,5m/s. Opening pressure presupposes that pipes are full of water, both at upstream and downstream.

DN100, DN125, DN150 AND DN200 - HORIZONTAL INSTALLATION



These curves are based on tests, performed according to EN1267, with a horizontal installation.
All ball check valves are fully open at approx. 0,5m/s.

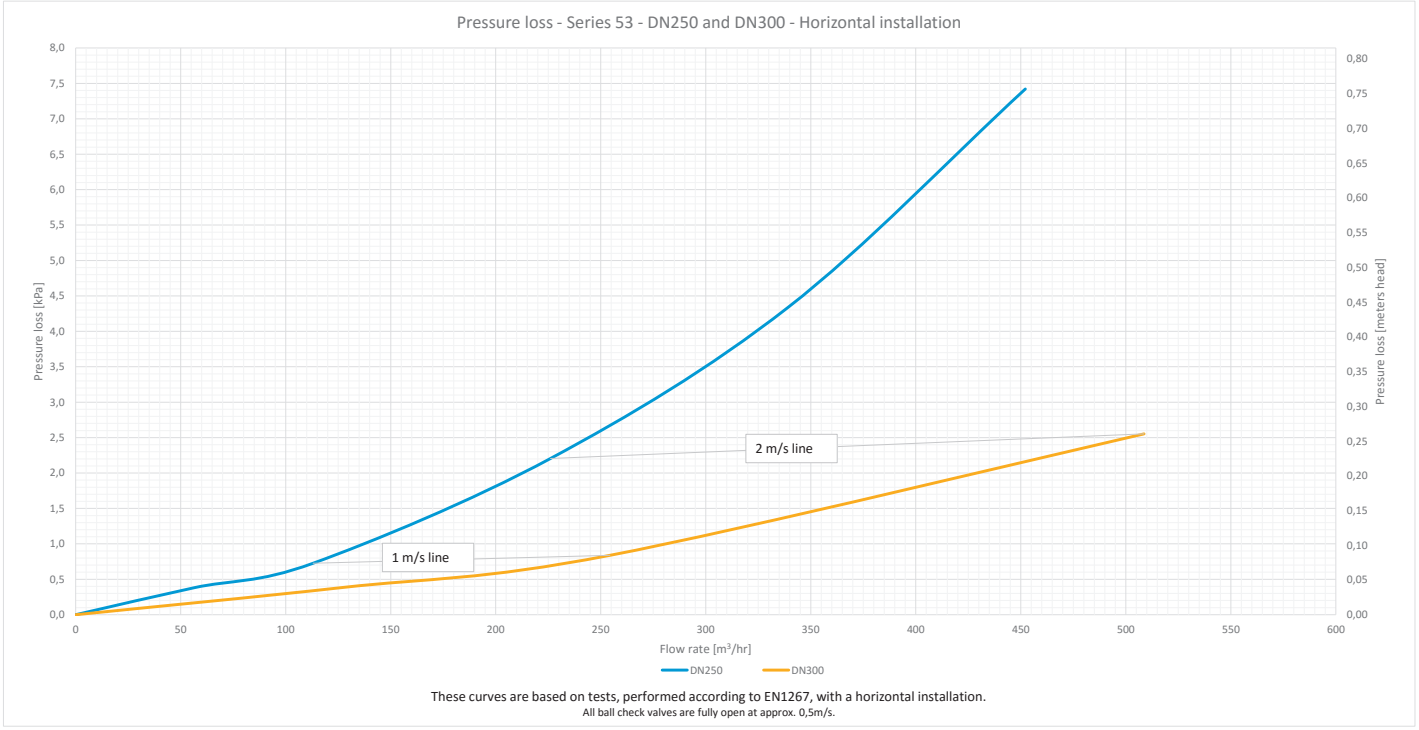
DN100, DN125, DN150 AND DN200 - VERTICAL INSTALLATION



These curves are based on tests, performed according to EN1267, with a vertical installation.
All ball check valves are fully open at approx. 0,5m/s. Opening pressure presupposes that pipes are full of water, both at upstream and downstream.

