

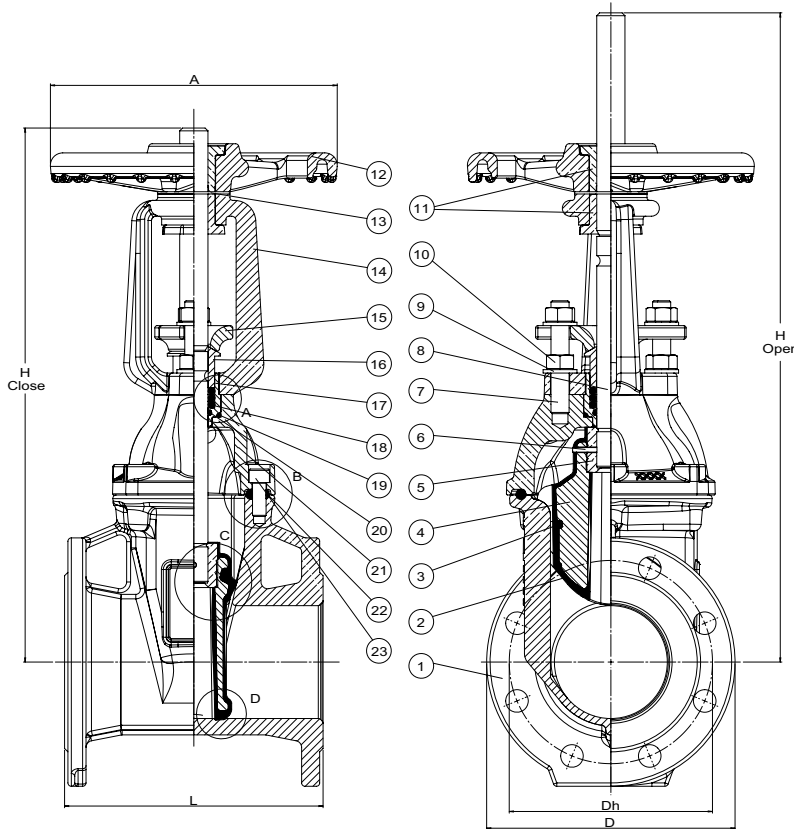
Flanged gate valve, designed according to EN1074 part 1 & 2, Face to face according to EN 558 table 2 basic series 3.
Standard flange drilling to EN1092-2 (ISO 7005-2)

Use: For water, sewage and neutral liquids to max. 70°C
Hydraulic tests: According to EN 1074-2
 Seat: 1.1 x PN Body: 1.5 x PN
 Closing torque test
Applicable Standards: To EN 1074 Part 1 & 2 : 2000
 Flange drilling to EN 1092-2: PN 10 or PN 16

Materials:

Body, bonnet	Ductile Iron EN 1563 EN-GJS-500/7
Wedge, yoke	Ductile Iron EN 1563 EN-GJS-500/7
Handwheel, gland follower	Ductile Iron EN 1563 EN-GJS-500/7
Wedge Nut	Dezn. res. brass EN 12165: CW602N (CZ132)
Stem	Stainless Steel EN 10088 No 1.4021/A276-420
Stem nut	ASTM Copper alloy no. C35330
Anti friction washer	ASTM Copper alloy no. C83600
Bushing, gland	AKZO pa 6.6 Akulon S 223-EH Black
Stem seal	SBR
O-rings	NBR
Gasket	EPDM/EUW
Pin	Stainless Steel A2
Nuts, bolts, washers	FZV
Coating	Internal and external blue fusion bonded epoxy(250 microns)WRAS





A. Stem sealing

Stem seal with 3 SBR O-rings and 2 NBR O-rings in a nylon gland bushing.

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 body preventing it from being blown out by pressure surges.

C. Wedge nut

The wedge nut is made of dezincification resistant brass with lubricating abilities providing optimum compatibility with the stainless steel stem. The wedge nut is secured by means of stainless steel pin to the rising 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. Body	13. Anti friction washer
2. Wedge rubber	14. Yoke
3. Slide guide	15. Gland follower
4. Wedge body	16. Gland
5. Wedge nut	17. Bushing
6. Pin	18. Stem seal
7. Stud bolt	19. O-ring
8. Stem	20. O-ring
9. Washer	21. Bonnet
10. Nut	22. Bonnet gasket
11. Stem nut	23. Insex bolt
12. Handwheel	

Reference nos. and dimensions

AVK ref. nos.	DN mm	PN drilling	L mm	Ho mm	Hc mm	A mm	D mm	Dh mm	Turns to open	Theoretical weight kg
21-050-46-014	50	10/16	178	419	368	180	165	125	13	19
21-065-46-014	65	10/16	190	453	385	180	185	145	17	23
21-080-46-014	80	10/16	203	480	440	180	200	160	20	25
21-100-46-014	100	10/16	229	575	475	254	220	180	20	39
21-125-46-014	125	10/16	254	655	530	254	250	210	25	45
21-150-46-014	150	10/16	267	783	633	305	285	240	30	63
21-200-46-004	200	10	292	990	791	356	340	295	33	97
21-200-46-014	200	16	292	990	791	356	340	295	33	97
21-250-46-004	250	10	330	1188	937	432	400	350	42	157
21-250-46-014	250	16	330	1188	937	432	400	355	42	157
21-300-46-004	300	10	356	1367	1067	432	455	400	43	238
21-300-46-014	300	16	356	1367	1067	432	455	410	43	238
21-350-46-004	350	10	381	1789	1403	640	533	460	55	320
21-350-46-014	350	16	381	1789	1403	640	533	470	55	320
21-400-46-004	400	10	406	1789	1403	640	580	515	55	360
21-400-46-014	400	16	406	1789	1403	640	580	525	55	360