

**Resilient seated gate valve**  
flanged

PN10  
PN16

SEWAGE

WATER



Gate valve 2111 DN80



Gate valve 2002 DN80



Packing cork protected against unscrewing and fully covered by additional cleaning gasket

Horizontal and vertical double spindle bearing



Replaceable wedge nut



Application of low friction sliding element

### Product description (standard execution):

- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Application of low friction sliding element
- Wedge nut made of forged brass - replaceable
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Under pressure replaceable packing cork
- Forged packing cork protected against unscrewing
- Packing cork protected against dirt penetration
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901, GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2; EN 1171
- Flange connection according to EN 1092-2; (DIN 2501) pressure PN10; PN16
- Face to face according to EN 558-A1 F5 (DIN 3202) – catalogue number 2002
- Face to face according to EN 558-A1 F4 (DIN 3202) – catalogue number 2111
- Product marking according to EN 19; EN 1074

### Application:

Water and sewage networks and tanks. Transport of non aggressive liquids.

Working conditions:

temp. up +70° C

pressure up to 1,6 MPa

### Execution variant:

Ductile cast iron EN-GJS 500-7

SS body and bonnet screws

With ISO top flange for actuator

With electric or pneumatic actuator - see.: 2901 2902 2903 2911

With inductive or electromechanical sensor

With opening indicator

Other material variants on request!

### Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1

Seat: 1,1 xPN

Body: 1,5 x PN

Operation torque test.

### Accessories:

Extension spindle - see: 9010, 9011

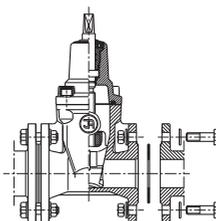
Pillar with handwheel - see: 9113

Pillar for electric actuator - see: 9114

Handwheel - see: 9301

Street box - see: 9501, 9503, 9504, 9509

### Installation:



Recommended

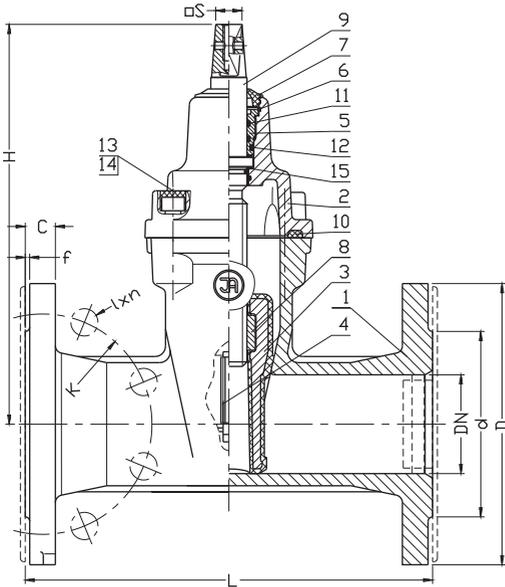


Acceptable



Not acceptable





No.	Part	Standar execution
1	Body	Ductile cast iron EN-GJS-400-15 or EN-GJS-500-7 EN 1563
2	Bonnet	Ductile cast iron EN-GJS-400-15 or EN-GJS-500-7 EN 1563
3	Wedge	Brass CW617N EN 12165 (DN32) Ductile cast iron (DN40-DN350) EN-GJS-400-15 or EN-GJS-500-7 EN 1563 Rubber EPDM NBR EN ISO 1629
4	Wedge slider	Tarnofom 300 EN ISO 1874-1
5	Packing cork	Brass CW617N EN 12165
6	Protection ring	Steel 1.1260
7	Cleaning gasket	Rubber EPDM or NBR EN ISO 1629
8	Spindle nut	Brass CW617N EN 12165
9	Spindle	Stainless Steel 1.4021 EN 10088-1
10	Body-bonnet gasket	Rubber EPDM or NBR EN ISO 1629
11	O-ring	Rubber EPDM or NBR EN ISO 1629
13	Screw	Steel Fe/Zn5, stainless steel EN ISO 4762
14	Screw stopper	Wax
15	Washer	Tarnofom 300 EN ISO 1874-1

DN	2111 L	2002 L	H	d PN16 (PN10)	D PN16 (PN10)	K PN16 (PN10)	I PN16 (PN10)	C	f	n PN16 (PN10)	Turns for full open	S	Weight 2111 [kg]	Weight 2002 [kg]
												[mm]		
32	130	-	145	76	140	100	19	18	3	4	9	12	5	-
40	140	240	220	84	150	110	19	19	3	4	11	14	9	10
50	150	250	230	99	165	125	19	19	3	4	13,5	14	10	11
65	170	270	265	118	185	145	19	19	3	4	14	17	14	16
80	180	280	290	132	200	160	19	19	3	8	17	17	15	17
100	190	300	325	156	220	180	19	19	3	8	21	19	21	23
125	200	325	365	184	250	210	19	19	3	8	26	19	31	39
150	210	350	457	211	285	240	23	19	3	8	26	19	41	48
200	230	400	534	266	340	295	23	20	3	12 (8)	34,5	24	62	77
250	250	450	633	319	405	355 (350)	28 (23)	22	3	12	42,5	27	94	106
300	270	500	708	370	460	410 (400)	28 (23)	25	4	12	51	27	122	148
350	290	550	790	429	520	470 (460)	28 (23)	27	4	16	60	27	216	254

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

**Resilient seated gate valve with bypass  
flanged DN400-DN600**

**PN10  
PN16**

**SEWAGE**

**WATER**



Gate valve 2111 DN600

### Product description (standard execution):

- Open and close bypass pressure regulation
- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Application of low friction sliding element
- Wedge nut made of forged brass - replaceable
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Packing cork protected against dirt penetration
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901, GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2; EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PN10; PN16
- Face to face according to EN 558-A1 F5 (DIN 3202) – catalogue number 2002
- Face to face according to EN 558-A1 F4 (DIN 3202) – catalogue number 2111
- Product marking according to EN 19; EN 1074

### Application:

Water and sewage networks and tanks. Transport of non aggressive liquids.  
Working conditions:  
temp. up +70° C

### Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 xPN  
Body: 1,5 x PN  
Operation torque test

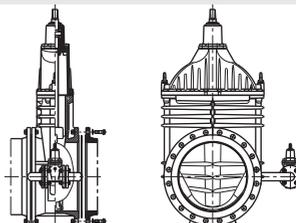
### Accessories:

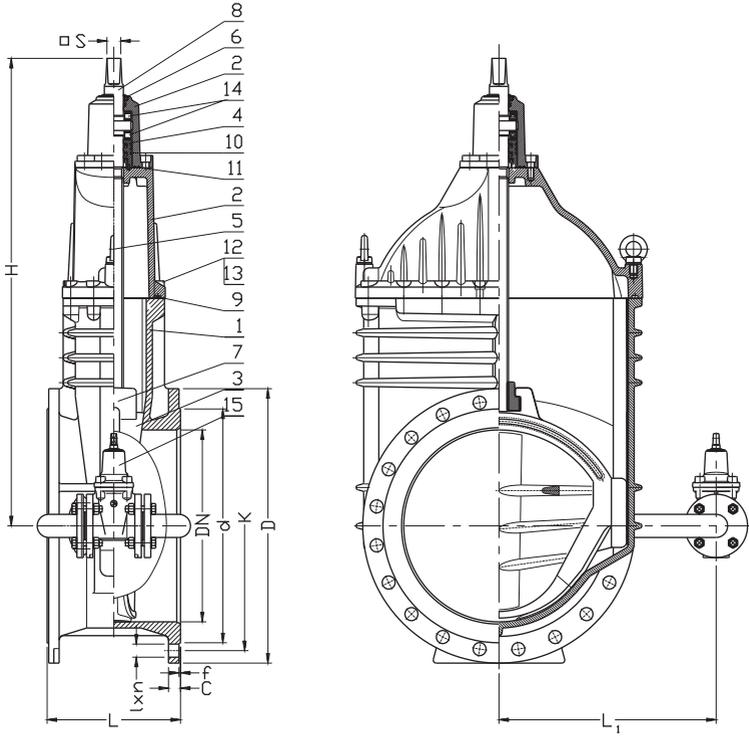
Extension spindle - see: 9010, 9011  
Pillar with handwheel - see: 9113  
Pillar for electric actuator - see: 9114  
Handwheel - see: 9301  
Street box - see: 9501, 9503, 9504, 9509

### Execution variant:

Ductile cast iron EN-GJS 500-7  
SS body and bonnet screws  
With ISO top flange for actuator  
With electric or pneumatic actuator - see.: 2901, 2902, 2903, 2911  
With inductive or electromechanical sensor  
With opening indicator  
Other material variants on request!

