

Flanged gate valve short DIN F4, for water and sewage to max. 70° C, designed according to DIN/EN, Face to face according to EN 558 table 2 basic series 14. Standard flange drilling to EN1092-2 (ISO 7005-2) Hydraulic test according to EN 1074-1 and 2 / EN 12266. Approved according to KIWA Certificate K 6320/06. Approved according to ÖVGW Certificate W 1.417. Approved according to SVGW Certificate No. 0301-4606.

Resilient seated gate valve to EN 1074-1 and 2 / EN 1171. Body and bonnet of GJS-500-7 (GGG-50). Wedge of ductile iron fully vulcanized with EPDM rubber and with fixed brass wedge nut. Stem of stainless steel min. 13% Cr with rolled thread and wedge stop ring. Stem sealing with 4 O-rings in a nylon bearing, an EPDM rubber manchette and a NBR wiper ring. EPDM bonnet gasket in a groove, countersunk bonnet bolts encircled by the bonnet gasket and sealed with hot melt. Epoxy coating to DIN 30677-2 and GSK approved - internally and externally.

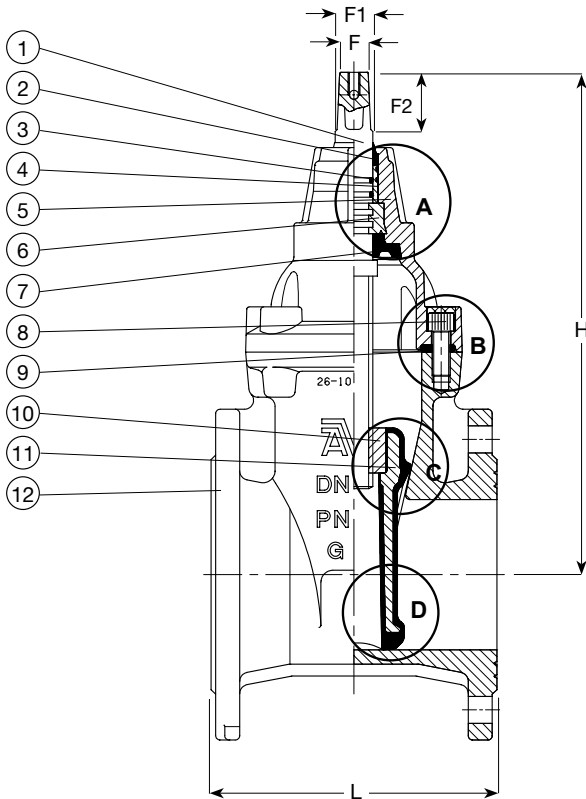
**Accessories:** Stem cap AVK series 04, handwheel AVK series 08, extension spindle AVK series 04, street covers AVK series 04 and AVK series 80, combi-flange AVK series 05, flange adaptors AVK series 603 and 623.



DN 40-300

DN 350-400

DN 450-600



### A. Stem sealing

Three independent stem seals offering triple safety:

- A NBR wiper ring protects against dirt from outside.
- A polyamid bearing with 4 NBR O-rings protects against galvanic corrosion.
- An EPDM rubber manchette sealing acts as the main hydraulic seal to the flow.

### B. Body/bonnet connection

The unique assembly of the valve body and bonnet ensures a durable tightness:

- A round rubber bonnet gasket fits into a recess in the valve bonnet preventing it from being blown out by pressure surges.
- The stainless steel bonnet bolts are countersunk in the valve bonnet, encircled by the bonnet gasket and sealed with hot melt. Thus there is no risk of corrosion as the bolts are not exposed to the medium or soil.

### C. Wedge nut

The fixed, integral wedge nut reduces the number of movable valve parts thus minimizing the risk of corrosion and malfunction. The wedge nut is made of dezincification resistant brass with lubricating abilities providing optimum compatibility with the stainless steel stem.

### D. Vulcanized wedge

The ductile iron core is fully vulcanized with drinking water approved EPDM rubber internally and externally. No iron parts are exposed to the medium and the excellent rubber vulcanization prevents creeping corrosion underneath the rubber. Guides in the wedge and on the valve body ensure a uniform closure regardless of high pressure. Safe operation is ensured, as the guides prevent overloading of the stem. The wedge has a large through bore and as there are no hollows in the core, stagnant water or impurities cannot collect and cause contamination.

## Component list

1. Stem	5. Bonnet	9. Bonnet gasket
2. NBR wiper ring	6. Thrust collar	10. Wedge nut
3. NBR O-ring	7. EPDM rubber manchette	11. Wedge
4. Plastic bearing	8. Bonnet bolt	12. Body

## Reference nos. and dimensions

AVK ref. nos.	DN mm	PN drilling	L mm	H mm	F mm	F1 mm	F2 mm	Theoretical weight kg
06-040-30-014	40	10/16	140	241	14	17	29	11
06-050-30-014	50	10/16	150	241	14	17	29	12
06-065-30-014	65	10/16	170	271	17	20	34	14
06-080-30-014	80	10/16	180	297	17	20	34	18
06-100-30-014	100	10/16	190	334	19	22	38	23
06-125-30-014	125	10/16	200	376	19	22	38	31
06-150-30-014	150	10/16	210	448	19	22	38	37
06-200-30-004	200	10	230	562	24	28	42	65
06-200-30-014	200	16	230	562	24	28	42	65
06-250-30-004	250	10	250	664	27	31	47	102
06-250-30-014	250	16	250	664	27	31	47	102
06-300-30-004	300	10	270	740	27	31	47	149
06-300-30-014	300	16	270	740	27	31	47	149
06-350-30-006	350	10	290	930	32	37	55	220
06-350-30-016	350	16	290	930	32	37	55	220
06-400-30-006	400	10	310	960	32	37	55	240
06-400-30-016	400	16	310	960	32	37	55	240
06-450-30-006 #)	450	10	330	1170	30	30	84	487
06-450-30-016 #)	450	16	330	1170	30	30	84	487
06-500-30-006 #)	500	10	350	1140	30	30	84	519
06-500-30-0060011 ##)	500	10	350	1140	30	30	84	559
06-500-30-016 #)	500	16	350	1140	30	30	84	519
06-500-30-0160011 ##)	500	16	350	1140	30	30	84	559
06-600-30-006 #)	600	10	390	1290	30	30	84	722
06-600-30-0060011 ##)	600	10	390	1290	30	30	84	762
06-600-30-016 #)	600	16	390	1290	30	30	84	722
06-600-30-0160011 ##)	600	16	390	1290	30	30	84	762

# With F14 top flange  
## With F14 top flange and by-pass