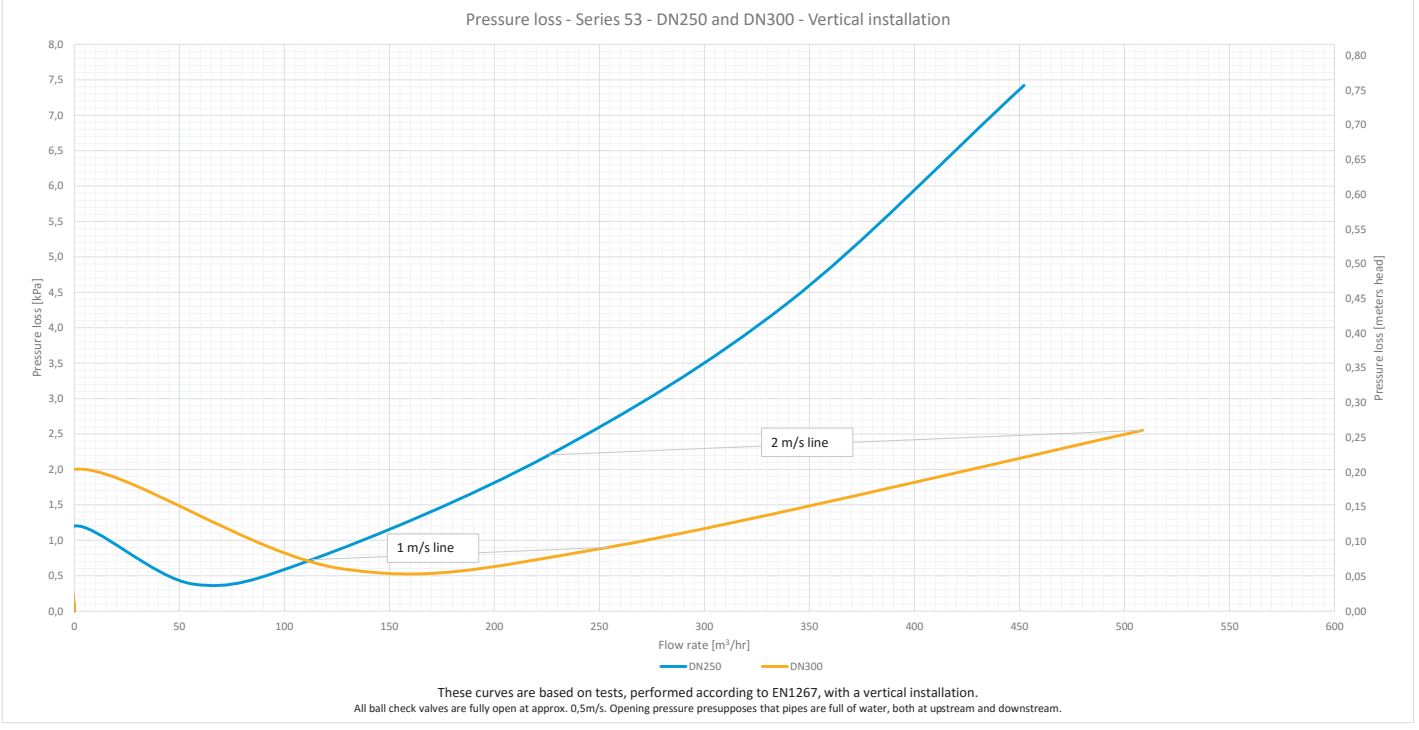
PRESSURE LOSS
BALL CHECK VALVES

DN200 AND DN300 - HORIZONTAL INSTALLATION



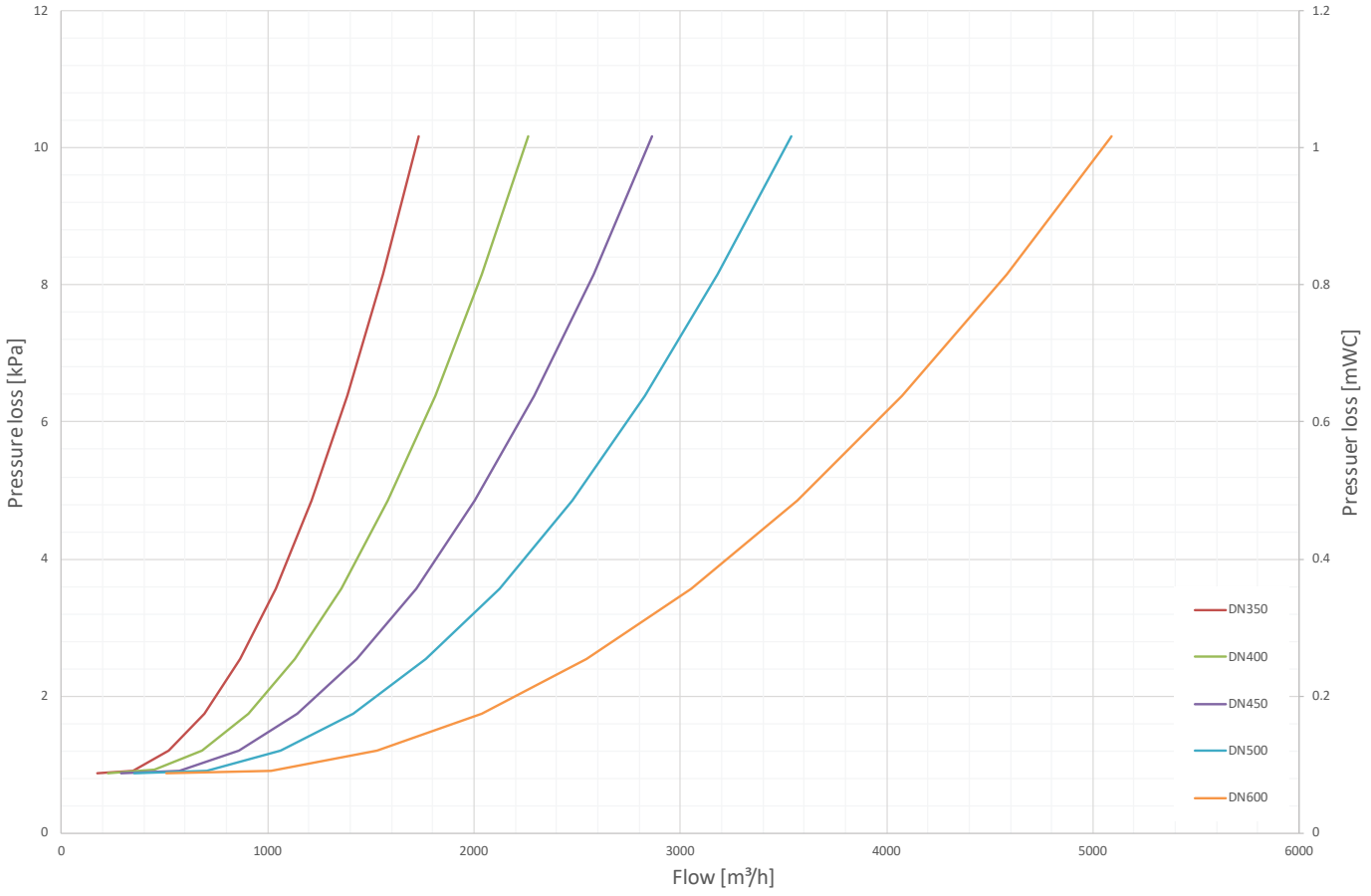
These curves are based on tests, performed according to EN1267, with a horizontal installation.
All ball check valves are fully open at approx. 0,5m/s.

DN200 AND DN300 - VERTICAL INSTALLATION



These curves are based on tests, performed according to EN1267, with a vertical installation.
All ball check valves are fully open at approx. 0,5m/s. Opening pressure presupposes that pipes are full of water, both at upstream and downstream.

