

## AVK FLANGED GATE VALVE, PN 10/16

DIN F4, AISI 316 stem, RG5 wedge nut, CTC



AVK gate valves are designed with built-in safety in every detail. The wedge is fully vulcanized with AVK's own 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 safety stem sealing system, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

### Product Description:

Flanged gate valve for seawater applications to max. 35° C

### Standards:

- Designed according to EN 1074 part 1 & 2, Designed according to EN 1171
- 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.

### Features:

- Fixed, integral wedge nut of RG5 bronze prevents vibration and ensures durability
- Fully vulcanized wedge with guide rails and a large conical stem hole
- Stem of acid-resistant stainless steel 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 and GSK approved.

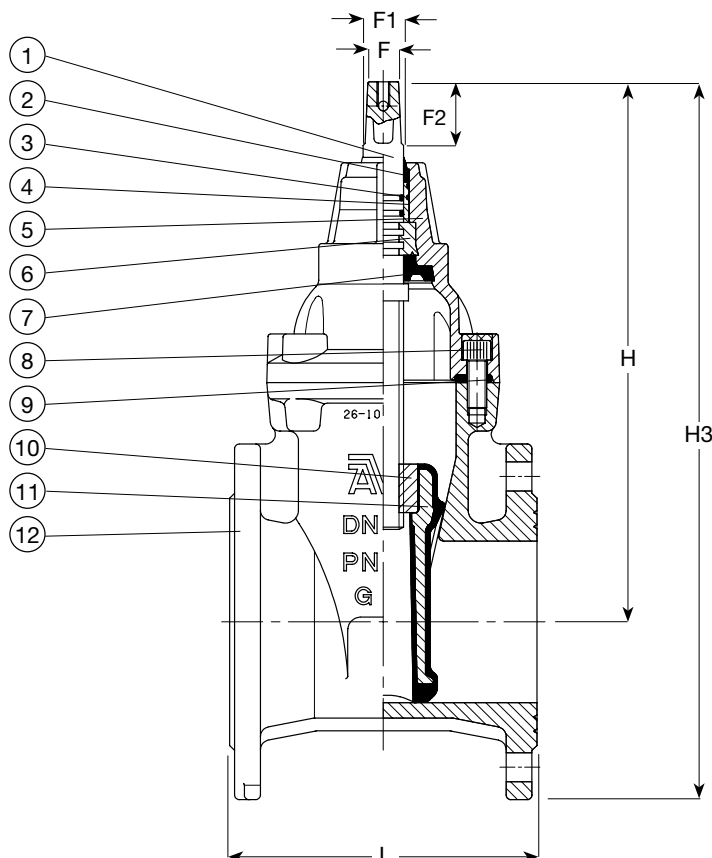
### Accessories:

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



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## Component List:

1. Stem	Acid-resistant stainless steel AISI 316	2. Wiper ring	NBR rubber
3. O-ring	NBR rubber	4. Bearing	Polyamide
5. Bonnet	Ductile iron, min. GJS-400-15 (GGG-40)	6. Thrust collar	Dezincification resistant brass
7. Manchette	EPDM rubber	8. Bonnet bolt	Stainless steel A4, sealed with hot melt
9. Bonnet gasket	EPDM rubber	10. Wedge nut	RG5 bronze
11. Wedge	Ductile iron with EPDM rubber	12. Body	Ductile iron, min. GJS-400-15 (GGG-40)

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	F mm	F1 mm	F2 mm	Theoretical weight kg
06-040-44-01442	40	PN10/16	140	241	316	14	17	29	10
06-050-44-01442	50	PN10/16	150	241	324	14	17	29	11
06-065-44-01442	65	PN10/16	170	271	364	17	20	34	14
06-080-44-01442	80	PN10/16	180	297	397	17	20	34	18
06-100-44-01442	100	PN10/16	190	334	444	19	22	38	23
06-125-44-01442	125	PN10/16	200	376	501	19	22	38	31
06-150-44-01442	150	PN10/16	210	448	591	19	22	38	46
06-200-44-00442	200	PN10	230	562	732	24	28	42	65
06-200-44-01442	200	PN16	230	562	732	24	28	42	65
06-250-44-00442	250	PN10	250	664	864	27	31	47	102
06-250-44-01442	250	PN16	250	664	864	27	31	47	102
06-300-44-00442	300	PN10	270	740	968	27	31	47	110
06-300-44-01442	300	PN16	270	740	968	27	31	47	110
06-350-44-00442	350	PN10	290	930	1190	32	37	55	220
06-350-44-01442	350	PN16	290	930	1190	32	37	55	220
06-400-44-00442	400	PN10	310	960	1241	32	37	55	240
06-400-44-01442	400	PN16	310	960	1241	32	37	55	240

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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