

## Features

Flanged gate valve, for water and sewage to max. 70°C, designed according to EN 1074 part 1 & 2. Face to face according to EN 558 table 2 basic series 3. Standard flange drilling to EN 1092-2 (ISO 7005-2) Hydraulic test according to EN 1074-1 and 2 / EN 12266. Resilient seated gate valve to EN 1074-1 and 2 / EN 1171.

Body and bonnet of GJS-500-7 (GGG-50). Wedge of ductile iron fully vulcanized with EPDM rubber and with fixed brass wedge nut.

Stem of stainless steel min. 13% Cr with rolled thread and wedge stop ring. Stem sealing with 4 O-rings in a nylon bearing, an EPDM rubber manchette and a NBR wiper ring. NF approved EPDM bonnet gasket in a groove, countersunk bonnet bolts encircled by the bonnet gasket and sealed with hot melt.

Epoxy coating to DIN 30677-2 and GSK approved internally and externally.

### • Stem sealing.

- Three independent stem seals offering triple safety.
- A NBR wiper ring protects against dirt from outside.
- A polyamide bearing with 4 NBR O-rings protects against galvanic corrosion.

### • 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 bonnet preventing it from being blown out by pressure surges.
- The 8.8 galvanized bonnet bolts are countersunk in the valve bonnet, encircled by the bonnet gasket and sealed with hot melt. Thus there is no risk of corrosion as the bolts are not exposed to the medium or soil.

### • Wedge nut.

The fixed wedge nut reduces the number of movable valve parts thus minimizing the risk of corrosion, malfunction. The wedge nut is made of dezincification resistant brass with lubricating abilities providing compatibility with the stainless steel stem.



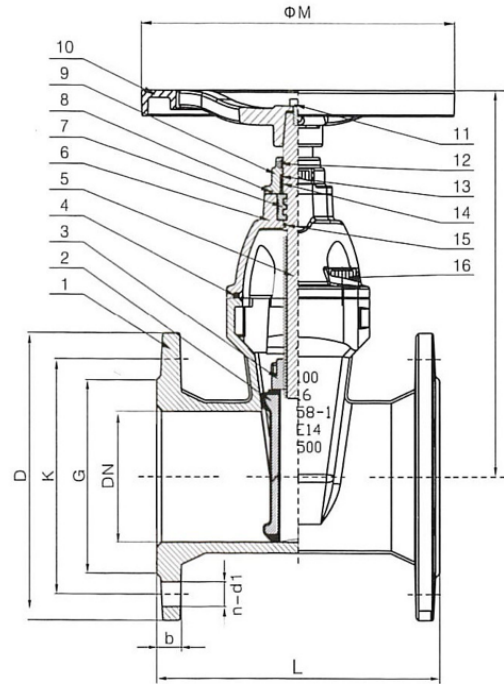
### • Vulcanized wedge.

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.

### • Operation.

Valves could be operated by hand wheel/head cap/worm gear/electric actuator etc. According to the customer's requirements.



DIN3352 FLANGE F4 DN 40 - DN 300 PN 16.

### Specification

- **Size:** Dn 40 to DN 1000
- **Class:** PN 10, PN 16
- **Design:** EN 1171, EN 1074-2
- **Face to face:** EN 558-1
- **End Flange:** EN 102-2
- **Test:** EN 12266

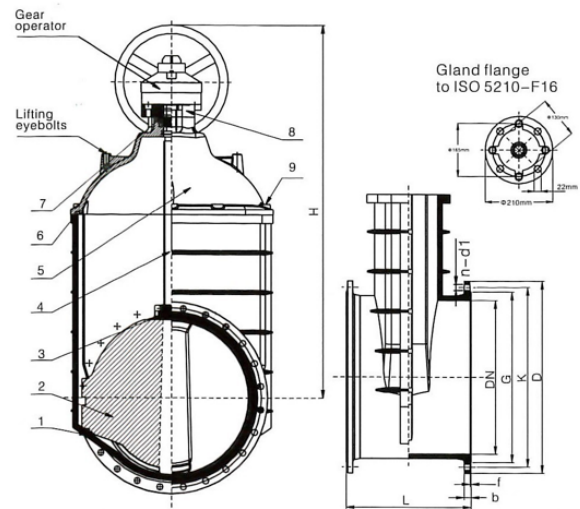
### Materials

ITEM	PART NAME	MATERIAL
1	Body	Ductile Iron
2	Disc.	EPDM
3	Stem Nut	CZ132
4	Bonnet Gasket	NBR
5	Stem	Stainless Steel SS431
6	Bonnet	Ductile Iron
7	Holding Ring	CZ132
8	O Ring	NBR