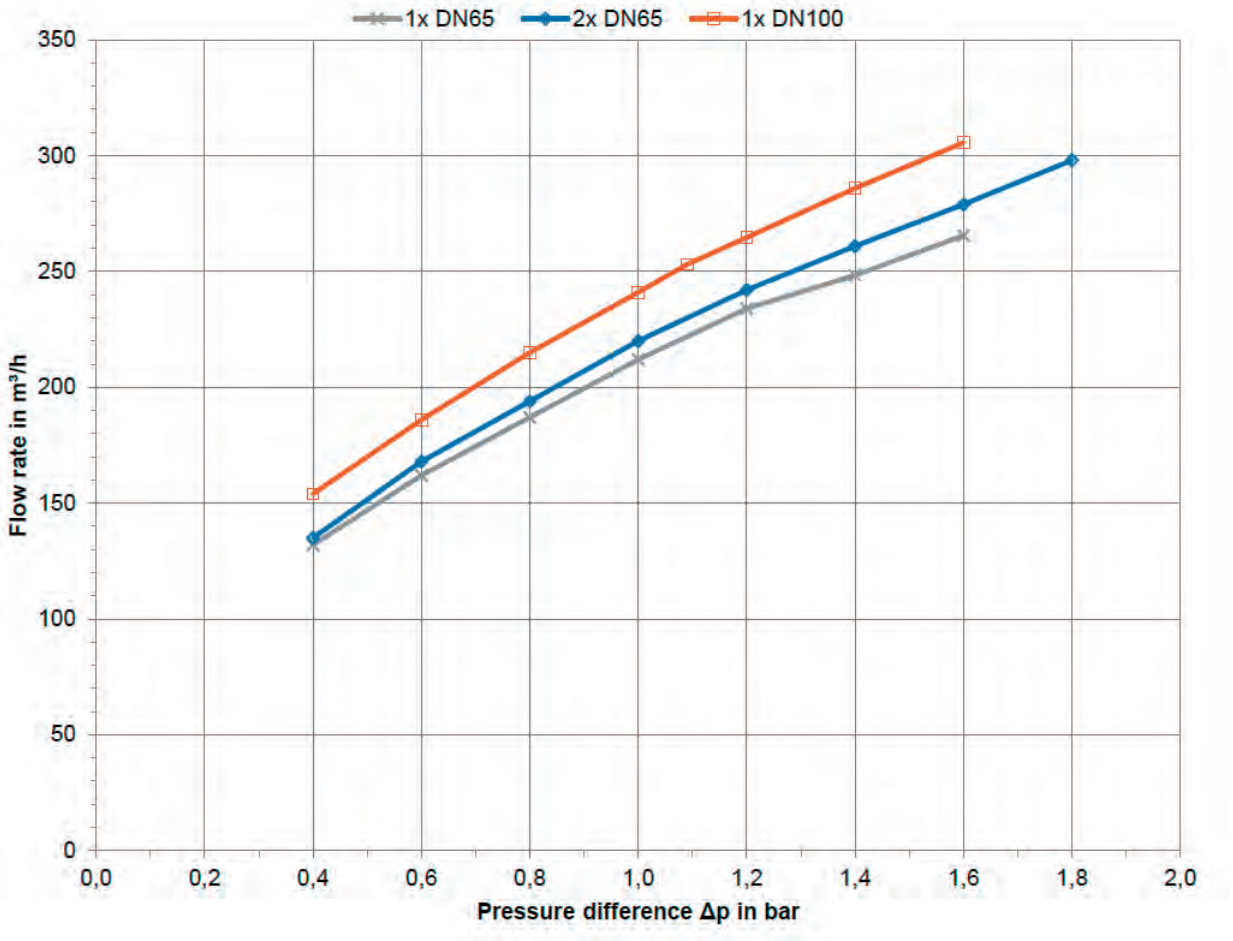
DN350, DN400, DN450, DN500 AND DN600



FLOW MEASUREMENT
N7 DN100 ABOVE GROUND HYDRANT

Flow Chart N7 DN100 (additional ball shut-off) according to DIN EN 14384:2005-10

Outlet	Kv m³/h
1x DN65 (Storz B)	210
2x DN65 (Storz B)	217
1x DN100 (Storz A)	257