### Installation:





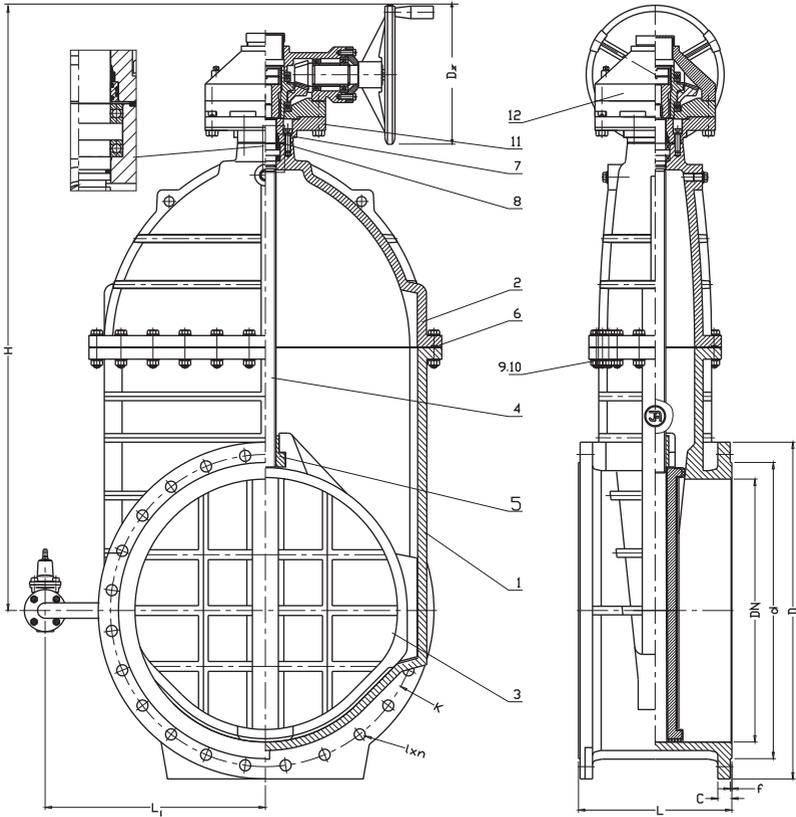
No.	Part	Standard execution	No.	Part	Standard execution
1	Body	Ductile cast iron EN-GJS-400-15 EN 1563	8	Spindle	Stainless steel 1.4021 EN 10088-1
2	Bonnet	Ductile cast iron EN-GJS-400-15 EN 1563	9	Body-bonnet gasket	Rubber EPDM EN ISO 1629
3	Wedge + slider	Ductile cast iron EN-GJS-400-15, EN 1563 Rubber EPDM, EN ISO 1629 Tarnform 300 EN-ISO 1874-1	10-11	O-ring	Rubber EPDM EN ISO 1629
4	Packing cork	Brass CW617N EN 12165	12	Screw	Steel Fe/Zn5, Stainless steel EN ISO 4762
5	Hoisting hook	Steel Fe/Zn5 EN ISO 4017	13	Screw stopper	Wax
6	Cleaning gasket	Rubber EPDM EN ISO 1629	14	Bearing	Producer catalogue
7	Spindle nut	Brass CW617N EN 12165	15	By-pass	Gate valve Typ 2111

- other material variants on special request

DN	L 2111	L 2002	L <sub>1</sub>	H	d PN16 (PN10)	D PN16 (PN10)	K PN16 (PN10)	I PN16 (PN10)	C	f	n PN16 (PN10)	S	Weight	Weight	By-pass	
												[mm]				
												-	[mm]	2111 [kg]	2002 [kg]	DN
400	310	600	460	1020	480	580	525 (515)	31 (28)	28	4	16	32	315	350	40	
450	330	-	480	1090	548 (530)	640	585 (565)	31 (28)	30	4	20	32	365	-	40	
500	350	700	510	1220	609 (582)	715 (670)	650 (620)	34 (28)	32	4	20	36	475	578	50	
600	390	800	580	1390	720 (682)	840 (780)	770 (725)	37 (31)	36	5	20	36	665	800	50	
600*	390	-	580	1390	794	910 (895)	840	37 (31)	36	5	24	36	695	-	50	

\* Flange connection EN 1092-2 for Dn700 - valve diameter DN600

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.



No.	Part	Material	No.	Part	Material
1	Body	Ductile cast iron EN-GJS-400-15, EN-GJS-500-7 EN 1563	7, 8	O-ring	Rubber NBR, EPDM ISO 1629
2	Bonnet	Ductile cast iron EN-GJS-400-15, EN-GJS 500-7 EN 1563	9	Screw	Stainless steel A2 EN ISO 4017
3	Wedge	Ductile cast iron EN-GJS-400-15, EN-GJS 500-7 EN 1563 Rubber NBR, EPDM ISO 1629	10	Screw stopper	Stainless steel A4 EN ISO 4032
4	Spindle	Steel 1.4021 EN 10088-1		Washer	Stainless steel A2 EN ISO 7091
5	Spindle nut	Brass CW617N EN 12165	11	Drive connector	Ductile cast iron EN-GJS-400-15, EN-GJS-500-7 EN 1563
6	Cleaning gasket	Rubber NBR, EPDM ISO 1629	12	Gear box	Catalogue producer

DN	2111 L	2002 L	L1	H	d PN16	D PN16 (PN10)	K PN16 (PN10)	I PN16 (PN10)	n PN16 (PN10)	C	f	Turn for full open	Dz	By- pass	Weight 2111	Weight 2002
[mm]													[mm]		[kg]	
700	430	900	608	1687	794	910 (895)	840	37 (31)	24	40	5	52	520	40	940	1060
800	470	1000	636	1855	901	1025 (1015)	950	40 (34)	24	43	5	52	520	50	1260	1420
900	510	1100	833	2018	1001	1125 (1115)	1050	40 (34)	28	47	5	58	520	80	1660	2100
1000	550	1200	999	2334	1112	1255 (1230)	1170 (1160)	43 (37)	28	50	5	65	600	80	3120	3700
1200	630	1400	1103	2757	1328	1485 (1455)	1390 (1380)	49 (41)	32	57	5	78	600	100	4650	5050

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

Resilient seated gate valve  
flanged

PN25

SEWAGE

WATER



Gate valve 2111 DN80



Gate valve 2002 DN80



Packing cork protected against unscrewing and fully covered by additional cleaning gasket



Horizontal and vertical double spindle bearing



Replaceable wedge nut



Application of low friction sliding element

### Product description (standard execution):

- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Application of low friction sliding element
- Wedge nut made of forged brass - replaceable
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against medium
- Under pressure replaceable packing cork
- Forged packing cork protected against unscrewing
- Packing cork protected against dirt penetration
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating - minimum 250 microns according to EN 14901, GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2; EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PN25
- Face to face according to EN 558-A1 F5 (DIN 3202) – catalogue number 2002
- Face to face according to EN 558-A1 F4 (DIN 3202) – catalogue number 2111
- Product marking according to EN 19; EN 1074

### Application:

Water and sewage networks and tanks. Transport of non aggressive liquids.  
Working conditions:  
temp. up +70° C

### Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 xPN  
Body: 1,5 x PN  
Operation torque test.

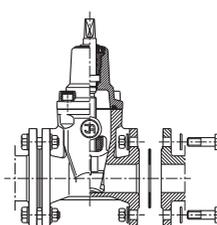
### Accessories:

Extension spindle - see: 9010, 9011  
Pillar with handwheel - see: 9113  
Pillar for electric actuator - see: 9114  
Handwheel - see: 9301  
Street box - see: 9501, 9503, 9504, 9509

### Execution variant:

Ductile cast iron EN-GJS 500-7  
SS body and bonnet screws  
With ISO top flange for actuator  
With electric or pneumatic actuator - see.: 2901, 2902, 2903, 2911  
With inductive or electromechanical sensor  
With opening indicator  
Other material variants on request!

### Installation:



Recommended

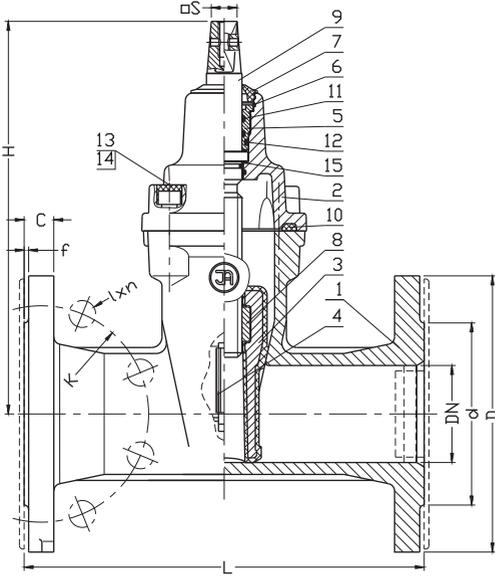


Acceptable



Not acceptable





No.	Part	Standard execution
1	Body	Ductile cast iron EN-GJS-400-15 or EN-GJS-500-7 EN 1563
2	Bonnet	Ductile cast iron EN-GJS-400-15 or EN-GJS-500-7 EN 1563
3	Wedge	Brass CW617N EN 12165 (DN32) Ductile cast iron (DN40-DN600) EN-GJS-400-15 or EN-GJS-500-7 EN 1563 Rubber EPDM EN ISO 1629
4	Wedge slider	Tarnofom 300 EN-ISO 1874-1
5	Packing cork	Brass CW617N EN 12165
6	Protection ring	Steel 1.1260
7	Cleaning gasket	Rubber EPDM or NBR EN ISO 1629
8	Spindle nut	Bras CW617N EN 12165
9	Spindle	Stainless Steel 1.4021 EN 10088-1
10	Body-bonnet gasket	Rubber EPDM or NBR EN ISO 1629
11	O-ring	Rubber EPDM or NBR EN ISO 1629
13	Screw	Steel Fe/Zn5, stainless steel EN ISO 4762
14	Screw stopper	Wax
15	Washer	Tarnofom 300 EN-ISO 1874-1

DN	2111 L	2002 L	H	d	D	K	I	C	f	n	Turn for full open	S	Weight [kg]	
												[mm]	2111	2002
32	130	-	145	76	140	100	19	19	3	4	g	12	5,3	-
40	140	240	220	84	150	110	19	19	3	4	11	14	9	10
50	150	250	230	99	165	125	19	19	3	4	13,5	14	10	10,5
65	170	270	265	118	185	145	19	19	3	8	14	17	14,5	15
80	180	280	290	132	200	160	19	19	3	8	17	17	17	19
100	190	300	325	156	235	190	23	19	3	8	21	19	24	26
125	200	325	365	184	270	220	28	19	3	8	26	19	31	36
150	210	350	457	211	300	250	28	20	3	8	26	19	44	50
200	230	400	534	274	360	310	28	22	3	12	34,5	24	63	80
250	250	450	633	330	425	370	31	25	3	12	42,5	27	100	111
300	270	500	708	389	485	430	31	28	4	16	51	27	127	162
350	290	550	790	448	555	490	34	30	4	16	60	27	230	245

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

Resilient seated gate valve  
flanged

PN25

SEWAGE

WATER



Gate valve 2002 DN400



Gate valve 2111 DN500

### Product description (standard execution):

- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Application of low friction sliding element
- Wedge nut made of forged brass - replaceable
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against medium
- Packing cork protected against dirt penetration
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901, GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2, EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PN25
- Face to face according to EN 558-A1 F5 (DIN 3202) – catalogue number 2002
- Face to face according to EN 558-A1 F4 (DIN 3202) – catalogue number 2111
- Product marking according to EN 19; EN 1074

### Application:

Water and sewage networks and tanks. Transport of non aggressive liquids.  
Working conditions:  
temp. up +70°C

### Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 xPN  
Body: 1,5 x PN  
Operation torque test.

