



AVK GATE VALVE, FLANGED, PN10/16

EN 558-2 S.14/DIN F4, ISO top flange, EPDM, DN40-400

15/42-0035

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 EN 558-2 S.14/DIN F4 prepared for actuator. 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 dimension according to EN 558 Table 2 Basic Series 14
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN10/16

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 ACS-France
- Approved for drinking water

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
- Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901
- ISO top flange with bolts of stainless steel

Accessories:

Electric actuator, flange adaptor and combi-flange

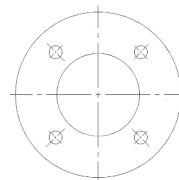
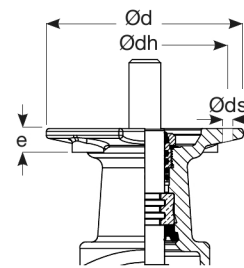
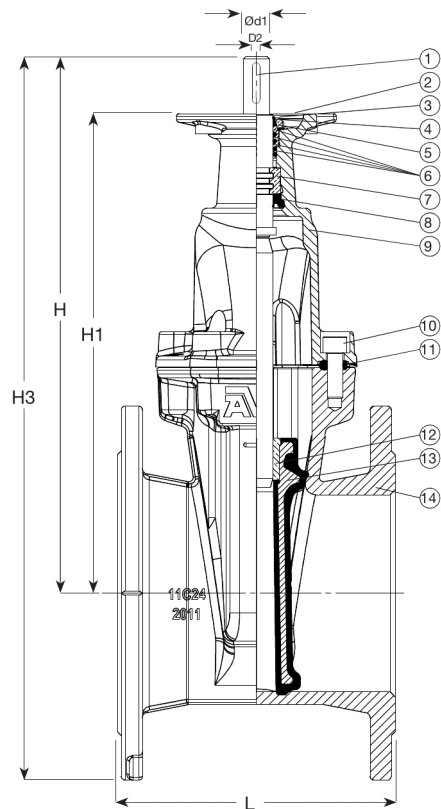


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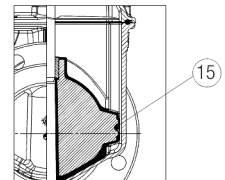
The designs, materials and specifications shown are subject to change without notice. This is due to the continuous development of our product programme.

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Drilling A
Holes for bolts to
ISO 5210
(attachment to
actuator)



Øds: DN 40-200: 12 mm ≥DN 250: 18 mm	Ødh: DN 40-200: 102 mm ≥DN 250: 140 mm
Ød: DN 40-200: 125 mm DN 250-300: 175 mm ≥DN 350: 220 mm	e: DN 40: 14 mm DN 50-65: 11 mm DN 80-200: 15 mm DN 250-300: 13 mm ≥DN 350: 28 mm

Component list:

1. Stem	Stainless steel 1.4104 (430F)	9. Bonnet	Ductile iron GJS-500-7 (GGG-50)
2. Mounting flange	Ductile iron GJS-500-7 (GGG-50)	10. Bonnet bolt	Stainless steel A2, sealed with hot melt
3. Stem seal nut	Brass, DZR CW602N	11. Bonnet gasket	EPDM rubber
4. Wiper ring	NBR rubber	12. Wedge nut	Brass CW724R Si-alloy
5. Seal	NBR rubber	13. Wedge	Ductile iron, EPDM encapsulated
6. O-ring	NBR rubber	14. Body	Ductile iron GJS-500-7 (GGG-50)
7. Thrust collar ⁽¹⁾	Brass, DZR CW602N	15. Wedge shoe	Polyamide
8. Manchette	EPDM rubber		

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

1) DN80-200: Silicon-brass, DZR CW724R

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Reference nos. and dimensions:

AVK ref. no.	DN mm	Flange drilling	L mm	H mm	H1 mm	H3 mm	Ød1 mm	D2 mm	Torque Nm	Turns to open	Actuator Flange	Theoretical weight/kg
15-040-40-016	40	PN10/16	140	241	202	316	20	M6	40	11	F10	13
15-050-40-016	50	PN10/16	150	241	202	324	20	M6	40	11	F10	14
15-065-42-016	65	PN10/16	170	278	227	371	20	M6	60	14	F10	17
15-080-42-01464099	80	PN10/16	180	284	247	384	20	M6	35	17	F10	15
15-100-42-01464099	100	PN10/16	190	311	270	421	20	M6	35	21	F10	18
15-125-42-01464099	125	PN10/16	200	352	311	477	20	M6	40	26	F10	22
15-150-42-01464099	150	PN10/16	210	408	365	550	20	M6	40	26	F10	31
15-200-42-00464099	200	PN10	230	507	456	677	20	M6	80	33	F10	49
15-200-42-01464099	200	PN16	230	507	456	677	20	M6	80	33	F10	49
15-250-42-006	250	PN10	250	617	555	817	30	M8	180	37	F14	113
15-250-42-016	250	PN16	250	617	555	817	30	M8	180	37	F14	113
15-300-42-006	300	PN10	270	691	630	919	30	M8	200	44	F14	160
15-300-42-016	300	PN16	270	691	630	919	30	M8	200	44	F14	160
15-350-40-006	350	PN10	290	907	800	1167	30	M8	300	59	F14	223
15-350-40-016	350	PN16	290	907	800	1167	30	M8	300	59	F14	223
15-400-40-006	400	PN10	310	951	860	1241	30	M8	300	59	F14	243
15-400-40-016	400	PN16	310	951	860	1241	30	M8	300	59	F14	243