



AVK GATE VALVE SOCKET ENDS, PN16

01/84-038

Non-tensile for uPVC pipes, 1.4404 stem, NBR rubber, DN40-400

AVK gate valves are designed with built-in safety in every detail. The wedge is fully vulcanized with AVK's own hydrocarbon 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:

Socket end gate valve for neutral liquids including treated waste water free of solids and fibrous impurities to max. 70°C - not for drinking water.

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:

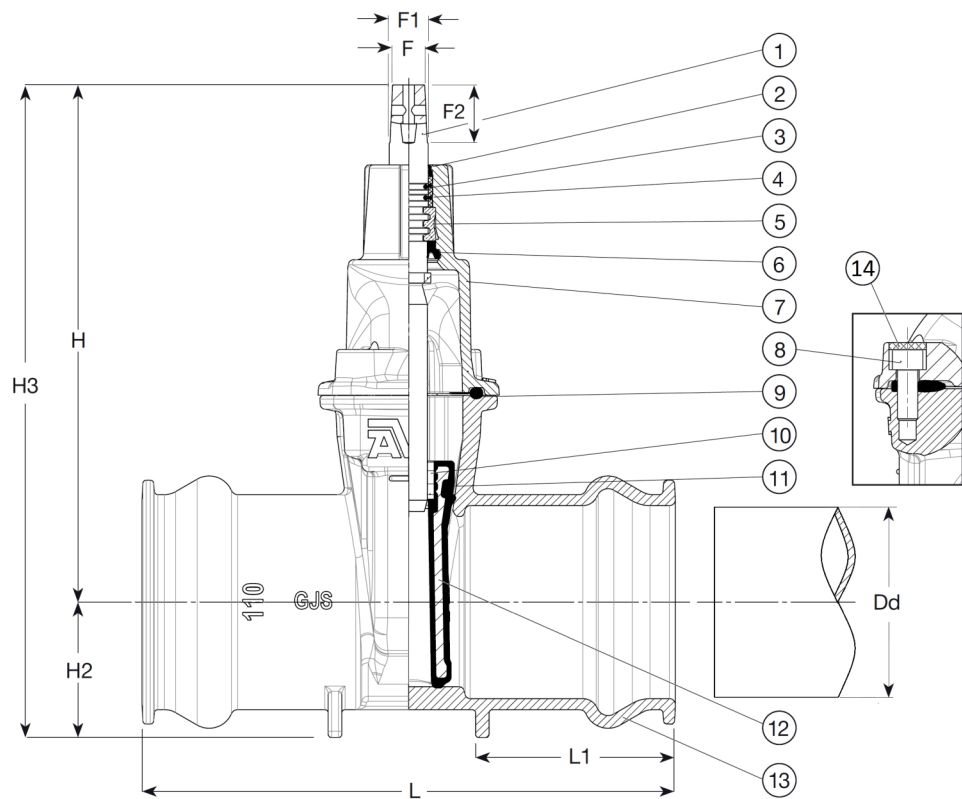
- Fixed, integral wedge nut prevents vibration and ensures durability
- Wedge fully vulcanized with hydrocarbon resistant NBR rubber
- Wedge shoes in PA and guide rails on the body make the wedge slide easily up and down, keeping operational torque low even with high differential pressure
- A large conical stemhole going all the way through the wedge ensures circulation and prevents stagnant water
- Stainless steel 1.4404 stem with rolled threads for high strength
- Full circle thrust collar keeps the stem firmly lined up and ensures low operating torque
- Triple safety stem seal with a wiper ring outermost to protect against contamination from outside, in the middle four O-rings around the radial bearing,, and innermost a lip seal as main seal to the system pressure
- Bonnet gasket with a circular cross-section and fixed in a recess to avoid blow-out
- Counterbored stainless steel A2 bonnet bolts, sealed with hot-melt and encircled by the bonnet gasket for optimum corrosion protection
- Full bore
- 250µm blue RAL 5017 fusion bonded epoxy coating

Accessories:

Stem cap, handwheel, extension spindle, street cover



Expect... **AVR**



Component list:

1. Stem	Stainless steel 1.4404	8. Bonnet bolt	Stainless steel A2
2. Wiper ring	NBR rubber	9. Bonnet gasket	NBR rubber
3. O-ring	NBR rubber	10. Wedge nut	Brass, DZR CW626N
4. Radial bearing	Polyamide	11. Wedge rubber	NBR rubber
5. Thrust collar	Brass, DZR CW602N	12. Wedge core	Ductile iron GJS-500-7
6. Stem seal	NBR rubber	13. Body	Ductile iron GJS-500-7
7. Bonnet	Ductile iron GJS-500-7	14. Seal	Hot melt glue

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

Reference nos. and dimensions:

AVK ref. no.	DN	Dd	L	L1	H	H2	H3	F	F1	F2	Theoretical weight/kg
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
01-050-84-0136499	40	50	270	103	194	44	238	14	17	29	7.0
01-063-84-0136499	50	63	286	103	241	52	293	14	17	29	8.0
01-075-84-0136499	65	75	298	108	271	58	329	17	20	34	9.0
01-090-84-0136499	80	90	304	112	282	68	350	17	20	34	12
01-110-84-0136499	100	110	315	118	305	80	385	19	22	38	15
01-125-84-0136499	125	125	338	115	352	90	442	19	22	38	19
01-160-84-0136499	150	160	368	130	403	110	510	19	22	38	29
01-200-84-0136499	200	200	417	138	495	130	625	24	28	42	47
01-225-84-0136499	200	225	426	138	490	140	630	24	28	42	50
01-250-84-013	250	250	474	161	664	157	821	27	31	47	80
01-280-84-013	250	280	504	166	664	174	838	27	31	47	95
01-315-84-013	300	315	548	172	740	193	933	27	31	47	123
01-400-84-013	400	400	596	185	950	240	1190	32	37	55	246