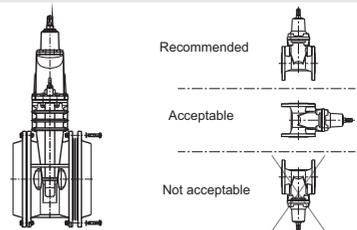
### Accessories:

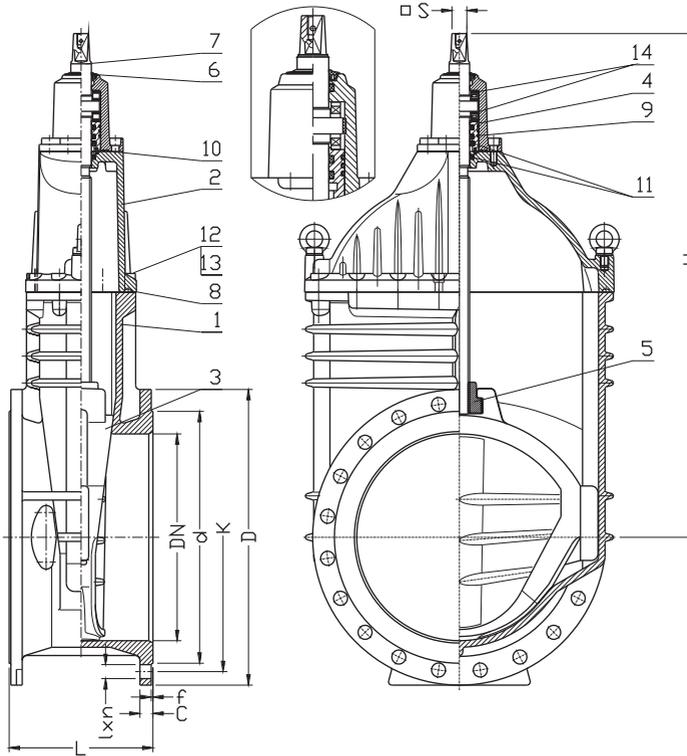
Extension spindle - see: 9010, 9011  
Pillar with handwheel - see: 9113  
Pillar for electric actuator - see: 9114  
Handwheel - see: 9301  
Street box - see: 9501, 9503, 9504, 9509

### Execution variant:

Ductile cast iron EN-GJS 500-7  
SS body and bonnet screws  
With ISO top flange for actuator  
With electric or pneumatic actuator - see.: 2901, 2902, 2903, 2911  
With inductive or electromechanical sensor  
With opening indicator  
Other material variants on request!

### Installation:





No.	Part	Material	No.	Part	Material
1	Body	Ductile cast iron EN-GJS-400-15, EN-GJS-500-7 EN 1563	7	Spindle	Steel 1.4021 EN 10088-1
2	Bonnet	Ductile cast iron EN-GJS-400-15, EN-GJS 500-7 EN 1563	8	Body-bonnet gasket	Rubber NBR, EPDM ISO 1629
3	Wedge + slider	Ductile cast iron EN-GJS-400-15, EN-GJS 500-7 EN 1563 Rubber NBR, EPDM: ISO 1629 Tarnoform 300 EN ISO 1874-1	9,10, 11	O-Ring	Rubber NBR, EPDM ISO 1629
4	Sealing sleeve	Brass CW617N EN 12165	12	Screw	Steel Fe/Zn5, stainless steel EN ISO 4762
5	Spindle nut	Brass CW617N EN 12165	13	Screw stopper	Wax
6	Cleaning gasket	Rubber NBR, EPDM ISO 1629	14	Bearing	Catalogue producer

DN	2111 L	2002 L	H	d	D	K	I	C	f	n	Turn for full open	S	Weight [kg]	
[mm]											-	[mm]	2111	2002
400	310	600	1020	503	620	550	37	32	4	16	58	32	315	343
450	330	-	1090	548	670	600	37	32	4	20	65	32	385	-
500	350	700	1220	609	730	660	37	34	4	20	63	36	480	550

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

**Resilient seated gate valve  
with technical connections flanged**

PN10  
PN16

SEWAGE

WATER



Gate valve DN100



Technical connectors for a multifunctional application



Horizontal and vertical double spindle bearing



Replaceable wedge nut



Packing cork protected against unscrewing and fully covered by additional cleaning gasket

### Product description (standard execution):

- Technical connectors for a multifunctional application
- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Application of low friction sliding element
- Wedge nut made of forged brass – replaceable
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Under pressure replaceable packing cork
- Forged packing cork protected against unscrewing
- Packing cork protected against dirt penetration
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901
- Product according to EN 1074-1, EN 1074-2; EN 1171
- Flange connection according to EN 1092-2; (DIN 2501) pressure PN10; PN16
- Face to face according to EN 558-A1 F5 (DIN 3202) – catalogue number 2002
- Product marking according to EN 19; EN 1074

### Application:

Water and sewage networks and tanks. Transport of non aggressive liquids.  
Working conditions: temp. up +70°C; pressure up to 1,6 MPa

Technical connectors allow:

- Measurement of the temperature of the flowing medium (water, sewage, etc...)
- Pressure Measurement
- Venting and dehydration of pipelines
- Medium samples collection
- Possibility of feeding disinfectants to the pipeline

### Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1

Seat: 1,1 xPN

Body: 1,5 x PN

Operation torque test.

### Accessories:

Extension spindle - see: 9010, 9011

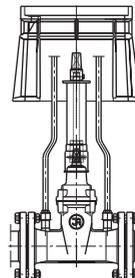
Handwheel - see: 9301

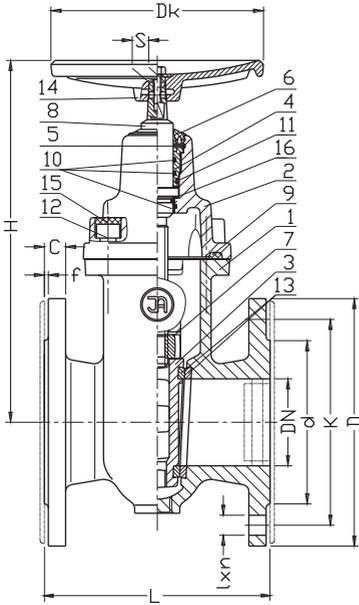
Street box - see: 9501, 9509, 9502 (in the case of extension of technical connectors)

### Execution variant:

The possibility of extending technical connections to the ground level - the required protection against freezing  
Ductile cast iron EN-GJS 500-7  
SS body and bonnet screws

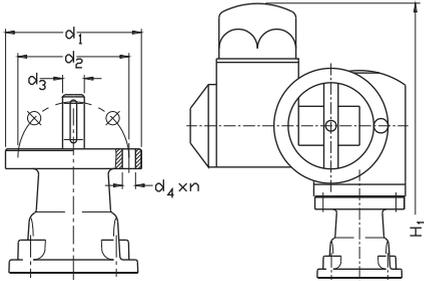
### Installation:





Product version:  
For actuator 2110

Electric actuator 2910



No.	Part	Standard execution
1	Body	Ductile cast iron EN-GJS 400-15, EN 1563
2	Bonnet	Ductile cast iron EN-GJS 400-15, EN 1563
3	Wedge	Ductile cast iron EN-GJS 400-15, EN 1563
4	Packing cork	Brass CW617N EN 12165
5	Protection ring	Steel 1.1260
6	Cleaning gasket	Rubber EPDM EN ISO 1629
7	Spindle nut	Brass CW617N (*) EN 12165
8	Spindle	Stainless steel 1.4301 EN 10088-1
9	Body-bonnet gasket	Rubber EPDM EN ISO 1629
10	O-ring	Rubber EPDM EN ISO 1629
12	Screw	Steel Zn/Fe5 EN ISO 4762
13	Ring	Brass CW617N (*) EN 12165
14	Handwheel	Grey iron EN-GJL-250 EN 1561
15	Screw stoper	Wax
16	Washer	Tarnof orm 300 EN ISO 1874-1

DN	PN	L	H	H1	d	D	K	C	f	I	n	d1	d2	d3	d4	S	Dk	LH thread	Actuator	Turns for full open	Weight	
[mm]	[bar]																				[kg]	
40	10-16	140	230	461	84	150	110	19	3	19	4	90	70	20	9x4	14	200	Tr16x4	SA 7.6 F7	-	15	11
50	10-16	150	250	481	99	165	125	19	3	19	4	90	70	20	9x4	14	200	Tr16x4		-	18	13
65	10-16	170	280	507	118	185	145	19	3	19	4	125	102	20	11x4	17	200	Tr16x4	SA 10.2 F10	-	20	18
80	10-16	180	310	530	132	200	160	19	3	19	8	125	102	20	11x4	17	200	Tr16x4		-	26	21
100	10-16	190	350	563	156	220	180	19	3	19	8	125	102	20	11x4	19	250	Tr20x4	SA 10.2 F10	-	30	30
125	10-16	200	395	604	184	250	210	19	3	19	8	125	102	20	11x4	19	250	Tr24x5		-	29	42
150	10-16	210	450	675	211	285	240	19	3	23	8	125	102	20	11x4	19	250	Tr24x5	SA 14.2 F14	-	36	54
200	10-16	230	510	750	266	340	295	20	3	23	12(8)	125	102	20	11x4	24	320	Tr24x5		-	46	80
250	10-16	250	625	875	319	405(395)	355(350)	22	3	28(23)	12	175	140	30	18x4	27	320	Tr32x6	SA 14.2 F14	-	48	98
300	10-16	270	710	950	370	460(445)	410(400)	25	4	28(23)	12	175	140	30	18x4	27	320	Tr32x6		-	57	130

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

**Resilient seated gate valve BS5163**  
flanged

PN10  
PN16

SEWAGE

WATER



Gate valve 2112 DN65



Packing cork protected against unscrewing and fully covered by additional cleaning gasket

Horizontal and vertical double spindle bearing



Replaceable wedge nut



Application of low friction sliding element

### Product description (standard execution):

- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Wedge nut made of forged brass - replaceable
- Application of low friction sliding element
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Under pressure replaceable packing cork
- Forged packing cork protected against unscrewing
- Packing cork protected against dirt penetration
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901, GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2 EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PN10; PN16
- Face to face according to BS 5163-1
- Product marking according to EN 19; EN 1074

### Application:

Water and sewage networks and tanks. Transport of non aggressive liquids.  
Working conditions:  
temp. up +70°C

### Execution variant:

Ductile cast iron EN-GJS 500-7  
SS body and bonnet screws  
With ISO top flange for actuator  
With electric or pneumatic actuator - see.: 2901, 2902, 2903, 2911  
With inductive or electromechanical sensor  
With opening indicator  
Other material variants on request!