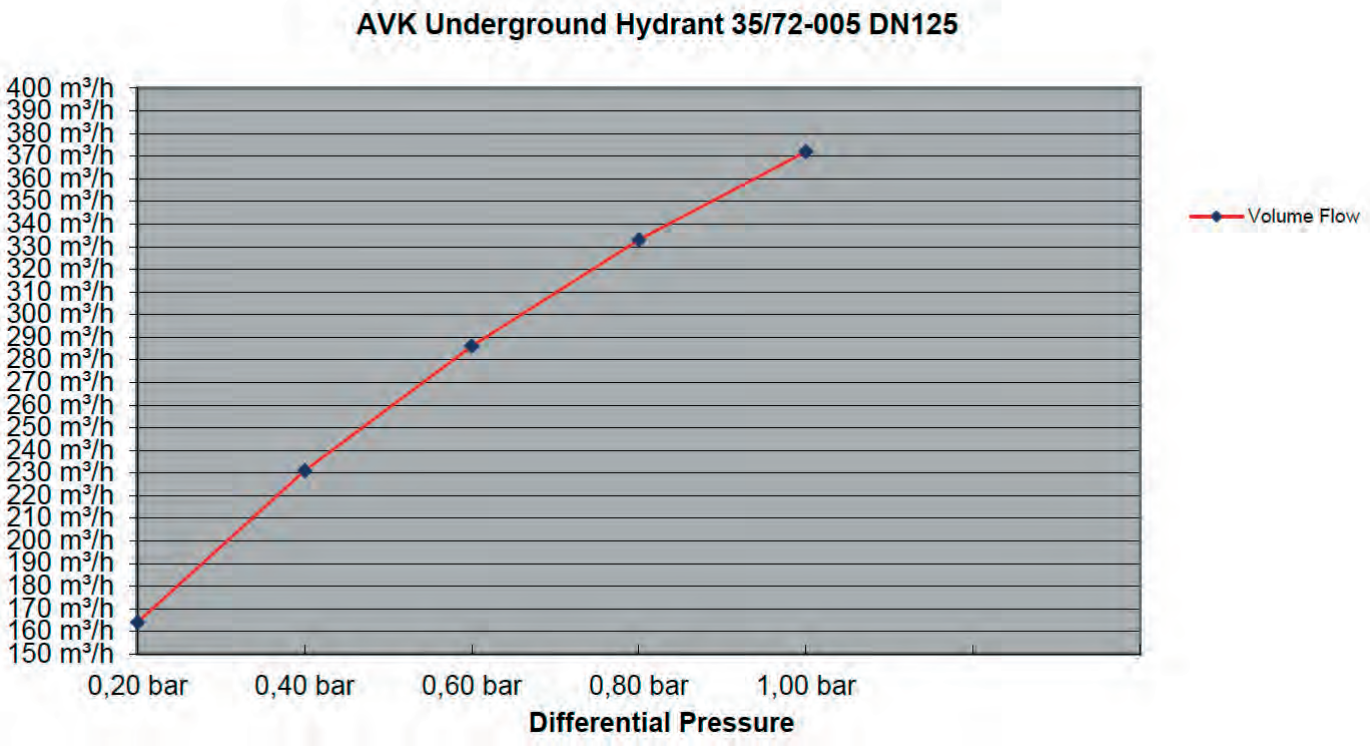


FLOW MEASUREMENT
UCRAIN UUH DN125 UNDER GROUND HYDRANT

Performance flow chart for, AVK Underground Hydrant Series 35/72-005

Differential Pressure bar	Volume Flow GOST 8220-85
0,2	164 m³/h
0,4	231 m³/h
0,6	286 m³/h
0,8	333 m³/h
1,00	372 m³/h

Kv= 372 m³/h



TERMS AND CONDITIONS OF SALE AND DELIVERY

1. Applicability
These general terms and conditions of sale and delivery ("**Conditions**") shall govern the current and future supply and delivery of products and services ("**Products**") from AVK International A/S ("**Supplier**") and purchased by the purchaser ("**Purchaser**"), unless otherwise agreed in writing. The applicability of any general and special terms and conditions of the Purchaser shall be excluded.

2. Quotations and Orders
The Supplier's quotations of Products and pricing shall be subject to change.

Contracts for delivery shall be accepted upon (i) written quotation by the Supplier accepted by the Purchaser in accordance with the terms of the quotation and subsequently confirmed by the Supplier in writing (ii) written confirmation by the Supplier of the Purchaser's order (each a "**Binding Order**"). A modification of a Binding Order shall be in writing.

3. Prices
All prices quoted by the Supplier shall be valid for 30 days only. The price of the Products shall be the price quoted by the Supplier or, where no price has been quoted (or the quoted price is no longer valid), the price listed in the Supplier's pricelist applicable at the date of acceptance. All prices shall be quoted by the Supplier on an ex works basis (EXW – INCOTERMS 2020) unless otherwise agreed in writing. The costs of packaging will be charged to the Purchaser in addition to the price of the Products. The prices are exclusive of any import duties, VAT, levies, taxes and other charges which may be imposed on the Products. Any typographical, clerical or other error or omission in any quotation, pricelist, acceptance offer, or other document or information issued by the Supplier may be corrected by the Supplier without any liability on the part of the Supplier.

