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Gate Valves

Complete Solutions for Water Industry



NEWAY VALVE

Cat.no.: E-GV-2025

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Size: DN40-1200

Product description

Resilient gate valve for drinking water, cooling water, waste water and other neutral fluids

Design standards

- EN 1074 part 1 & 2, EN1171

Pressure rating

- PN16
- PN10/25(option available)

Face-to-face dimension

- EN 558, DIN 3202, ISO5752 Series 15, ASME B16.10, AS 2638

Flange drilling

- EN1092-2 PN10/16/25, ASME B 16.1/16.42 CL125/CL150, AS4087, ASME B16.47/16.5

Test

- EN 12266, API 598
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar)
- Torque test

Design temperature(for ductile iron)

- 0-80°C

Approvals

- WRAS

Features

- Elastomer-coated wedge
- Low operating torque due to the wedge shoes in PA and guide rails on the body
- Maintenance-free and corrosion-resistant stem sealing
- With five O-ring and one U-ring sealing
- Counterbored, stainless steel bonnet bolts, sealed with hot-melt and encircled by the bonnet gasket for optimum corrosion protection
- Suitable for vacuum of up to 90%
- Full bore
- Fusion bonded epoxy coating inside and outside

Accessories

- Stem cap
- T-key
- Handwheel
- Gearbox
- Actuator (Electric, Pneumatic)
- Extension spindle
- Flange adaptor and combi-flange
- Position indicator

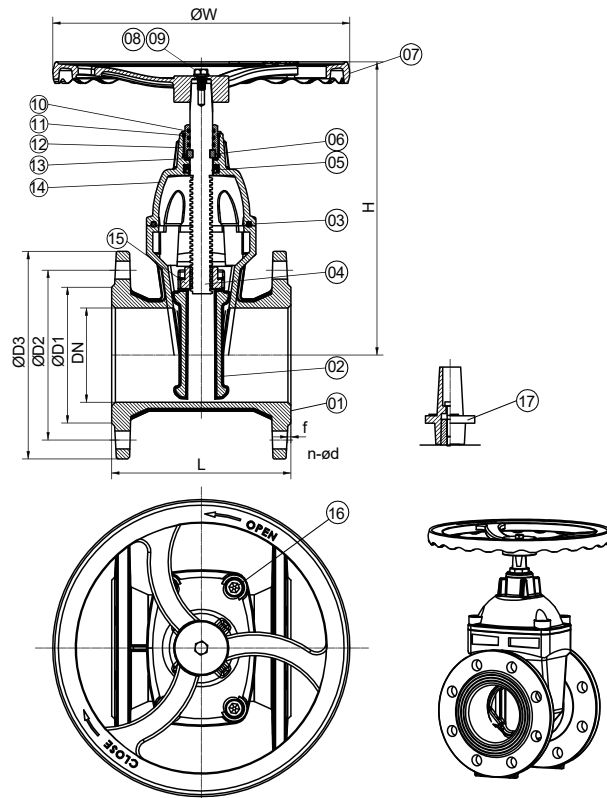
Main application

- Water supply systems
- Installation in plants
- Underground installation



GNS Series -“GRN” Non-Rising Stem Resilient Gate Valve

Size: DN40-300



Part List		
Item	Part Name	Material
1	Body	DUCTILE IRON
2	Disc	DUCTILE IRON+EPDM
3	Bonnet Gasket	EPDM
4	Stem	ASTM A959 420
5	U Ring	EPDM
6	Holding Ring	CuZn39Pb1
7	Handwheel	DUCTILE IRON
8	Bolts	ISO 3506 A2-70
9	Washers	ASTM A240 304
10	O Ring	EPDM
11	O Ring	EPDM
12	Thrust Nut	CuZn39Pb1
13	Thrust Washer	ISO 9988-1
14	Bonnet	DUCTILE IRON
15	Stem Nut	CuZn39Pb1
16	Bolts	ISO 3506 A2-70
17	Square Cap	DUCTILE IRON

Note: Carbon steel, Stainless steel, DSS, SDSS for optional

DN	FLANGE STANDARD-EN1092-2-PN6											
	D1	D2	D3	f	n-ød	L					H	W
						BS5163	DIN-F4	DIN-F5	ASME B16.10	AS2638		
40	78	100	130	3	4-ø14	165	140	240	-	-	220	200
50	88	110	140	3	4-ø14	178	150	250	178	-	220	200
65	108	130	160	3	4-ø14	190	170	270	190	-	255	200
80	124	150	190	3	4-ø19	203	180	280	203	203	280	250
100	144	170	210	3	4-ø19	229	190	300	229	229	310	250
125	174	200	240	3	8-ø19	254	200	325	254	-	350	315
150	199	225	265	3	8-ø19	267	210	350	267	267	400	315
200	254	280	320	3	8-ø19	292	230	400	292	292	500	315
250	309	335	375	3	12-ø19	330	250	450	330	330	620	400
300	363	395	440	4	12-ø23	356	270	500	356	356	700	400

DN	FLANGE STANDARD-EN1092-2-PN10											
	D1	D2	D3	f	n-ød	L					H	W
						BS5163	DIN-F4	DIN-F5	ASME B16.10	AS2638		
40	84	110	150	3	4-ø19	165	140	240	-	-	220	200
50	99	125	165	3	4-ø19	178	150	250	178	-	220	200
65	118	145	185	3	4-ø19	190	170	270	190	-	255	200
80	132	160	200	3	8-ø19	203	180	280	203	203	280	250
100	156	180	220	3	8-ø19	229	190	300	229	229	310	250
125	184	210	250	3	8-ø19	254	200	325	254	-	350	315
150	211	240	285	3	8-ø23	267	210	350	267	267	400	315
200	266	295	340	3	8-ø23	292	230	400	292	292	500	315
250	319	350	395	3	12-ø23	330	250	450	330	330	620	400
300	370	400	445	4	12-ø23	356	270	500	356	356	700	400