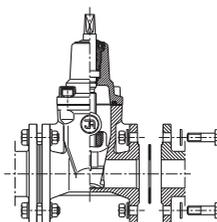
### Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 xPN  
Body: 1,5 x PN  
Operation torque test.

### Accessories:

Extension spindle - see: 9010, 9011  
Pillar with handwheel - see: 9113  
Pillar for electric actuator - see: 9114  
Handwheel - see: 9301  
Street box - see: 9501, 9503, 9504, 9509

### Installation:



Recommended

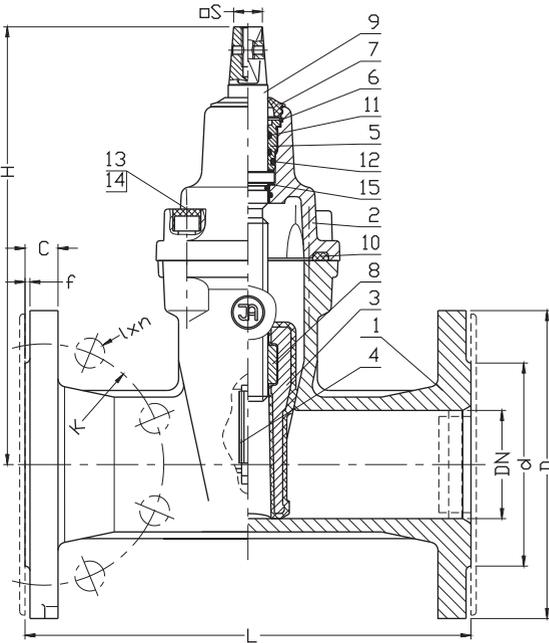


Acceptable



Not acceptable





No.	Part	Standar execution
1	Body	Ductile cast iron EN-GJS-400-15 EN 1563
2	Bonnet	Ductile cast iron EN-GJS-400-15 EN 1563
3	Wedge	Ductile cast iron EN-GJS-400-15 EN 1563 Rubber EPDM EN ISO 1629
4	Wedge slider	Tamofom 300 EN-ISO 1874-1
5	Packing cork	Brass CW617N EN 1982
6	Protection ring	Steel 1.1260 74/H-84032
7	Cleaning gasket	Rubber EPDM or NBR EN ISO 1629
8	Spindle nut	Brass CW617N EN 1982
9	Spindle	Stainless Steel 1.4021 EN 10088-1
10	Body-bonnet gasket	Rubber EPDM or NBR EN ISO 1629
11	O-ring	Rubber EPDM or NBR EN ISO 1629
13	Screw	Steel Fe/Zn5, stainless steel Acc. to EN ISO 4762
14	Screw stopper	Wax
15	Washer	Tamofom 300 EN ISO 1874-1

DN	L	H	d	D	K PN16 (PN10)	I PN16 (PN10)	C	f	n PN16 (PN10)	S	Turn for full open	Weight
[mm]												
40	165	220	84	150	110	19	16	3	4	14	11	8,5
50	178	230	99	165	125	19	19	3	4	14	13,5	10,5
65	190	265	118	185	145	19	19	3	4	17	14	15
80	203	290	132	200	160	19	19	3	8	17	17	19,5
100	229	325	156	220	180	19	19	3	8	19	23	26
125	254	365	184	250	210	19	19	3	8	19	26	33,5
150	267	457	211	285	240	23	20	3	8	19	30,5	48,2
200	292	534	266	340	295	23	22	3	12 (8)	24	34,5	73,3
250	330	633	319	405	355 (350)	28 (23)	25	3	12	27	42,5	97
300	356	708	370	460	410 (400)	28 (23)	27	4	12	27	51	134,5

**Resilient seated gate valve BS5163**  
flanged

PN10  
PN16

SEWAGE

WATER



Gate valve 2112 DN400

### Product description (standard execution):

- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Wedge nut made of forged brass - replaceable
- Application of low friction sliding element
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Packing cork protected against dirt penetration
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901, GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2, EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PN10; PN16
- Face to face according to BS 5163-1
- Product marking according to EN 19; EN 1074

### Application:

Water and sewage networks and tanks. Transport of non aggressive liquids.  
Working conditions:  
temp. up +70°C

### Execution variant:

Ductile cast iron EN-GJS 500-7  
SS body and bonnet screws  
With ISO top flange for actuator  
With electric or pneumatic actuator - see.: 2901, 2902, 2903, 2911  
With inductive or electromechanical sensor  
With opening indicator  
Other material variants on request!

### Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 xPN  
Body: 1,5 x PN  
Operation torque test.

### Accessories:

Extension spindle - see: 9010, 9011  
Pillar with handwheel - see: 9113  
Pillar for electric actuator - see: 9114  
Handwheel - see: 9301  
Street box - see: 9501, 9503, 9504, 9509

### Installation:



Recommended

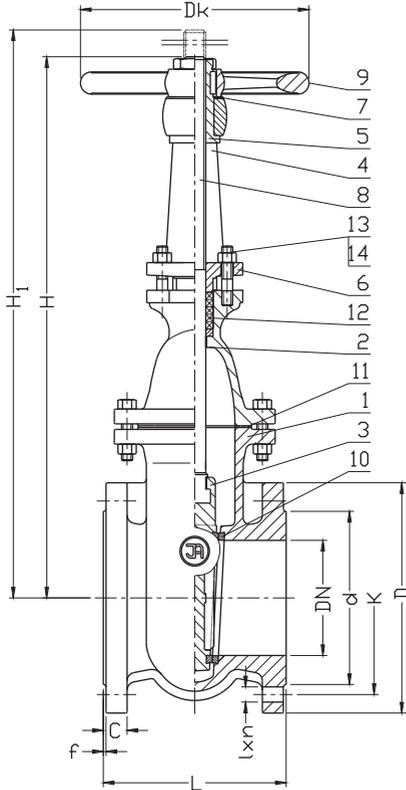


Acceptable



Not acceptable





No.	Part	Standard execution
1	Body	Ductile cast iron EN-GJS 400-15 EN-GJS-500-7 EN 1563
2	Bonnet	Ductile cast iron EN-GJS 400-15 EN-GJS-500-7 EN 1563
3	Wedge	Ductile cast iron EN-GJS 400-15 EN-GJS-500-7 EN 1563
4	Pillar	Ductile cast iron EN-GJS 400-15 EN-GJS-500-7 EN 1563
5	Threaded bushing	Ductile cast iron EN-GJS-500-7 EN 1563 Bronze EN 1982
6	Clamping plate	Ductile cast iron EN-GJS 400-15 EN-GJS-500-7 EN 1563
7	Spindle washer	Bronze CW306G EN 12163
8	Spindle	Stainless steel 1.4021 EN 10088-1
9	Handwheel	Grey iron EN-GJL-250 EN 1561
10	Ring	Stainless steel 1.4021 EN 10088-1 Bronze EN 1982*
11	Body-bonnet gasket	Non-asbestos gasket Graphite - DN40-300 AF300 - DN350-600
12	Gland seal	Graphite - DN40-300; Graphite or PTFE - DN350-600
13	Screw	Steel 1.0038 DN40-300 Fe/Zn5 DN350-600 EN ISO 4017
14	Nut	Steel 1.0038 DN40-300 Fe/Zn5 DN350-600 EN ISO 4027

- other material variants on special request

Seal	120°C	150°C
Steel ring	PS10/16	PS10
Bronze ring*	PS10/16	

DN	PN	L	H/H1	d	D	K	C	f	l	n	Dk	LH thread	Weight
[mm]	[bar]			PN16 (PN10)	PN16 (PN10)	PN16 (PN10)			PN16 (PN10)	-	[mm]		[kg]
40	10-16	140	244/295	84	150	110	19	3	19	4	160	Tr12X3	12
50	10-16	150	255/315	99	165	125	19	3	19	4	160	Tr12X3	14,8
65	10-16	170	277/352	118	185	145	19	3	19	4	160	Tr16X4	18,5
80	10-16	180	303/398	132	200	160	19	3	19	8	160	Tr16X4	21,2
100	10-16	190	340/465	156	220	180	19	3	19	8	200	Tr20X4	31
125	10-16	200	387/527	10-16	250	210	19	3	19	8	200	Tr20X4	43,6
150	10-16	210	454/624	211	285	240	19	3	23	8	200	Tr22X5	53,7
200	10-16	230	538/755	266	340	295	20	3	23	12(8)	250	Tr22X5	82,5
250	10-16	250	629/898	319	405 (395)	355 (350)	22	3	28 (23)	12	250	Tr26X5	105
300	10-16	270	730/1050	370	460 (445)	410 (400)	25	4	28 (23)	12	320	Tr28X5	152
350	10-16	290	1280/1650	429	520 (505)	470 (460)	27	4	28 (23)	16	320	Tr32X6	225
400	10-16	310	1410/1830	480	580 (565)	525 (515)	28	4	31 (28)	16	320	Tr32X6	330
500	10-16	350	1720/2550	609 (582)	715 (670)	650 (620)	32	4	34 (28)	20	630	Tr40X6	430
600	10-16	390	1990/2615	720 (682)	840 (780)	770 (725)	36	5	37 (31)	20	630	Tr40X6	668

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

**Gate valve**  
soft seated with PE pipe ends

**PN16**

**WATER**



Gate valve DN100



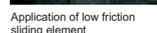
Packing cork protected against unscrewing and fully covered by additional cleaning gasket



Horizontal and vertical double spindle bearing



Replaceable wedge nut



Application of low friction sliding element

### Product description (standard execution):

- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Application of low friction sliding element
- Forged replaceable wedge nut made of brass
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing both horizontal and vertical way
- O-ring spindle sealing packing cork protected against medium
- Under pressure replaceable packing cork
- Forged packing cork protected against unscrewing
- Packing cork protected against dirt penetration
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901GSK RAL certificate
- Article according to EN 1074-1, EN 1074-2; EN 1171
- End connectors made of PE 100 SDR 11 pipe
- The PE pipe end connectors enables direct welding into PE pipes
- PE/Steel connection sealed with a plastic shrink hose ring
- Product marking according to EN 19; EN 1171

### Application:

Water networks and tanks. Transport of non aggressive liquids.