ITEM	PART NAME	MATERIAL
9	Gland	Ductile Iron
10	Handwheel	Ductile Iron
11	Bonnet Bolts	Stainless Steel SS316
12	Dust Ring	NBR
13	O Ring	NBR
14	Separated sets of Nylon	Nylon 66
15	U Ring	NBR
16	Screw	Stainless Steel SS304

### Dimensions (mm)

DN	LENGHT mm					END FLANGE PN 10/16 - CL 125/150 mm								
	BS 5163	DIN F4	DIN F5	ASME B1,10	AS 2638	EN1092-2			ASME B16.1 / B16.42			AS4087		
						L	D	K	n-d	D	K	n-d	D	K
40	165	140	240	-	-	150	110	4-Ø19	127	98,5	4-Ø16	-	-	-
50	178	150	250	178	-	165	125	4-Ø19	152	120,5	4-Ø19	-	-	-
65	190	170	270	190	-	185	145	4-Ø19	178	139,5	4-Ø19	-	-	-
80	203	180	280	203	203	200	160	8-Ø19	191	152,5	4-Ø19	185	146	4-Ø18
100	229	190	300	229	229	220	180	8-Ø19	229	190,5	8-Ø19	215	178	4-Ø18
125	254	200	325	254	-	250	210	8-Ø19	254	216	8-Ø22	-	-	-
150	267	210	350	267	267	285	240	8-Ø23	279	241,5	8-Ø22	280	235	8-Ø18
200	292	230	400	292	292	340	295	8-Ø23/12-Ø23	343	298,5	8-Ø22	335	292	8-Ø18
250	330	250	450	330	330	395/405	350/355	12-Ø23/12-Ø28	406	362	12-Ø25	405	356	8-Ø22
300	356	270	500	356	356	445/460	400/410	12-Ø23/12-Ø28	483	432	12-Ø25	455	406	12-Ø22



DIN3352 FLANGE F4 DN 350 - DN 600 PN 16.

### Specifications

- **Size:** Dn 40 to DN 1000
- **Class:** PN 10, PN 16
- **Design:** EN 1171, EN 1074-2
- **Face to face:** EN 558-1
- **End Flange:** EN 102-2
- **Test:** EN 12266

### Materials

ITEM	PARTS NAME	MATERIAL
1	Body	Ductile Iron
2	Disc	Ductile Iron + EPDM
3	Stem Nut	Brass
4	Stem	Stainless Steel SS431
5	Bonnet	Ductile Iron
6	Bonnet Gasket	NBR
7	O Ring	NBR
8	Gland	Ductile Iron
9	Screw	Stainless Steel SS304

### Dimensions (mm)

DN	LENGHT mm					END FLANGE PN 10/16 - CL 125/150 mm								
	BS 5163	DIN F4	DIN F5	ASME B1,10	AS 2638	EN1092-2			ASME B16.1 / B16.42			AS4087		
	L					D	K	n-d	D	K	n-d	D	K	n-d
350	381	290	550	381	381	505/520	460/470	16-Ø23/16-Ø28	533	476	12-Ø28	525	470	12-Ø26
400	406	310	600	406	406	565/580	515/525	16-Ø28/16-Ø31	597	540	16-Ø28	580	521	12-Ø26
450	432	330	650	432	432	615/640	565/585	20-Ø28/20-Ø31	635	578	16-Ø32	640	584	12-Ø26
500	457	350	700	457	457	670/715	620/650	20-Ø28/20-Ø34	699	635	20-Ø32	705	641	16-Ø26
600	508	390	800	508	508	780/840	725/770	20-Ø31/20-Ø37	813	749	20-Ø35	825	756	16-Ø30
700	610	430	900	-	610	895/910	840	24-Ø31/24-Ø37	-	-	-	910	845	20-Ø30
800	660	470	1000	-	-	1015/1025	950	24-Ø34/24-Ø41	-	-	-	1060	984	20-Ø36
1000	813	550	1200	-	-	1230/1255	1160/1170	28-Ø37/28-Ø44	-	-	-	1255	1175	24-Ø36