The Supplier reserves the right by giving notice to the Purchaser at any time prior to dispatch to increase the price of the Products to reflect any substantial increase in the cost of the Supplier, which is due to factors beyond the control of the Supplier (including, but not limited to, any foreign exchange fluctuation, currency regulation, alteration of duties, significant increase in the cost of labour, materials or other cost of manufacture or transportation) that gives the Supplier a disadvantage compared to the circumstances prevailing at the date of the acceptance of the Binding Order. Any such increase of price shall reflect the actual increased cost level as evidenced by the Supplier's records.

4. Terms of Payment
The Supplier shall be entitled to invoice the Purchaser for the price of the Products on, or at any time after, the scheduled delivery of the Products. The time of payment of the price of the Products is of the essence. The Purchaser shall pay the invoice for the Products within 30 days of the date of the invoice from the Supplier. If the Purchaser fails to make full payment on the due date, then, without prejudice to any other right or remedy available to the Supplier, the Supplier shall be entitled to (i) charge interest on the amount unpaid, at a rate of, at present, 1,00 % per month or fraction thereof (interest will be added monthly) and (ii) charge a fee of EUR 20 per payment reminder.

In the event of any payment default by the Purchaser, the Supplier shall be entitled to postpone the delivery and to store any undelivered Products at the expense of the Purchaser by use of a freight forwarding agency or by utilizing the storage facilities of the Supplier until payment of due invoices.

5. Delivery
Delivery shall take place EX WORKS (INCOTERMS 2020). Prior to dispatch, the Purchaser shall give the Supplier information regarding VAT number of the Purchaser. Upon receipt of the Products, the Purchaser shall issue to the Supplier a notice acknowledging the receipt of the Products and return required export statements. The Supplier shall be entitled to make partial deliveries. If the Purchaser fails to take delivery, the Supplier shall be entitled to store any undelivered Products at the expense of the Purchaser, i.e., by use of a freight forwarding agency or by utilizing the storage facilities of the Supplier. In the event of late delivery attributable to the Supplier, the Purchaser may seek liquidated damages for delay equal to zero-point five (0.5%) percent of the price of the invoiced value of the delayed Products per week or fraction thereof up to a maximum of five (5.0%) percent of the invoiced value of the delayed Products. Liquidated damages as set out in this clause 5 shall be the only remedies available to the Purchaser in the event of a delay in delivery or non-delivery.

6. Cancellation and Return
A Binding Order can only be cancelled by written agreement between the Supplier and the Purchaser. The Supplier shall be entitled to charge the Purchaser with all costs that the Supplier may incur as a result of the Purchaser cancelling an order. Returns cannot be accepted more than 6 months after delivery.

The Purchaser cannot expect to receive payment of more than 70% of the purchase price of the Products returned. All returns must show the original invoice number, the date of delivery and be in a good sellable condition.

Return of special Products, Products which have been specially manufactured for the Purchaser or standard Products which have been changed to meet the Purchaser's specifications, shall not be accepted.

7. Packaging
Packaging may not be returned. Packaging which has been charged separately may be returned no later than three (3) months after the time of delivery but only upon written agreement.

8. Defects
The Purchaser shall be solely responsible for satisfying itself that the Products shall be suitable and/or fit for the particular purpose for which they have been ordered.

Products shall be deemed defective only when the Purchaser is able to prove that the Products are not in conformity with the Binding Order. At any rate, Defective Products shall be deemed not to include any non-conformity caused by

(i) the use of a Product for an application for which it has not been designed or which has not been recommended by the Supplier;

(ii) any change by the Purchaser of the chemical composition of the medium or treatment of the medium for which the Products has been used;
(iii) installation which is not in accordance with the Supplier's installation instructions (if any) and accepted codes of good practice;
(iv) lack of or faulty maintenance; and
(v) normal wear and tear.

The Purchaser shall carry out a reasonable inspection of the Products within five (5) working days following the receipt of the Products, ascertaining that no transport damage has occurred, and shall notify the Supplier in the event of transport damage.