Working conditions:  
temp. from -10°C to +40°C  
pressure up to 1,6 MPa

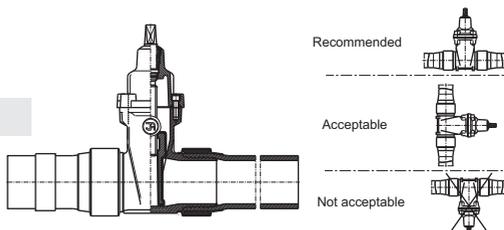
### Execution variant:

SS body and bonnet screws  
Connectors adapted for PE pipes PE100 SDR17  
With Protogel coating

### Test control:

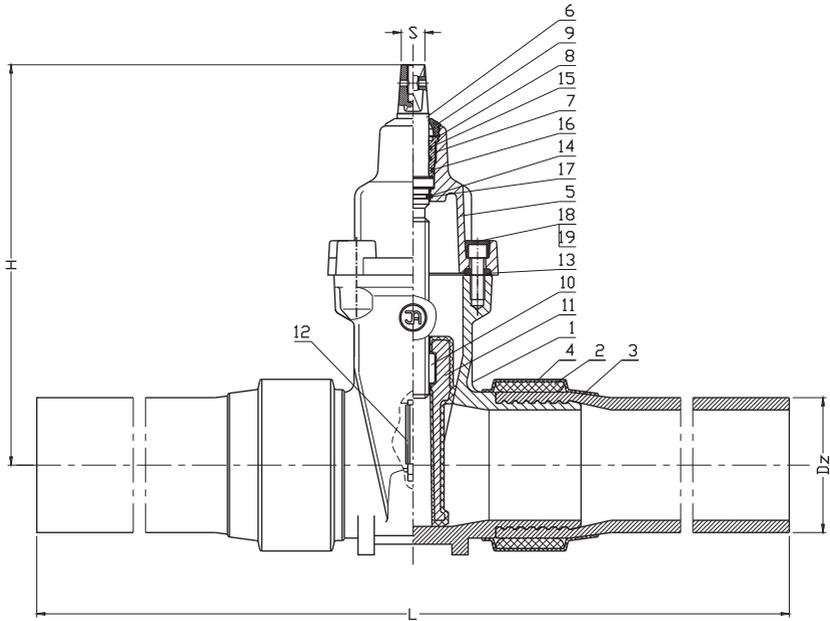
Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 x PN  
Body: 1,5 x PN  
Operation torque test.

### Installation:



### Accessories:

- Extension spindle - see: 9010, 9011
- Pillar with handwheel - see: 9113
- Pillar for electric actuator - see: 9114
- Street box - see: 9501,9503,9504, 9509



No.	Part	Standard execution
1	Body	Ductile cast iron EN-GJS 400-15 EN 1563
2	Clamping ring	Steel 1.0037 EN 10025-2
3	PE pipe ends	PE 100 SDR 11 EN 1555-2
4	Shrink hose	Plastic
5	Bonnet	Ductile cast iron EN-GJS 400-15 EN 1563
6	Spindle	Steel 1.4021 EN 10088-1
7	Packing cork	Brass CW617N EN 12165
8	Protection ring	Steel 1.1280 EN-74/H-84032
9	Cleaning gasket	Rubber EPDM or NBR EN ISO 1629
10	Spindle nut	Brass CW617N EN 12165
11	Wedge	Brass CW617N EN 12165 (DN25-32) Ductile cast iron (DN40-DN300) EN-GJS 400-15 EN 1563 Rubber EPDM / NBR; EN ISO 1629
12	Wedge slider	Tarnform 300 EN ISO 1874-1
13	Body-bonnet gasket	Rubber EPDM or NBR EN ISO 1629
14-17	O-ring	Rubber EPDM or NBR EN ISO 1629
18	Screw	Steel Fe/Zn5 stainless steel EN ISO 4762
19	Screw stopper	Wax

- other material variants on special request

DN	H	Dz	L	S	Turn for full open	Weight	
						[mm]	[kg]
25	130	32	800	12	7,5	4	
32	145	40	800	12	9	5	
40	220	50	850	14	11	6	
50	230	63	850	14	13,5	11	
65	265	75	860	17	14	13	
80	290	90	860	17	17	21	
100	325	110	900	19	21	24	
125	365	125	1100	19	26	33	
150	457	160	1100	19	26	49	
150	457	180	1100	19	26	52	
200	534	200	1100	24	34,5	76	
200	534	225	1100	24	34,5	80	
250	633	250	1200	27	42,5	102	
250	633	280	1200	27	42,5	110	
300	708	315	1300	27	51	150	

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

## Resilient seated gate valve for PE pipes

PN10  
PN16

WATER



Gate valve DN80



Packing cork protected against unscrewing and fully covered by additional cleaning gasket

Horizontal and vertical double spindle bearing



Replaceable wedge nut



Application of low friction sliding element

### Product description (standard execution):

- Buffer zone and flexible tube positioning
- PE tube clamping ring protection against slipping
- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Application of low friction sliding element
- Wedge nut made of forged brass - replaceable
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Under pressure replaceable packing cork
- Forged packing cork protected against unscrewing
- Packing cork protected against dirt penetration
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901 GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2; EN 1171
- Face to face according to producer documentation JAFAR
- Product marking according to EN 19; EN 1074

### Application:

Water networks and tanks. Transport of non aggressive liquids implemented with PE and PVC pipes with working pressure up to 1.6 MPa  
Working conditions:  
temp. up +40°C

### Execution variant:

Ductile cast iron EN-GJS 500-7  
SS body and bonnet screws  
With ISO top flange for actuator  
With electric or pneumatic actuator  
With inductive or electromechanical sensor  
With opening indicator  
Other material variants on request!

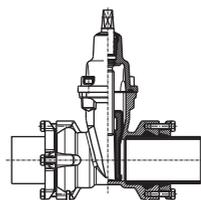
### Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 xPN  
Body: 1,5 x PN  
Operation torque test.

### Accessories:

Extension spindle - see: 9010, 9011  
Pillar with handwheel - see: 9113  
Pillar for electric actuator - see: 9114  
Street box - see: 9501, 9503, 9504, 9509

### Installation:



Recommended

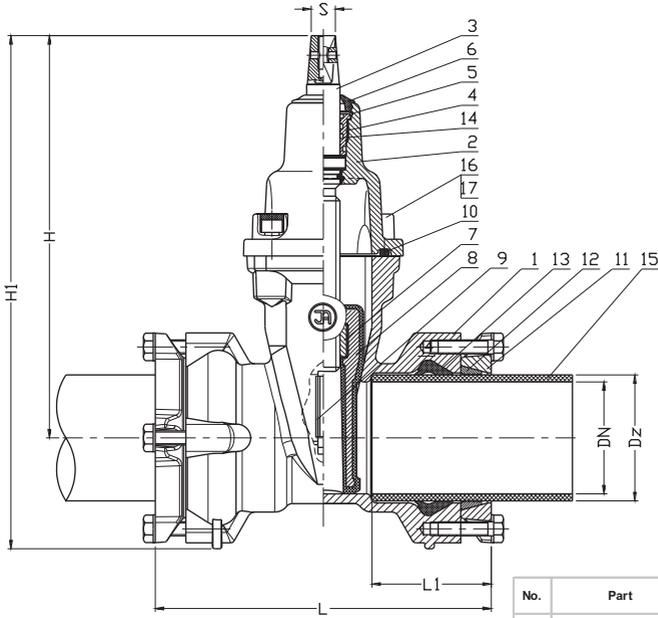


Acceptable



Not acceptable





No.	Part	Standard execution
1	Body	Ductile cast iron EN-GJS-400-15 EN 1563
2	Bonnet	Ductile cast iron EN-GJS-400-15 EN 1563
3	Spindle	Stainless steel 1.4021 EN 10088-1
4	Packing cork	Brass CW617N EN 12165
5	Protection ring	Steel 1.1260
6	Cleaning gasket	Rubber EPDM or NBR EN ISO 1629
7	Spindle nut	Brass CW617N EN 12165
8	Wedge	Ductile cast iron (DN50-DN300) EN-GJS-400-15 EN 1563 Rubber EPDM or NBR; EN ISO 1629
9	Wedge slider	Tarnom 300 EN ISO 1874-1
10	Body-bonnet gasket	Rubber EPDM or NBR EN ISO 1629
11	Forked flange	Ductile cast iron EN-GJS-500-7 EN 1563
12	Ring	Brass CW617N EN 12165
13	FORSHEd ring	Rubber EPDM or NBR EN ISO 1629
14	O-ring	Rubber EPDM or NBR EN ISO 1629
15	PE pipe	SDR11 EN 1555-2
16	Screw	Stal Fe/Zn5, stainless steel EN ISO 4762
17	Screw stopper	Wax

