



AVK RESILIENT SEATED FLANGED GATE VALVE, PN 10/16, CTO

06/30

DIN F4

0045

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

Flanged gate valve for drinking water and neutral liquids to max. 70°C

Standards:

- Designed according to EN 1074 part 1 & 2, Designed according to EN 1171
- Face to face according to EN 558 Table 2 Basic Series 14
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16

Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN 12266.
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar). Operation torque test.
- Approved according to DIN-DVGW Certificate NW-6203BN0117
- Approved according to KIWA Certificate K 6320
- Approved according to ÖVGW Certificate W 1.417
- Approved according to SVGW Certificate No. 0301-4606

Features:

- Fixed, integral wedge nut prevents vibration and ensures durability
- Fully vulcanized wedge and guide rails fitted with wedge shoes prevent corrosion
- Large conical stem hole in the wedge prevents stagnant water
- 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, a polyamide bearing with four NBR O-rings, and an EPDM rubber manchette
- Round EPDM bonnet gasket fixed in a recess
- Countersunk and sealed stainless steel bonnet bolts encircled by the bonnet gasket
- Full bore
- Low operating torque
- Epoxy coating to DIN 30677-2, GSK approved

Accessories:

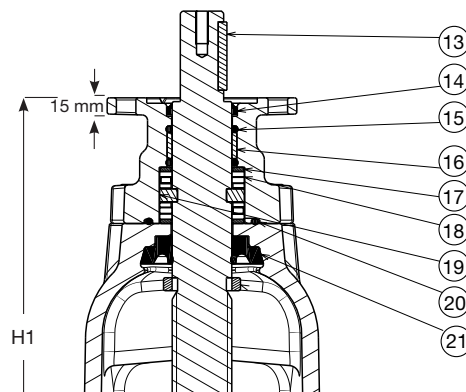
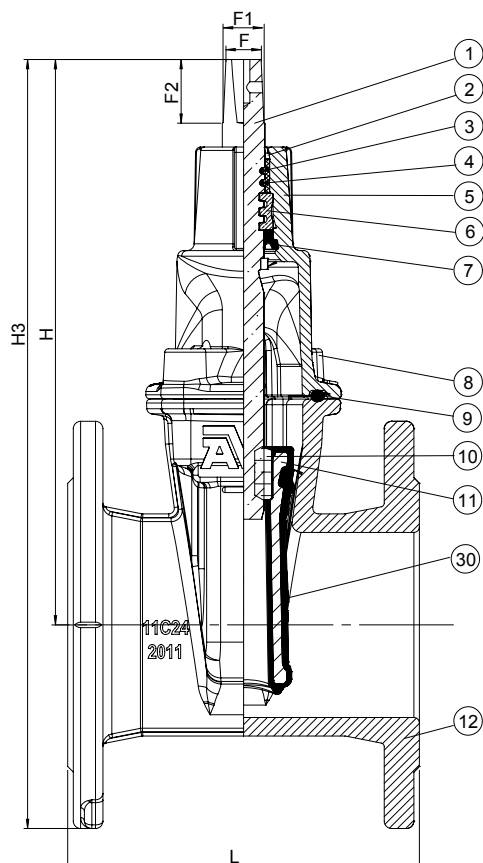
Stem cap, handwheel, extension spindle, street cover, flange adaptor and combi-flange



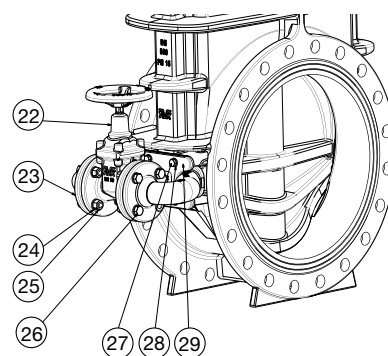
kiwa



Expect... **AVK**



DN 450-600



DN 500-600 w. by-pass

Component List:

1. Stem	Stainless steel min. 13% Cr	2. Wiper ring	NBR rubber
3. O-ring	NBR rubber	4. Bearing	Polyamide
5. Bonnet	Ductile iron, GJS-500 (GGG-50)	6. Thrust collar	Dezincification resistant brass
7. Manchette	EPDM rubber	8. Bonnet bolt	Stainless steel A2, sealed with hot melt
9. Bonnet gasket	EPDM rubber	10. Wedge nut	Dezincification resistant brass
11. Wedge	Ductile iron with EPDM rubber	12. Body	Ductile iron, GJS-500 (GGG-50)
13. Key	Stainless steel	14. Wiper ring	NBR rubber
15. O-ring	NBR rubber	16. Bearing	Polyamide
17. Thrust washer	Stainless steel AISI 430	18. Roller bearing	Stainless steel
19. Thrust collar	Stainless steel AISI 430	20. O-ring	NBR rubber
21. Manchette	EPDM rubber	22. Gate valve	Ductile iron, GJS-500 (GGG-50)
23. By-pass	Ductile iron, GJS-500 (GGG-50)	24. Washer	Stainless steel A2
25. Nut	Stainless steel A2	26. Hexagon bolt	Stainless steel A2
27. Hexagon bolt	Stainless steel A2	28. Washer	Stainless steel A2
29. Plate for by-pass	Ductile iron, GJS-500 (GGG-50)	30. Wedge shoe	Polyamide

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

Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Flange drilling	L mm	H mm	H3 mm	H1 to center bore mm	F mm	F1 mm	F2 mm	Theoretic. weight kg
06-040-30-116	40	PN10/16	140	241	316	-	14	17	29	10
06-050-30-116 ⁽¹⁾	50	PN10/16	150	271	324	-	14	17	29	11
06-065-30-114 ⁽¹⁾	65	PN10/16	170	271	364	-	17	20	34	14
06-080-30-1146499	80	PN10/16	180	297	382	-	17	20	34	14

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

AVK ref. nos	DN mm	Flange drilling	L mm	H mm	H3 mm	H1 to center bore mm	F mm	F1 mm	F2 mm	Theoretic. weight kg
06-100-30-1146499	100	PN10/16	190	305	415	-	19	22	38	17
06-125-30-1146499	125	PN10/16	200	376	471	-	19	22	38	22
06-150-30-1146499	150	PN10/16	210	448	543	-	19	22	38	31
06-200-30-104 ⁽¹⁾	200	PN10	230	562	732	-	24	28	42	65
06-200-30-1146499	200	PN16	230	562	660	-	24	28	42	48
06-250-30-106 ⁽¹⁾	250	PN10	250	664	864	-	27	31	47	102
06-250-30-116 ⁽¹⁾	250	PN16	250	664	864	-	27	31	47	102
06-300-30-104 ⁽¹⁾	300	PN10	270	740	968	-	27	31	47	110
06-300-30-116 ⁽¹⁾	300	PN16	270	740	968	-	27	31	47	110
06-350-30-106 ⁽²⁾	350	PN10	290	930	1190	-	32	37	55	220
06-350-30-116 ⁽²⁾	350	PN16	290	930	1190	-	32	37	55	220
06-400-30-106 ⁽²⁾	400	PN10	310	960	1241	-	32	36	55	240
06-400-30-116 ⁽²⁾	400	PN16	310	960	1241	-	32	36	55	240
06-450-30-106 ⁽³⁾	450	PN10	330	1170	1487	1087	30	-	84	487
06-450-30-116 ⁽³⁾	450	PN16	330	1170	1487	1087	30	-	75	487
06-500-30-106 ⁽³⁾	500	PN10	350	1140	1500	1062	30	-	75	559
06-500-30-1060011 ⁽⁴⁾	500	PN10	350	1140	1500	1062	30	-	75	559
06-500-30-116 ⁽³⁾	500	PN16	350	1140	1500	1062	30	-	75	559
06-500-30-1160011 ⁽⁴⁾	500	PN16	350	1140	1500	1062	30	-	75	559
06-600-30-106 ⁽³⁾	600	PN10	390	1290	1705	1205	30	-	75	762
06-600-30-1060011 ⁽⁴⁾	600	PN10	390	1290	1705	1205	30	-	75	762
06-600-30-116 ⁽³⁾	600	PN16	390	1290	1705	1205	30	-	75	762
06-600-30-1160011 ⁽⁴⁾	600	PN16	390	1290	1705	1205	30	-	75	762

⁽¹⁾ KIWA, SVGW and ÖVGW approved
⁽²⁾ SVGW approved
⁽³⁾ With F14 top flange
⁽⁴⁾ With F14 top flange and by-pass