All other defects shall, to the extent possible, be notified to the Supplier within fifteen (15) working days from detection, by defining the defect and declaring the claims to be asserted (the "**Notification Period**"). In any event, the Purchaser shall lose the right to rely on a lack of conformity of the Products if the Purchaser does not give notice thereof to the Supplier within a period of (i) two (2) years from the date of installation at the latest or (ii) three (3) years (collectively the "**Cut-Off Date**") from the date on which the Products were delivered (whichever occurs first). In respect of electronic Products, incl. VIDI Products, the Purchaser shall notify the Supplier of any non-conformity no later than two (2) years from the date of delivery, or the Purchaser shall no longer have the right to make any claim against the Supplier (the "**Short Cut-Off Date**"). The Purchaser may, at the Purchaser's discretion, demand the Supplier to repair or replace the non-conforming Products. The Supplier shall cover direct costs for access and restoration, transport of a defect-free product to the site of installation, dismantling and reinstallation at the site of installation of the defective Products. In the event of repair or replacement by the Supplier, the Cut-Off Date and/or the Short Cut-Off Date period shall run from the time when the Products were first actually delivered, and not from the time of repair or replacement. No other remedies shall be available to the Purchaser in the event of a lack of conformity of the Products.

9. Retention of Title

Notwithstanding delivery and the passing of the risk involved in the Products, or any other provision of these Conditions, the ownership of the Products shall not pass to the Purchaser until the Supplier has received in cash or cleared funds payment in full of any amount due. Until such time as the ownership of the Products passes to the Purchaser, the Purchaser shall hold the Products as the Supplier's fiduciary agent and bailee and shall keep the Products separate from those of the Purchaser and third parties and properly stored, protected and insured and identified as the property of the Supplier. Until that time, the Purchaser shall be entitled to re-sell or use the Products in the ordinary course of its business but shall account to the Supplier for the proceeds of sale or otherwise the Products, whether tangible or intangible, including insurance proceeds, and shall keep all such proceeds separate from any monies or property of the Purchaser and third parties and, in the event of tangible proceeds, properly stored, protected and insured.

Until such time as the ownership to the Products passes to the Purchaser (and provided the Products are still in existence and have not been re-sold), the Supplier shall be entitled, at any time, to require the Purchaser to deliver the Products to the Supplier and, if the Purchaser fails to do so, forthwith to enter upon any premises of the Purchaser or any third party where the Products are stored and re-possess the Products.

10. Liability

Notwithstanding anything to the contrary in these Conditions, for any and all claims, losses, costs and damages whether such are based on indemnification, contract negligence, breach of contract, breach of warranty, statutory rules or otherwise and to the fullest extent permitted by applicable law, the liability of the Supplier shall be limited to:

(i) in respect of property damage, the yearly limit shall be EUR 5 million (5,000,000); and
(ii) in respect of any other liability, the total aggregate liability of the Supplier shall be limited to the amount of the purchase price of the Products payable under the relevant Binding Order; and
(iii) reasonable costs for access and restoration, transport of a defect free product to the site of installation, dismantling and reinstallation at the site of installation of the defective Product to a maximum of EUR five million a year (5,000,000).

In no event shall the Supplier be liable to the Purchaser or to any third party for loss of profits, loss of revenue, loss of business opportunity, loss of time or for any indirect, incidental, special, consequential, punitive or exemplary damages arising out of or related to the delivery of any Products.

The limitation of liability set out above in this clause 10 shall not apply:

(i) in the event of claims for compensation as a result of death or bodily injury;
(ii) in the event of liability according to mandatory law;
(iii) in the event of wilful intent or gross negligence on the part of the Supplier; and
(iv) for reasonable costs in the event of an infringement of intellectual property rights related to the Supplier's performance; except infringement or violation arising from or based upon the Supplier's compliance with particular requirements of the Purchaser that differ from the Supplier's standard specifications for the Products.

11. Force Majeure

The Supplier shall not be liable for any delay or failure of performance due to strikes, lockouts, fires, floods, act of governmental authority, epidemics, pandemics, terrorism, political instability within the country in which the Supplier operates, acts of God or other causes beyond the Supplier's reasonable control provided that the Supplier has given notice to the Purchaser of any such cause for delay or anticipated delay promptly following its commencement and has done its commercially best efforts to perform as expeditiously as possible. If the delay or failure in performance lasts more than 30 days, the Purchaser shall have the right, without liability to the Supplier, to immediately terminate the Binding Order(s) in respect of such part of the Products which cannot be used as intended by the Purchaser as a consequence of the force majeure event.