- other material variants on special request

DN	Dz	H	H1	L	L1	S	Weight
[mm]							[kg]
50	63	230	295	226	82	14	5
65	75	265	335	240	85	17	11
80	90	290	367	242	86	17	15
100	110	325	412	252	86	19	19
100	125	325	412	260	86	19	21
125*	125	365	458	280	90	19	29
150	160	457	575	326	90	19	38
200	200	534	674	366	128	24	56
200	225	534	674	366	128	24	58
250	250	650	825	400	137	27	87
250	280	650	835	420	147	27	97
300	315	708	908	472	176	27	135

\* - implementation

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

**Resilient seated gate valve  
with spigot ends**

PN10  
PN16

SEWAGE

WATER



Gate valve DN50



Packing cork protected against unscrewing and fully covered by additional cleaning gasket



Horizontal and vertical double spindle bearing



Replaceable wedge nut



Application of low friction sliding element

### Product description (standard execution):

- Easy installation with sockets cast-iron pipes
- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Wedge nut made of forged brass - replaceable
- Application of low friction sliding element
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Under pressure replaceable packing cork
- Forged packing cork protected against unscrewing
- Packing cork protected against dirt penetration
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901 GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2; EN 1171
- Face to face according to producer documentation JAFAR
- Product marking according to EN 19; EN 1074

### Application:

Water and sewage networks and tanks. Transport of non aggressive liquids.  
Working conditions:  
temp. up +70°C

### Execution variant:

Ductile cast iron EN-GJS 500-7  
SS body and bonnet screws  
With ISO top flange for actuator  
With electric or pneumatic actuator - see.: 2901 2902 2903 2911  
With inductive or electromechanical sensor  
With opening indicator  
Other material variants on request!

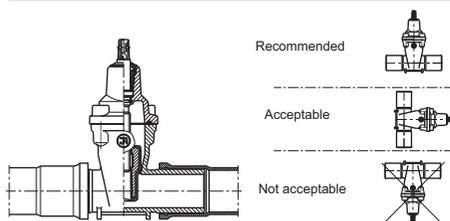
### Test control:

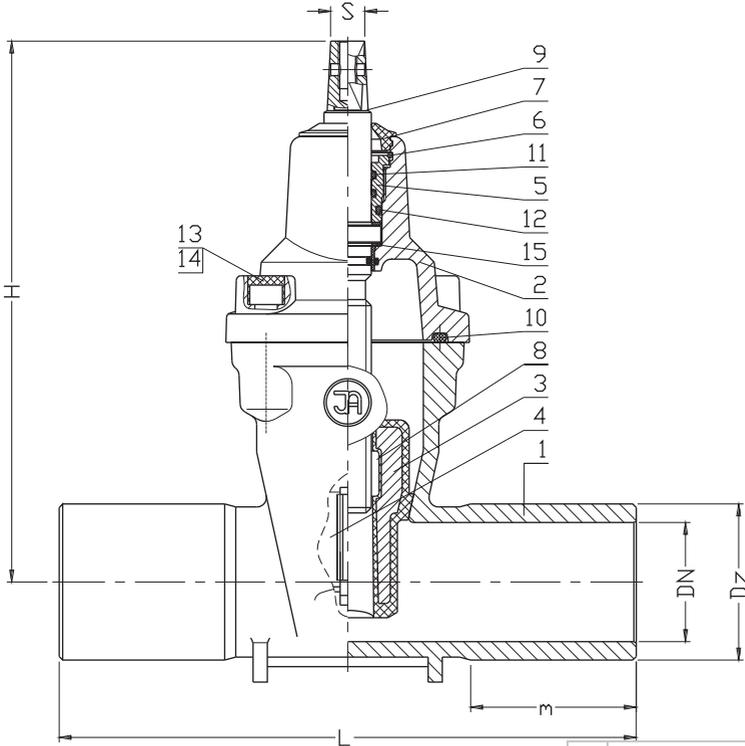
Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 xPN  
Body: 1,5 x PN  
Operation torque test.

### Accessories:

Extension spindle - see: 9010, 9011  
Pillar with handwheel - see: 9113  
Pillar for electric actuator - see: 9114  
Street box - see: 9501, 9503, 9504, 9509

### Installation:





DN	Dz	L	m	H	S	Weight
[mm]						[kg]
50	66	244	70	230	14	8
65	82	264	80	265	17	9
80	98	274	85	290	17	12
100	118	294	85	325	19	21
125	144	319	87	365	19	29
150	170	344	95	457	19	42
200	222	394	110	534	24	69
250	274	444	130	633	27	94
300	326	494	130	708	27	141

No.	Part	Standard execution
1	Body	Ductile cast iron EN-GJS-500-7 EN 1563
2	Bonnet	Ductile cast iron EN-GJS-500-7 EN 1563
3	Wedge	Ductile cast iron EN-GJS-500-7 EN 1563 Rubber EPDM PIEN ISO 1629
4	Wedge slider	Tarnoform 300 EN ISO 1874-1
5	Packing cork	Brass CW617N EN 12165
6	Protection ring	Steel 1.1260
7	Cleaning gasket	Rubber EPDM EN ISO 1629
8	Spindle nut	Brass CW617N EN 12165
9	Spindle	Stainless steel 1.4021 EN 10088-1
10	Body-bonnet gasket	Rubber EPDM EN ISO 1629
11	O-Ring	Rubber EPDM EN ISO 1629
12		
13	Screw	Steel Fe/Zn5 stainless steel EN ISO 4762
14	Screw stopper	Wax
15	Washer	Tarnoform 300 EN ISO 1874-1

- other material variants on special request

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

**Resilient seated gate valve  
with opening indicator flanged**

PN10  
PN16

**FIRE  
PROTECTION**

**WATER**



Gate valve DN100



Packing cork protected against unscrewing and fully covered by additional cleaning gasket

Horizontal and vertical double spindle bearing



Replaceable wedge nut



Application of low friction sliding element

**Product description (standard execution):**

- Corrosion resistant opening indicator
- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15; EN-GJS 500-7
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Application of low friction sliding element
- Wedge nut made of forged brass - replaceable
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Under pressure replaceable packing cork
- Forged packing cork protected against unscrewing
- Packing cork protected against dirt penetration
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901 GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2; EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PN10; PN16
- Face to face according to EN 558-A1 F5 (DIN 3202) – catalogue number 2002
- Face to face according to EN 558-A1 F4 (DIN 3202) – catalogue number 2111
- Product marking according to EN 19; EN 1074

**Application:**

Water networks, tanks and fire fighting instalations. Transport of non aggressive liquids.

Working conditions:  
temp. up +70°C  
pressure up to 1,6 MPa

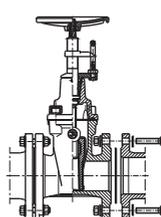
**Test control:**

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 xPN  
Body: 1,5 x PN  
Operation torque test.

**Execution variant:**

With inductive or electromechanical sensors

**Installation:**



Recommended

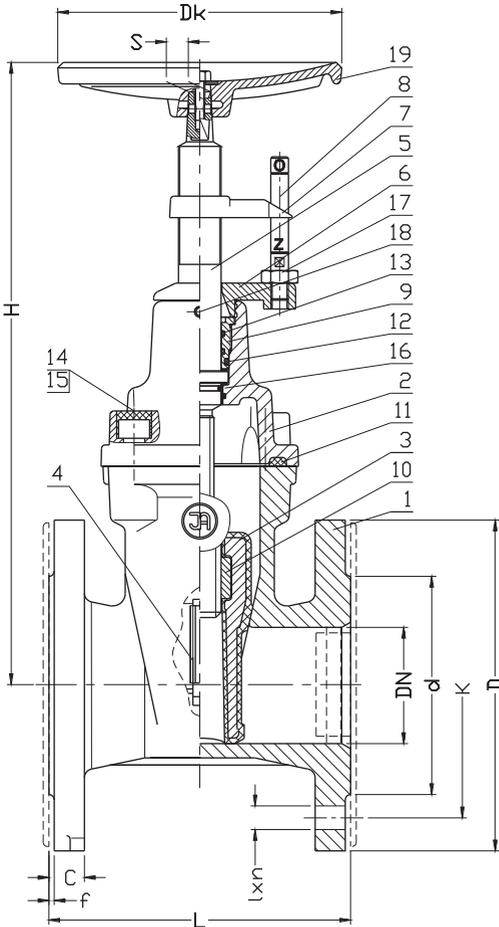


Acceptable



Not acceptable





No.	Part	Standard execution
1	Body	Ductile cast iron EN-GJS-400-15 or EN-GJS-500-7 EN 1563
2	Bonnet	Ductile cast iron EN-GJS-400-15 or EN-GJS-500-7 EN 1563
3	Wedge	Ductile cast iron EN-GJS-400-15 EN-GJS-500-7 EN 1563 Rubber EPDM or NBR; EN ISO 1629
4	Wedge slider	Tarnoform 300 EN ISO 1874-1
5	Spindle	Stainless steel 1.4057; 1.4021 EN 10088-1
6	Indicator holder	Grey iron EN-GJL-250 EN 1561 Polypropylene EN ISO 1872-1
7	Indicator	Brass CW617N EN 12165 Polyethylene, EN ISO 1872-1
8	Scale	Stainless steel 1.4021 EN 10088-1
9	Packing cork	Brass CW617N EN 12165
10	Spindle nut	Brass CW617N EN 12165
11	Body-bonnet gasket	Rubber EPDM or NBR EN ISO 1629
12	O-ring	Rubber EPDM or NBR EN ISO 1629
14	Screw	Steel Fe/Zn5; stainless steel EN ISO 4762
15	Screw stopper	Wax
16	Washer	Tarnoform 300 EN ISO 1874-1
17	Nut	Steel Fe/Zn5; stainless steel EN ISO 4032
18	Screw	Stainless steel EN ISO 4027
19	Handwheel	Grey iron EN-GJL-250 EN 1561

