



AVK GATE VALVE, PE PIPE ENDS, PN10

36/90-170

SDR11 PE100/PE100-RC pipe ends, replaceable stem sealing, NBR, DN65-400

AVK gate valves are designed with built-in safety in every detail and with full traceability of vital valve components. The wedge is fully vulcanized with AVK's own oil and gas resistant NBR rubber compound. It features an outstanding durability due to the ability of the rubber to regain its original shape, the double bonding vulcanization process and the sturdy wedge design. The triple safety stem sealing system replaceable under pressure, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

Product description:

Gate valve with PE100/PE100-RC PN10 SDR11 pipes acc. to EN 1555-2. For gas -10°C to +20°C. Note: The maximum working temperature is set according to the ISO9080 lifetime requirements for PE pipes, and is therefore not the max. temperature for the valve.

Standards:

- Designed according to EN 13774

Test/Approvals:

- Hydraulic test to DIN 3230-5, PG 3 and EN 13774
- Seat: 1.1 X PN and 0.5 with air (in bar). Body: 1.5 X PN with water, 1.1 X PN and 0.5 with air (in bar)
- Approved according to DIN-DVGW Certificate NG-4313BO0281
- Approved according to DVGW EC Certificate CE-0085BO0317
- Approved according to KIWA Certificate 65139/05
- Approved according to ÖVGW Certificate G 2.711
- Approved according to SVGW Certificate No. 08-068-5

Features:

- Fixed, integral wedge nut prevents vibration and ensures durability
- Wedge fully vulcanized with NBR rubber and equipped with wedge shoes to provide smooth operation
- Wedge and body guide rails ensure stable operation
- Stainless steel stem with wedge stop and rolled threads for high strength
- Full circle thrust collar provides fixation of the stem and low free running torques
- Triple safety stem sealing with an NBR wiper ring and four NBR O-rings in a stem seal nut of dezincification resistant brass replaceable under pressure. A rubber manchette is the main seal to the flow
- Round NBR bonnet gasket fixed in a recess
- Countersunk and sealed stainless steel bonnet bolts encircled by the bonnet gasket
- Full bore / low operating torque
- Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901
- A standard PE pipe is pressed onto the grooved valve end, locked with a steel ring and sealed with a plastic shrink hose. The boltless, full bore PE end connection is fully tensile resistant and designed to meet all the criteria specified in DVGW G5600-1. The PE pipe end enables direct welding into PE pipes resulting in a fast and secure assembly.
Note: The maximum working temperature of 20°C is set according to the ISO9080 lifetime requirements for PE pipes. For higher working temperatures expect a reduction of the PE pipe's lifetime. Please refer to the local pipe manufacturer for further information.

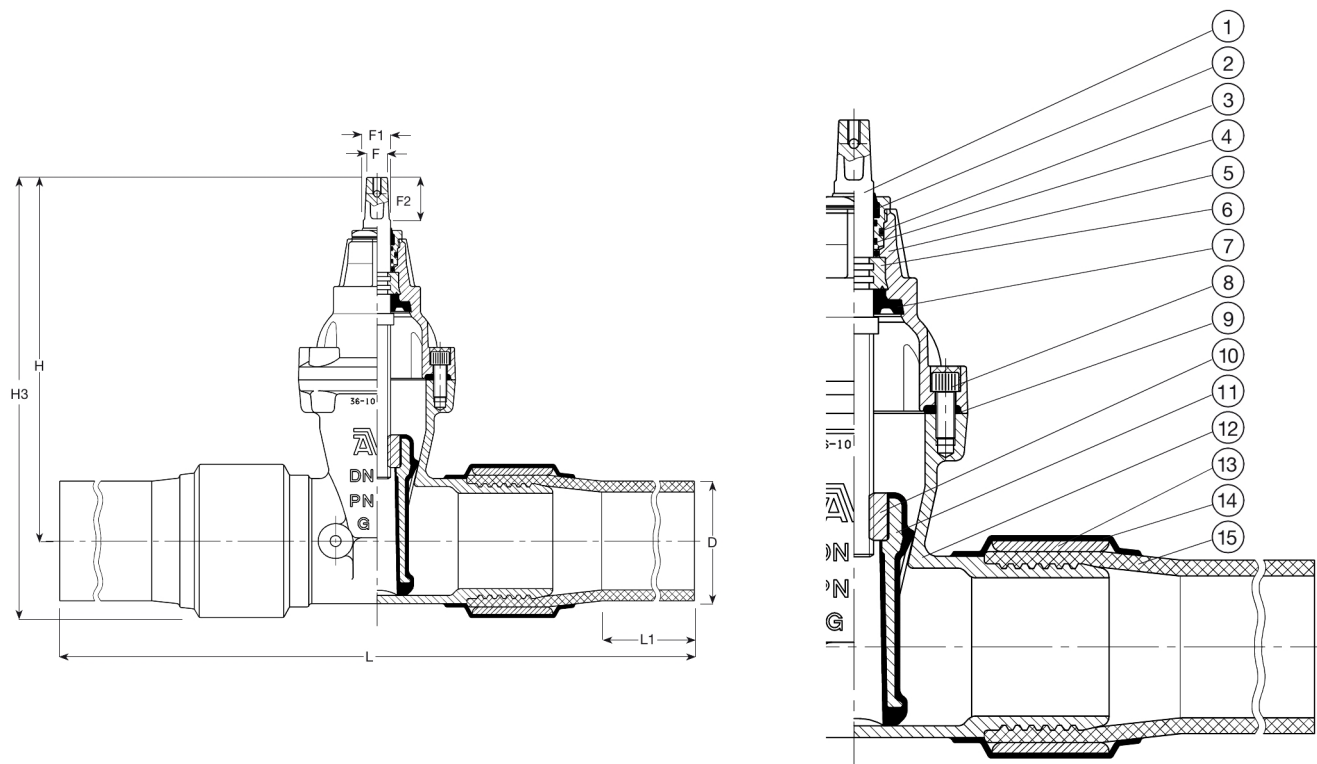
Accessories:

Stem cap, handwheel, extension spindle and street cover



Expect... **AVK**

The designs, materials and specifications shown are subject to change without notice. This is due to the continuous development of our product programme.

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1. Stem	Stainless steel 1.4104 (430F)	9. Bonnet gasket	NBR rubber
2. Wiper ring	NBR rubber	10. Wedge nut	Brass, DZR CW626N
3. Stem seal nut	Brass, DZR CW602N	11. Wedge	Ductile iron, NBR encapsulated
4. O-ring	NBR rubber	12. Body	Ductile iron GJS-500-7 (GGG-50)
5. Bonnet	Ductile iron GJS-500-7 (GGG-50)	13. Sleeve	Carbon steel
6. Thrust collar	Brass, DZR CW602N	14. Shrink hose	Plastic
7. Manchette	NBR rubber	15. Pipe	PE
8. Bonnet bolt	Stainless steel A2, sealed with hot melt		

Components may be substituted with equivalent or higher class materials without prior notification.

Reference nos. and dimensions:

AVK ref. no.	DN	D	H	H3	L (± tol)	L1	W	F	F1	F2	Theoretical weight/kg	GWP kg CO2 eq.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
36-075-90-703037	65	75	271	322	900 (20)	255	135	17	20	34	15	34
36-090-90-703037	80	90	297	351	900 (20)	317	173	17	20	34	20	46
36-110-90-703037	100	110	334	395	900 (20)	290	194	19	22	38	27	62
36-125-90-703037	125	125	376	447	900 (20)	272	222	19	22	38	39	89
36-160-90-703037	150	160	448	534	1100 (20)	358	274	19	22	38	52	119
36-180-90-703037	150	180	448	544	1100 (20)	346	274	19	22	38	58	132
36-200-90-703037	200	200	567	677	1100 (20)	309	334	24	27	42	88	201
36-225-90-703037	200	225	567	687	1100 (20)	298	334	24	27	42	91	207
36-250-90-703037	250	250	664	798	1350 (30)	362	372	27	31	47	118	269
36-280-90-703037	250	280	664	823	1328 (30)	365	372	27	31	47	126	287
36-315-90-703037	300	315	740	909	1382 (30)	265	448	27	31	47	140	319
36-355-90-703037	300	355	740	929	1490 (30)	355	448	27	31	47	270	616
36-400-90-703037	400	400	912	1125	1620 (30)	355	564	32	37	55	376	857

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Comments:

Global Warming Potential (GWP) for each valve is calculated as GWP per kilo valve multiplied by the theoretical weight of the valve. GWP per kilo valve has been calculated for the phases A1-A3 (cradle to gate) as declared in the Environmental Product Declaration (ref. no. S-P-12651) found under downloads for this valve in our product finder on www.avkvalves.eu. The EPD is in accordance with ISO 14025:2006 and EN 15804:2012+A2:2019/AC:2021 and based on Product Category Rules PCR 2019:14 Construction Products (UN CPC code: 412).

Note: For comparison of GWP values, please be aware that EPDs within the same product category but registered in different EPD programmes, or not compliant with EN 15804, may not be directly comparable. For further information about comparability, please refer to page two of the EPD.