12. Software

If the Product is delivered with embedded software or any additional software is purchased, the Purchaser (or end-user if the Purchaser is a distributor) shall obtain a non-exclusive, non-transferable, non-sublicensable, and revocable software license in the form of a right of use to the software solely for the purposes set out in the applicable specification of the Product. Unless explicitly set out in the applicable Binding Order, the Purchaser shall obtain (i) no rights in the form of patent, copyright, trademark or other proprietary right connected to the software, (ii) no rights to software source codes, (iii) no authorization to make any changes, additions, improvements, alterations, or modifications of any kind to the software, (iv) no right to copy, reproduce, modify, pass on to or in any other way communicate the software to a third party without prior permission from the Supplier.

The Purchaser shall be solely responsible for satisfying itself that the software supplied will function in combination with the Purchaser's other equipment, software or materials. The Supplier shall not be liable for, and the Purchaser shall indemnify and hold the Supplier harmless from, any and all claims, losses, costs and damages arising as a result of a configuration or change that is incorporated into the software at the Purchaser's request or a process use requested or controlled by the Purchaser. The Supplier does not guarantee that the software supplied will function uninterrupted.

If the Product is delivered with embedded software or if any additional software is purchased, such software shall be subject to further detailed license terms, End User License Agreement ("EULA"), which shall, for the avoidance of doubt, supersede any contradicting terms and conditions set out in these Conditions.

Unless otherwise agreed in writing, e.g., in the EULA, the software shall be provided on an automatically renewed yearly subscription, which shall be invoiced subject to clause 4 of these Conditions. Termination of such subscription shall be provided in writing end of month + 30 days.

13. Intellectual Property Rights ("IPR")
The Supplier shall have the sole and exclusive right to all registered or non-registered IPR of any kind (including, but not limited to, patents, copyright and related rights, moral rights, trademarks and service marks, business names and domain names, goodwill, rights in designs, rights in computer software, database rights, ideas, know-how, inventions, technical improvements of any type and trade secrets) in relation to the Product, including but not limited to drawings, calculations, designs, details of production, computer programs, data, prototypes, samples, models, moulds and other physical and/or electronic documents, information and materials.

In the event of infringement or violation of IPR of any kind arising from or based upon the Supplier's compliance with particular requirements of the Purchaser that differ from the Supplier's standard specifications for Products, the Purchaser shall indemnify and hold the Supplier harmless from any and all claims, losses, costs and damages arising as a result of such a deviation.

14. No waiver
Any waiver by either party of a breach of any provision of these Conditions shall not be regarded as a waiver of any subsequent breach or any other provision of these Conditions.

15. Severance
If any provision of these Conditions is held by any competent authority to be invalid or unenforceable in whole or in part, the validity of the other provisions of these Conditions and the reminder of the provision in question shall not be affected thereby.

16. Default of the Purchaser
If the Purchaser commits any breach of obligations towards the Supplier, the Supplier shall be entitled (without prejudice to any other rights of the Supplier) forthwith (i) to suspend further performance by the Supplier or (ii) to terminate the Binding Order(s) affected.

17. Venue and Jurisdiction
These Conditions shall be governed by the laws of Denmark, with exclusion of any choice of law rules. The applicability of the United Nations Convention on Contracts for the International Sale of Goods (CISG) is explicitly included for international sales. Any dispute or claim arising out of or in connection with these Conditions shall be referred to and resolved by arbitration, however, the Supplier may at its own discretion sue the Purchaser at any place of jurisdiction through ordinary court.

Arbitration shall be conducted in accordance with the rules of The Danish Institute of Arbitration in force at the time when such proceedings are commenced. The place of arbitration shall be in the capital in the state of the Supplier. English shall be the language used during any such proceedings unless otherwise agreed in writing between the Parties. In addition to the aforesaid, either party shall be entitled to seek injunctive relief by a competent court as may be necessary to restrain any breach or threatened breach of these Conditions by the other party.

AVK International A/S
Revision 1.3 - February 2023


5.0 t

AVK International A/S
Baltic representative office
Ozolu str. 28, K 1, Jaunmārupe
LV-2166 Marupe county

Tele: +371 25 62 1995
Tele: +371 25 76 2756
e-mail: avkbaltic@avkgroup.com
www.avkvalves.eu
www.avkvalves.lv

2023-05-01

Expect...