- other material variants on special request

DN	2511 L	2502 L	H	d PN 16 (PN 10)	D	K PN 16 (PN 10)	I PN 16 (PN 10)	C	f	n PN 16 (PN 10)	Dk	S	Weight	Weight
[mm]											[mm]		2511 [kg]	2502 [kg]
40	140	240	290	84	150	110	19	19	3	4	200	14	11	12
50	150	250	315	99	165	125	19	19	3	4	200	14	13	14
65	170	270	345	118	185	145	19	19	3	4	200	17	18	19
80	180	280	385	132	200	160	19	19	3	8	200	17	21	23
100	190	300	435	156	220	180	19	19	3	8	250	19	30	33
125	200	325	475	184	250	210	19	19	3	8	250	19	36	42
150	210	350	535	211	285	240	23	19	3	8	250	19	50	54
200	230	400	620	266	340	295	23	20	3	12 (8)	320	24	70	87
250	250	450	720	319	405	355 (350)	28 (23)	22	3	12	320	27	98	112
300	270	500	830	370	460	410 (400)	28 (23)	25	4	12	320	27	132	159
350	290	550	940	429	520	470 (450)	28 (23)	27	4	16	320	27	223	262

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

**Resilient seated gate valve  
with opening indicator flanged**

PN10  
PN16

**FIRE  
PROTECTION**

**WATER**



Gate valve DN500

**Product description (standard execution):**

- Corrosion resistant opening indicator
- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15; EN-GJS 500-7
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Application of low friction sliding element
- Wedge nut made of forged brass - replaceable
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Forged packing cork protected against unscrewing
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901 GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2; EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PN10; PN16
- Face to face according to EN 558-A1 F5 (DIN 3202) – catalogue number 2002
- Face to face according to EN 558-A1 F4 (DIN 3202) – catalogue number 2111
- Product marking according to EN 19; EN 1074

**Application:**

Water networks, tanks and fire fighting instalations. Transport of non aggressive liquids.

Working conditions:  
temp. up +70°C  
pressure up to 1,6 MPa

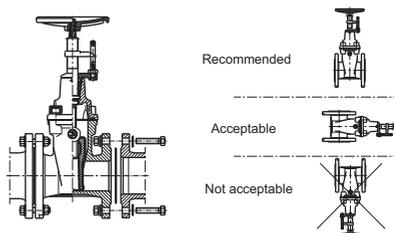
**Test control:**

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 xPN  
Body: 1,5 x PN  
Operation torque test.

**Execution variant:**

With inductive or electromechanical sensors

**Installation:**



**Resilient seated gate valve  
with pneumatic actuator flanged**

**PN10  
PN16**

**SEWAGE**

**WATER**



Gate valve 2901 DN 200

### Product description (standard execution):

- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15; EN-GJS 500-7
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Wedge nut made of forged brass - replaceable
- Application of low friction sliding element
- Pneumatic actuator for 6 bars operating pressure
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Forged packing cork protected against unscrewing
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901 GSK RAL certificate
- Product according to EN 1074-1 and 2; EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PN10; PN16
- Face to face according to EN 558-A1 F5 (DIN 3202) – catalogue number 2903
- Face to face according to EN 558-A1 F4 (DIN 3202) – catalogue number 2901
- Product marking according to EN 19; EN 1074

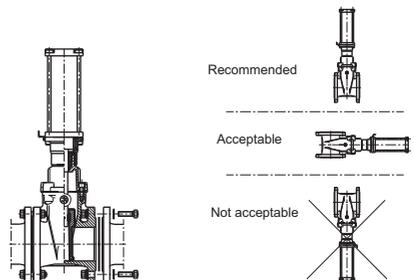
### Application:

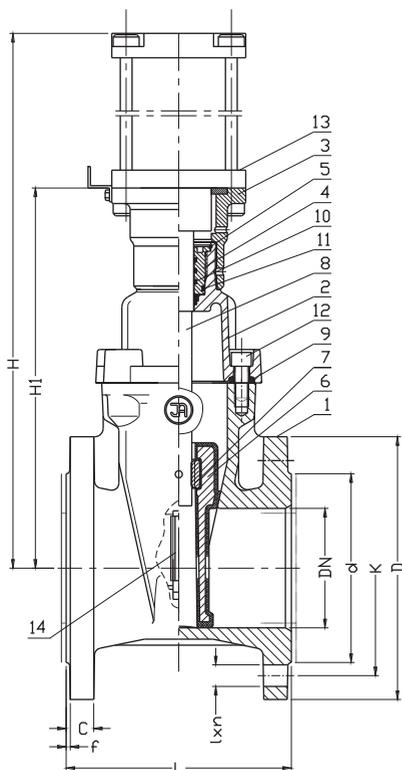
Water and sewage networks and tanks. Transport of non aggressive liquids.  
 Working conditions:  
 temp. up +70°C  
 pressure up to 1,6 MPa

### Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
 Seat: 1,1 x PN  
 Body: 1,5 x PN

### Installation:





No.	Part	Standard execution
1	Body	Ductile cast iron EN-GJS-400-15 EN 1563 EN-GJS-500-7 EN 1563
2	Bonnet	Ductile cast iron EN-GJS-400-15 EN 1563 EN-GJS-500-7 EN 1563
3	Engine base	Ductile cast iron EN-GJS-400-15 EN 1563 EN-GJS-500-7 EN 1563
4	Packing cork	Brass CW617N EN 12165
5	Protection ring	Steel 1.1260
6, 14	Wedge + slider	Ductile cast iron EN-GJS-400-15 EN 1563 EN-GJS-500-7 EN 1563 Rubber EPDM or NBR EN ISO 1629 Tamoform 300 EN ISO 1874-1
7	Spindle nut	Brass CW617N EN 12165 Ductile cast iron EN-GJS-400-15 EN 1563
8	Spindle	Stainless steel 1.4021 EN 10088-1
9	Body-bonnet gasket	Rubber EPDM or NBR EN ISO 1629
10	O-ring	Rubber EPDM or NBR EN ISO 1629
11	O-ring	Rubber EPDM or NBR EN ISO 1629
12	Screw	Steel Fe/Zn5 stainless steel EN ISO 4762
13	Actuator	Producer catalogue

- other material variants on special request

DN	2901 L	2903 L	H1	H	d	D	K PN16 (PN10)	I PN16 (PN10)	C	f	n PN16 (PN10)	Actuator
[mm]												
40	140	240	219	417	84	150	110	19	19	3	4	60M2L100A0060
50	150	250	229	437	99	165	125	19	19	3	4	60M2L100A0070
65	170	270	257	475	118	185	145	19	19	3	4	60M2L100A0080
80	180	280	282	520	132	200	160	19	19	3	8	60M2L100A0100
100	190	300	319	599	156	220	180	19	19	3	8	60M2L125A0120
125	200	325	358	658	184	250	210	19	19	3	8	60M2L125A0140
150	210	350	434	784	211	285	240	23	19	3	8	40M2L160A0170
200	230	400	509	909	266	340	295	23	20	3	12 (8)	40M2L160A0220
250	250	450	603	1053	319	405	355 (350)	28 (23)	22	3	12	40M2L200A0270
300	270	500	678	1178	370	460	410 (400)	28 (23)	25	4	12	40M2L200A0320
350	290	550	827	1437	429	520	470 (460)	28 (23)	27	4	16	40M2L250A0400
400	310	600	1060	1730	480	580	525 (515)	31 (28)	28	4	16	40M2L320A0450

**Resilient seated gate valve  
with electric actuator flanged**

PN10  
PN16

SEWAGE

WATER



Gate valve DN80



Horizontal and vertical  
double spindle bearing



Replaceable wedge nut



Application of low friction  
sliding element

**Product description (standard execution):**

- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Monolithic ISO top flange
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Application of low friction sliding element
- Wedge nut made of forged brass - replaceable
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Forged packing cork protected against unscrewing
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901, GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2; EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PN10; PN16
- Flange for drive assembly in accordance with ISO 5210
- Face to face according to EN 558-A1 F5 (DIN 3202) – catalogue number 2902
- Face to face according to EN 558-A1 F4 (DIN 3202) – catalogue number 2911
- Product marking according to EN 19; EN 1074

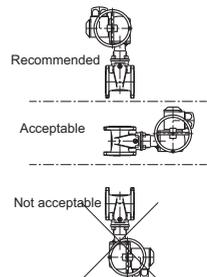
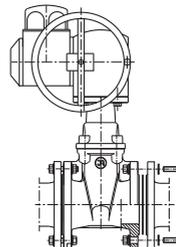
**Application:**

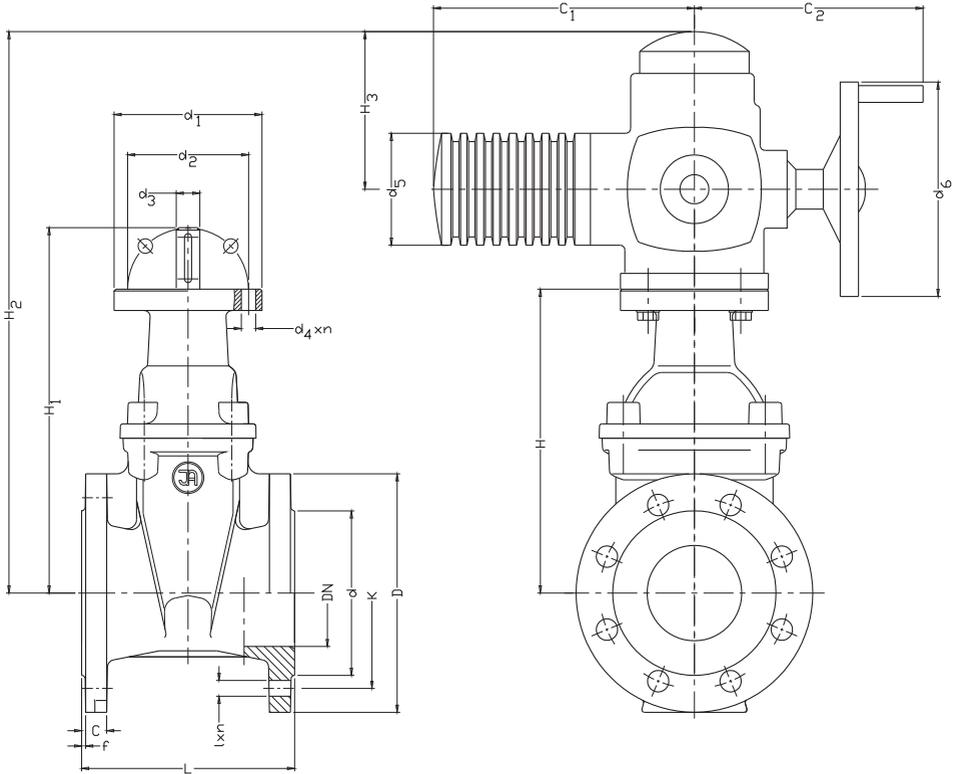
Water and sewage networks and tanks. Transport of non aggressive liquids.  
Working conditions:  
temp. up +70° C  
pressure up to 1,6 MPa

**Test control:**

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 xPN  
Body: 1,5 x PN  
Operation torque test.

