



AVK FLANGED GATE VALVE FOR ACTUATOR, PN 10/16

15/42

DIN F4, with ISO top flange, EPDM wedge, CTC

003

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 safety stem sealing system, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

Product Description:

Flanged gate valve 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 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 for drinking water

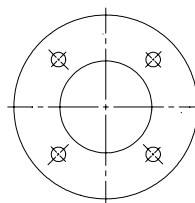
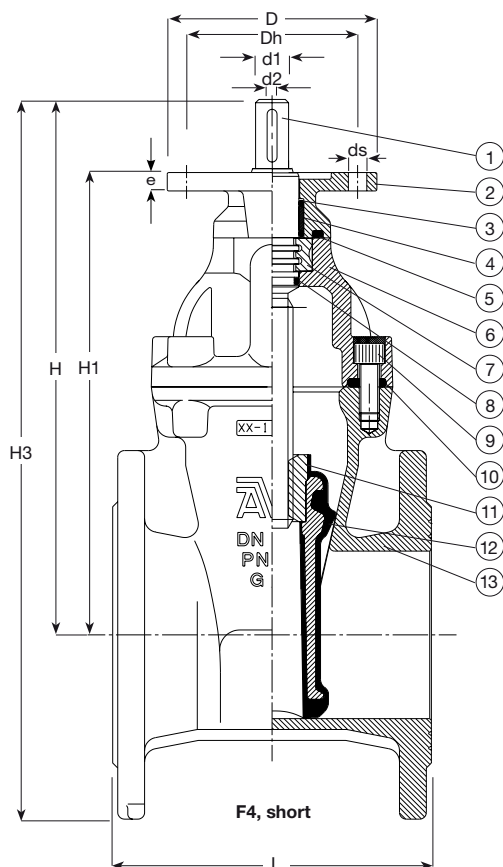
Features:

- Fixed, integral wedge nut prevents vibration and ensures durability
- Fully vulcanized wedge with guide rails, integrated wedge shoes and a large conical stem hole
- Stainless steel stem with wedge stop and rolled threads for high strength
- Replaceable stem sealing with a main O-ring seal and a nylon bearing with 2 O-rings
- Round 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 AVK guidelines
- ISO top flange with bolts of stainless steel

Accessories:

Electric actuator, flange adaptor and combi-flange





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

DS: DN 40-200:	12 mm	Dh: DN 40-200:	102 mm
>DN 250:	18 mm	>DN 250:	140 mm
D: DN 40-200:	125 mm	e: DN 40-150:	11 mm
DN 250-300:	205 mm	DN 200-300:	13 mm
>DN 350:	220 mm	DN 400:	15 mm

Component List:

1. Stem	Stainless steel min. 13% Cr	2. Mounting flange	Ductile iron, GJS-500 (GGG-50)
3. O-ring	NBR rubber	4. Bearing	Polyamide
5. O-ring	NBR rubber	6. Bonnet	Ductile iron, GJS-500 (GGG-50)
7. Thrust collar	Dezincification resistant brass	8. O-ring	EPDM rubber
9. Bonnet bolt	Stainless steel A2, sealed with hot melt	10. Bonnet gasket	EPDM rubber
11. Wedge nut	Dezincification resistant brass	12. Wedge	Ductile iron with EPDM rubber
13. Body	Ductile iron, GJS-500 (GGG-50)		

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	H1 mm	H3 mm	d1 mm	d2 mm	Turns to open	Torque Nm	ISO flange	Theoretical weight kg
15-040-40-016	40	PN10/16	140	241	202	277	20	6	11	40	F10	13
15-050-40-016	50	PN10/16	150	241	202	324	20	6	11	40	F10	14
15-065-42-016	65	PN10/16	170	278	227	371	20	6	14	60	F10	17
15-080-42-016	80	PN10/16	180	298	247	398	20	6	17	60	F10	21
15-100-42-016	100	PN10/16	190	327	276	437	20	6	21	80	F10	26
15-125-40-016	125	PN10/16	200	376	325	501	20	6	26	80	F10	34
15-150-42-016	150	PN10/16	210	427	376	570	20	6	26	80	F10	49
15-200-42-006	200	PN10	230	523	472	693	20	6	35	100	F10	68
15-200-42-016	200	PN16	230	523	472	693	20	6	35	100	F10	68
15-250-42-006	250	PN10	250	617	555	817	30	8	37	180	F14	113
15-250-42-016	250	PN16	250	617	555	817	30	8	37	180	F14	113
15-300-42-006	300	PN10	270	691	630	919	30	8	44	200	F14	160
15-300-42-016	300	PN16	270	691	630	919	30	8	44	200	F14	160
15-350-40-006	350	PN10	290	907	800	1221	30	8	59	300	F14	223
15-350-40-016	350	PN16	290	907	800	1221	30	8	59	300	F14	223
15-400-40-006	400	PN10	310	951	860	1239	30	8	59	300	F14	243
15-400-40-016	400	PN16	310	951	860	1239	30	8	59	300	F14	243