



AVK GATE VALVE, PE PIPE ENDS, PN16

36/84-116

Black/blue SDR11 PE100 pipes, AISI316 stem, NBR, DN65-300

AVK gate valves are designed with built-in safety in every detail. 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, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability

Product description:

Gate valve with PE100 PN16 SDR11 pipes, NBR, with 1.4404/316L stem. For wastewater to max. 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 1074 part 1 & 2, Designed according to EN 1171

Test/Approvals:

- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar). Operation torque test

Features:

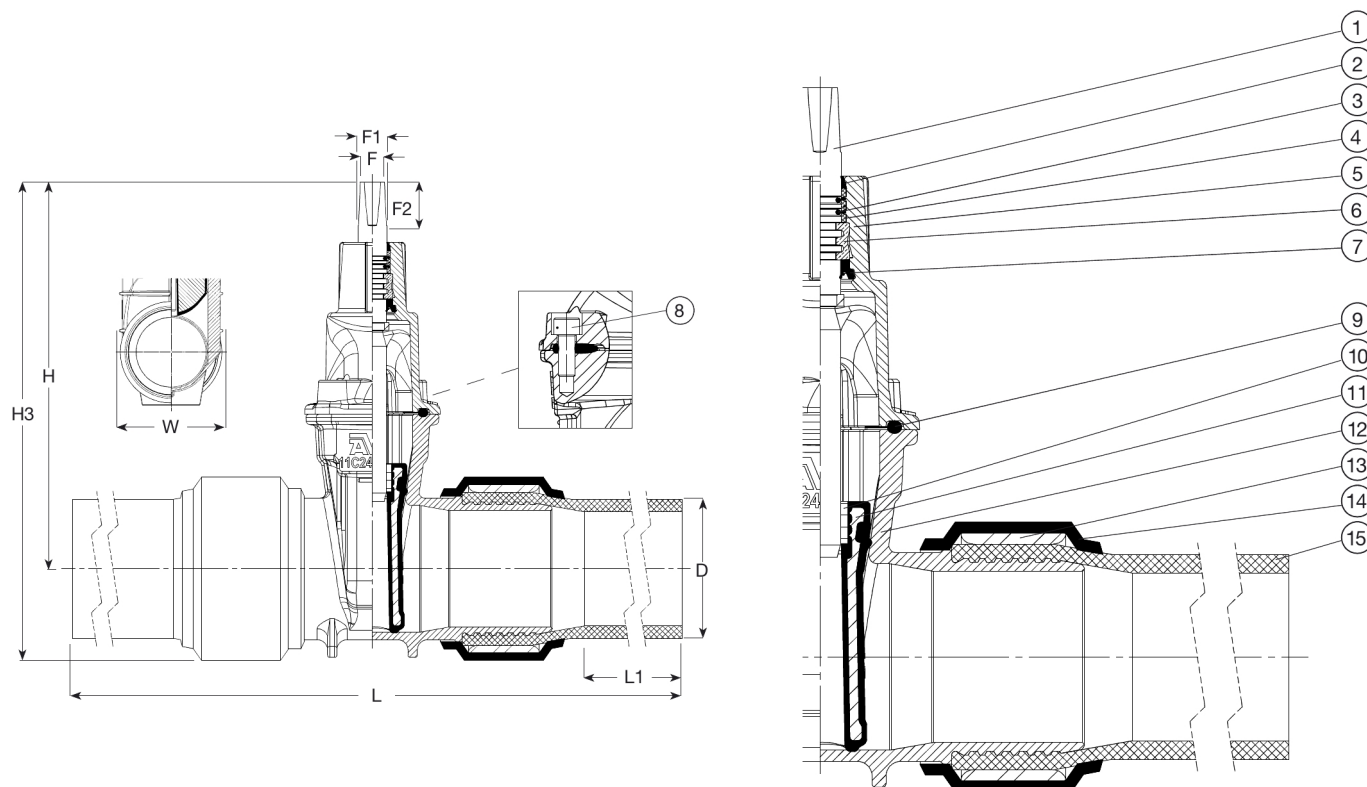
- Fixed integral wedge nut prevents vibration and ensures durability
- Wedge fully vulcanized with NBR rubber and equipped with wedge shoes to provide smooth operation
- Large conical stem hole in the wedge prevents stagnant water
- Wedge and body guide rails ensure stable operation
- Stem of acid resistant stainless steel AISI 316 with rolled threads providing 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, a polyamide bearing with four NBR O-rings and an EPDM rubber manchette
- 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, GSK approved
- 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: 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**

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1. Stem	Stainless Steel 1.4401 (316)	9. Bonnet gasket	NBR rubber
2. Wiper ring	NBR rubber	10. Wedge nut	Brass, DZR CW626N
3. O-ring	NBR rubber	11. Wedge	Ductile iron, NBR encapsulated
4. Bearing	Polyamide	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		
36-075-84-163	65	75	271	322	900 (20)	250	135	17	20	34	12	26
36-090-84-16306499	80	90	282	342	900 (20)	255	173	17	20	34	12	26
36-110-84-16306499	100	110	305	378	860 (20)	250	194	19	22	34	17	37
36-125-84-16306499	125	125	346	438	860 (20)	300	222	19	22	34	26	57
36-140-84-16306499	125	140	346	436	860 (20)	250	222	19	22	34	26	57
36-160-84-16306499	150	160	400	502	1030 (20)	325	274	19	22	34	36	79
36-200-84-16306499	200	200	490	615	1080 (20)	255	334	24	27	34	63	139
36-225-84-16306499	200	225	490	632	1080 (20)	265	334	24	27	34	72	158
36-250-84-163	250	250	664	810	1280 (30)	420	372	27	31	47	118	260
36-280-84-163	250	280	664	823	1360 (30)	365	372	27	31	47	126	277
36-315-84-163	300	315	740	924	1420 (30)	355	448	27	31	47	189	416

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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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-12650) 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.