**Installation:**





DN	2911 L	2902 L	C	f	D	d	K	I	n	C <sub>1</sub>	C <sub>2</sub>	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub> x n	d <sub>5</sub>	H	H <sub>1</sub>	H <sub>2</sub>	H <sub>3</sub>	AUMA type of flange / Clamping force / number of turns	Weight 2911	Weight 2902			
																								PN16 (PN10)	Saxx.x-Fx / [Nm] / ---	[kg]
40	140	240	19	3	150	84	110	19	4	265	250	90	70	16	9x4	105	160	188	238	461	170	SA 7.2-F7	10-30	11	34	37
50	150	250	19	3	165	99	125	19	4	265	250	90	70	16	9x4	105	160	198	248	471	170	SA 7.2-F7	10-30	13,5	35	38
65	170	270	19	3	185	118	145	19	4	282	256	125	102	20	11x4	125	200	232	283	507	170	SA 7.6-F10	20-60	14	49	52
80	180	280	19	3	200	132	160	19	8	282	256	125	102	20	11x4	125	200	255	307	530	170	SA 7.6-F10	20-60	17	50	54
100	190	300	19	3	220	156	180	19	8	282	256	125	102	20	11x4	125	200	290	346	565	170	SA 7.6-F10	20-60	21	56	59
125	200	325	19	3	250	184	210	19	8	282	256	125	102	20	11x4	125	200	329	385	604	170	SA 10.2-F10	40-120	26	72	80
150	210	350	19	3	285	211	240	23	8	282	256	125	102	20	11x4	125	200	400	457	675	170	SA 10.2-F10	40-120	26	82	89
200	230	400	20	3	340	266	295	23	12 (8)	282	256	125	102	20	11x4	125	200	475	538	750	170	SA 10.2-F10	40-120	34,5	103	118
250	250	450	22	3	405	319	355 (350)	28 (23)	12	385	325	175	140	30	18x4	153	315	560	625	875	180	SA 14.2-F14	100-250	42,5	153	167
300	270	500	25	4	460	370	410 (400)	28 (23)	12	385	325	175	140	30	18x4	153	315	635	700	950	180	SA 14.2-F14	100-250	51	181	208
350	290	550	27	4	520	429	470 (460)	28 (23)	16	385	325	175	140	30	18x4	153	315	720	785	1033	180	SA 14.6-F14	300-500	60	276	314

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

Resilient seated gate valve  
with electric actuator flanged

PN10  
PN16

SEWAGE

WATER



Gate valve DN500

**Product description (standard execution):**

- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Monolithic ISO top flange
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Application of low friction sliding element
- Wedge nut made of forged brass - replaceable
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Forged packing cork protected against unscrewing
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901, GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2; EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PN10; PN16
- Flange for drive assembly in accordance with ISO 5210
- Face to face according to EN 558-A1 F5 (DIN 3202) – catalogue number 2902
- Face to face according to EN 558-A1 F4 (DIN 3202) – catalogue number 2911
- Product marking according to EN 19; EN 1074

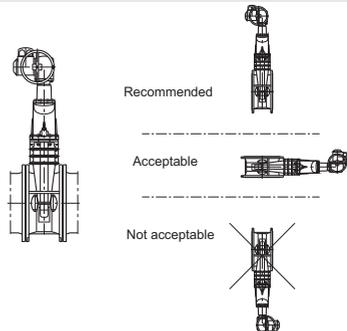
**Application:**

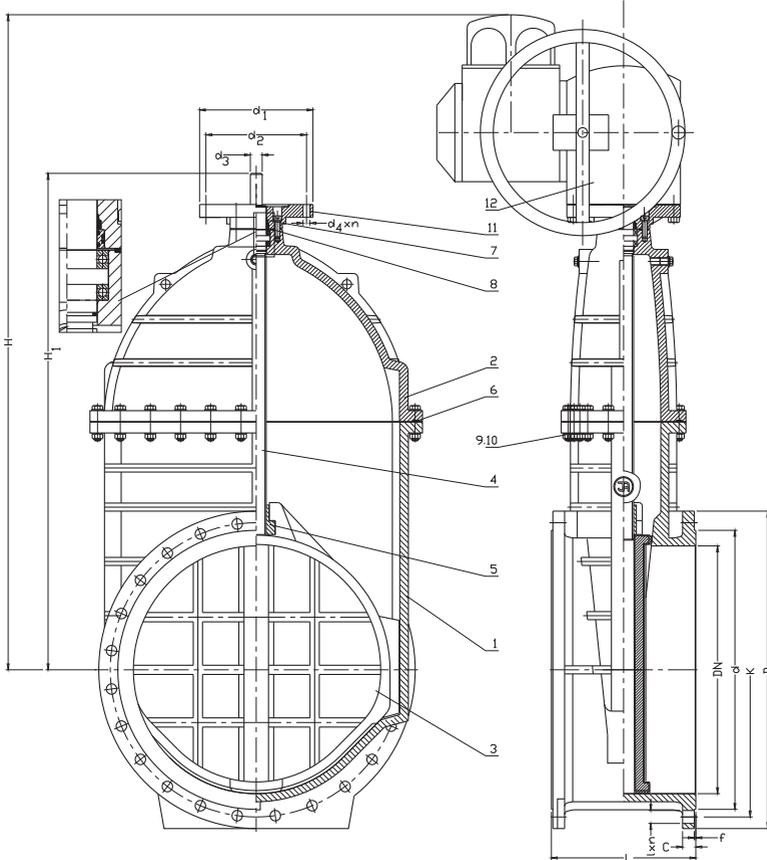
Water and sewage networks and tanks. Transport of non aggressive liquids.  
Working conditions:  
temp. up +70°C  
pressure up to 1,6 MPa

**Test control:**

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 xPN  
Body: 1,5 x PN  
Operation torque test.

**Installation:**





No.	Part	Material	No.	Part	Material
1	Body	Ductile cast iron EN-GJS-400-15, EN-GJS-500-7 EN 1563	7, 8	O-ring	Rubber NBR, EPDM ISO 1629
2	Bonnet	Ductile cast iron EN-GJS-400-15, EN-GJS 500-7 EN 1563	9	Screw	Stainless steel A2 EN ISO 4017
3	Wedge	Ductile cast iron EN-GJS-400-15, EN-GJS 500-7 EN 1563 Rubber NBR, EPDM ISO 1629	10	Screw stopper	Stainless steel A4 EN ISO 4032
4	Spindle	Steel 1.4021 EN 10088-1	11	Washer	Stainless steel A2 EN ISO 7091
5	Spindle nut	Brass CW617N EN 12165	12	Drive connector	Ductile cast iron EN-GJS-400-15, EN-GJS-500-7 EN 1563
6	Cleaning gasket	Rubber NBR, EPDM ISO 1629		Electric actuator	Catalogue producer

DN	2911 L	2902 L	H	H1	d PN16	D PN16 (PN10)	K PN16 (PN10)	I PN16 (PN10)	C	f	n PN16 (PN10)	d1	d2	d3	d4xn	Turns for full open	Weight 2911	Weight 2902
[mm]																	[kg]	
700	430	900	1790	1414	794	910 (895)	840	37 (31)	40	5	24	210	165	50	4xØ22	52	840	960
800	470	1000	1875	1588	901	1025 (1015)	950	40 (34)	43	5	24	210	165	50	4xØ22	52	1160	1320
900	510	1100	2130	1745	1001	1125 (1115)	1050	40 (34)	47	5	28	210	165	50	4xØ22	58	1560	2000
1000	550	1200	2280	1931	1112	1255 (1230)	1170 (1160)	43 (37)	50	5	28	300	254	50	8xØ18	65	3020	3600
1200	630	1400	2725	2375	1328	1485 (1455)	1390 (1380)	49 (41)	57	5	32	300	254	70	8xØ18	78	4600	5000

We reserve the rights to modify the production program and the given data without separate notices due to the permanent company development.

Resilient seated gate valve  
with electric actuator flanged

PN25

SEWAGE

WATER



Gate valve DN80



Horizontal and vertical  
double spindle bearing



Replaceable wedge nut



Application of low friction  
sliding element

### Product description (standard execution):

- Body bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Monolithic ISO top flange
- Full bore gate valve
- NBR/EPDM fully vulcanised wedge
- Application of low friction sliding element
- Wedge nut made of forged brass - replaceable
- Stainless steel spindle with rolled thread
- Low friction double spindle bearing acting both horizontal and vertical way
- O-ring spindle sealing packing cork protected against contact with medium
- Forged packing cork protected against unscrewing
- Body bonnet Zinc coated screws protected by wax
- Epoxy coating minimum 250 microns according to EN 14901, GSK RAL certificate
- Product according to EN 1074-1, EN 1074-2; EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PN25
- Flange for drive assembly in accordance with ISO 5210
- Face to face according to EN 558-A1 F5 (DIN 3202) – catalogue number 2902
- Face to face according to EN 558-A1 F4 (DIN 3202) – catalogue number 2911
- Product marking according to EN 19; EN 1074

### Application:

Water and sewage networks and tanks. Transport of non aggressive liquids.  
Working conditions:  
temp. up +70° C  
pressure up to 1,6 MPa

### Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 x PN  
Body: 1,5 x PN  
Operation torque test.

### Installation:

