



## AVK FLANGED GATE VALVE, EN 1074, PN16 EN558-3 (BS), SS 1.4057 stem, DN 700-1000

55/67-004

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 stem seal 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
- Face-to-face dimension according to EN 558 Table 2 Basic Series 3
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 16

### 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 increases durability
- Polyamide wedge shoes protect the wedge rubber during opening and closing
- Stainless steel stem with wedge stop
- A large conical stem hole in the wedge prevents stagnant water
- Three independent stem seals: an NBR wiper ring protects against dust from outside, two NBR O-rings protect the radial bearing and innermost two EPDM O-rings act as the main seal to the flow
- Axial thrust bearing with PTFE coated stainless steel washers provides low operating torques
- Removable gland flange for replacement of thrust- and radial bearings and seals under pressure
- Round bonnet gasket fixed in a recess to prevent blow-out
- Counterbored stainless steel bonnet bolts encircled by the bonnet gasket and sealed with hotmelt glue
- ISO actuator flange; electric actuator or gearbox is recommended
- Integrated lifting eyes for easy handling
- 3/4" connection plug for installation of air valve
- Epoxy coating to DIN 30677-2, GSK approved
- All rubber parts with multiple drinking water approvals (DVGW, WRAS)
- For installation with horizontal or vertical stem
- Detachable covers at the bottom for flushing of wedge rail
- Bosses for by-pass valve

### Accessories:

By-pass, gearbox and electric actuator

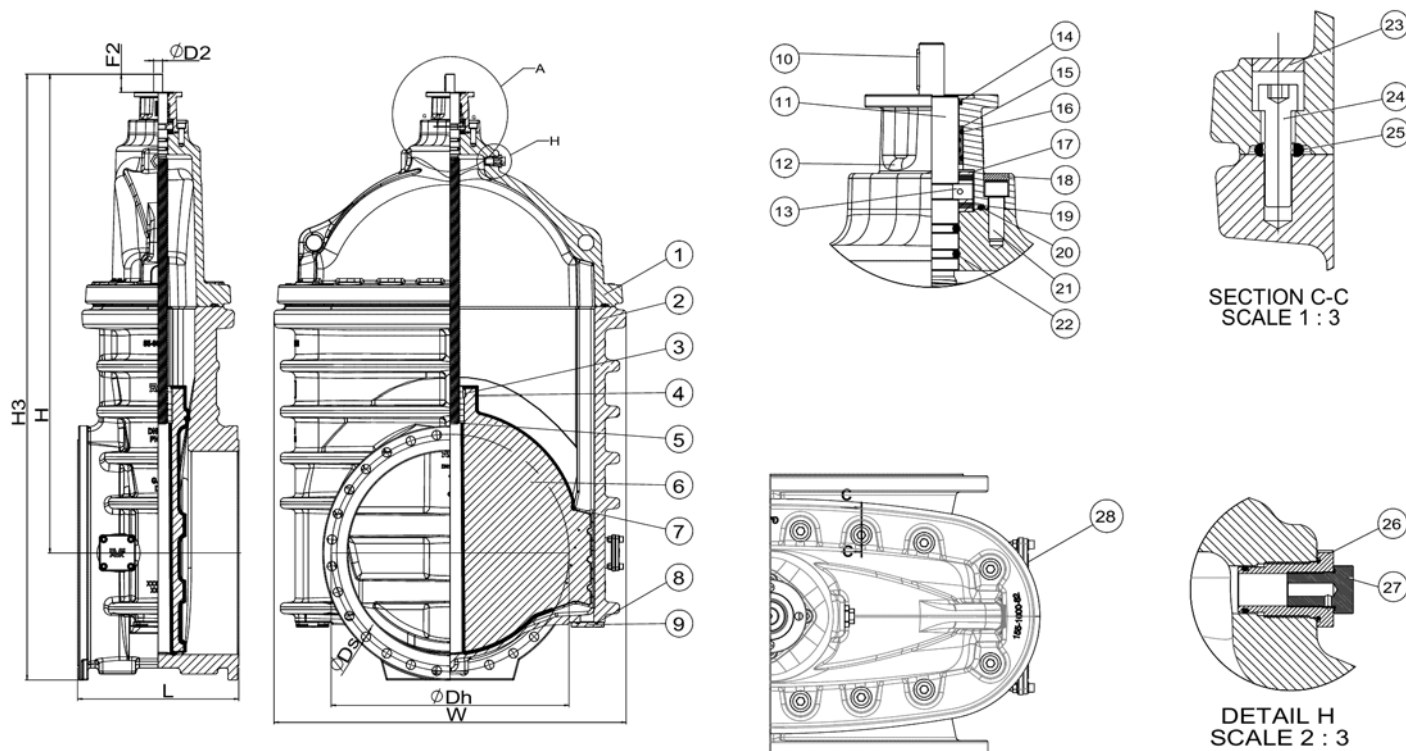


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## Component list:

1. Bonnet	Ductile iron GJS-500-7 (GGG-50)	15. Radial bearing	Polyamide
2. Body	Ductile iron GJS-500-7 (GGG-50)	16. O-ring	NBR rubber
3. Grooved pin	Stainless steel	17. Thrust washer	Stainless steel 1.4057
4. Wedge rubber	EPDM rubber	18. Seal	Hot melt glue
5. Wedge nut	Brass, DZR CW724R, low lead	19. Thrust bearing	Stainless steel / PTFE coated
6. Wedge	Ductile iron GJS-500-7 (GGG-50)	20. O-ring	NBR rubber
7. Wedge shoe	PA 6.6	21. Bolt	Stainless steel A2
8. O-ring	EPDM rubber	22. O-ring	EPDM rubber
9. Cover plate	Ductile iron GJS-500-7 (GGG-50)	23. Seal	Hot melt glue
10. Key	Stainless steel	24. Bonnet bolt	Stainless steel A2
11. Stem	Stainless steel 1.4057	25. Bonnet gasket	EPDM rubber
12. Gland flange	Ductile iron GJS-500-7 (GGG-50)	26. Plug for airvalve	Stainless steel 1.4404
13. Thrust collar	Alu-bronze CW307G	27. Blind plug	Stainless steel 1.4462, duplex
14. Wiper ring	NBR rubber	28. Blind plate	Ductile iron GJS-500-7 (GGG-50)

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

## Reference nos. and dimensions:

AVK ref. no.	DN	Flange	L	W	H	H3	F2	D2	Dh	Ds	Number	ISO	Theoretical
	mm	drilling	mm	mm	mm	mm	mm	mm	mm	mm	of bolts	Flange	weight / kg
55-1000-67-014464	1000	PN16	813	1555	2067	2695	81	40	1170	44	28	F16	3412
55-900-67-0146400001	900	PN16	711	1555	2117	2680	81	40	1050	41	28	F16	3342
55-800-67-0146400001	800	PN16	660	1256	1673	2203	81	40	950	41	24	F16	1780
55-700-67-0146400001	700	PN16	610	1256	1673	2195	79	40	840	37	24	F16	1719

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