NOTE:* Values are for reference only

GNS Series - "GRN" Non-Rising Stem Resilient Gate Valve

DN	FLANGE STANDARD-EN1092-2-PN16											
	D1	D2	D3	f	n-ød	L					H	W
						BS5163	DIN-F4	DIN-F5	ASME B16.10	AS2638		
40	84	110	150	3	4-ø19	165	140	240	-	-	220	200
50	99	125	165	3	4-ø19	178	150	250	178	-	220	200
65	118	145	185	3	4-ø19	190	170	270	190	-	255	200
80	132	160	200	3	8-ø19	203	180	280	203	203	280	250
100	156	180	220	3	8-ø19	229	190	300	229	229	310	250
125	184	210	250	3	8-ø19	254	200	325	254	-	350	315
150	211	240	285	3	8-ø23	267	210	350	267	267	400	315
200	266	295	340	3	12-ø23	292	230	400	292	292	500	315
250	319	355	405	3	12-ø28	330	250	450	330	330	620	400
300	370	410	460	4	12-ø28	356	270	500	356	356	700	400

NOTE:* Values are for reference only

DN	FLANGE STANDARD-EN1092-2-PN25									
	D1	D2	D3	f	n-ød	L			H	W
						BS5163	DIN-F4	DIN-F5		
40	84	110	150	3	4-ø19	-	-	-	-	-
50	99	125	165	3	4-ø19	178	150	250	220	200
65	118	145	185	3	8-ø19	190	170	270	260	200
80	132	160	200	3	8-ø19	203	180	280	310	250
100	156	190	230	3	8-ø23	229	190	300	350	250
125	184	220	270	3	8-ø28	254	200	325	400	315
150	211	250	300	3	8-ø28	267	210	350	460	315
200	274	310	360	3	12-ø28	292	230	400	530	315
250	330	370	425	3	12-ø31	330	250	450	640	400
300	389	430	485	4	16-ø31	356	270	500	710	400

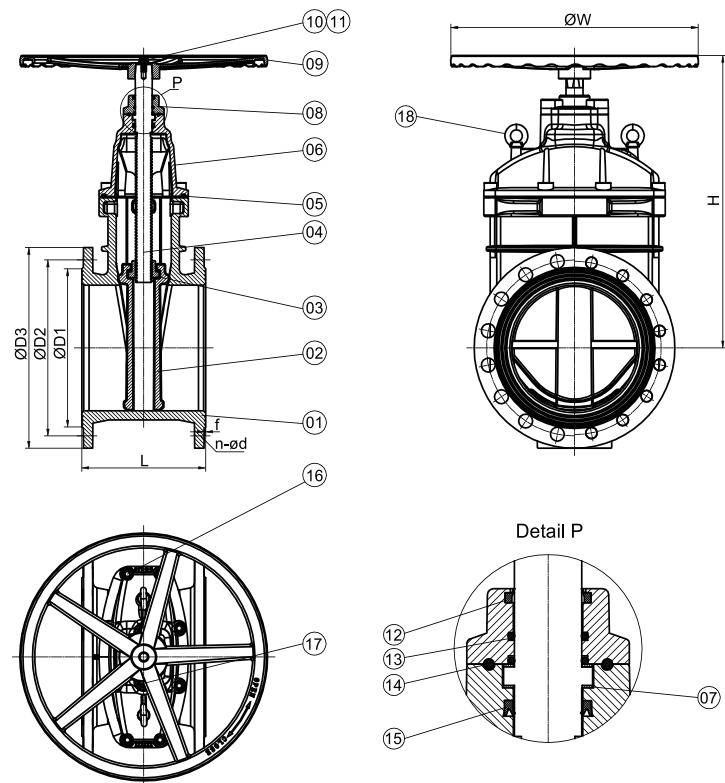
NOTE:* Values are for reference only

DN	FLANGE STANDARD-ASME B16.1/ B16.47/ B16.5 CL125/150										
	D1	D2	D3	n-ød	L					H	W
					BS5163	DIN-F4	DIN-F5	ASME B16.10	AS2638		
40	73	98.4	127	4-ød16	165	140	240	-	-	220	200
50	92	120.7	152	4-ød19	178	150	250	178	-	220	200
65	105	139.7	178	4-ød19	190	170	270	190	-	255	200
80	127	152.4	191	4-ød19	203	180	280	203	203	280	250
100	157	190.5	229	8-ød19	229	190	300	229	229	310	250
125	186	215.9	254	8-ød22	254	200	325	254	-	350	315
150	216	241.3	279	8-ød22	267	210	350	267	267	400	315
200	270	298.4	343	8-ød22	292	230	400	292	292	500	315
250	324	362	406	12-ød25	330	250	450	330	330	620	400
300	381	431.8	483	12-ød25	356	270	500	356	356	700	400

NOTE:* Values are for reference only

GNS Series -“GRN” Non-Rising Stem Resilient Gate Valve

Size: DN350-1200



Part List		
Item	Part Name	Material
1	Body	DUCTILE IRON
2	Disc	DUCTILE IRON+EPDM
3	Stem Nut	CuZn39Pb1
4	Stem	ASTM A959 420
5	Bonnet Gasket	EPDM
6	Bonnet	DUCTILE IRON
7	Thrust Washer	CuZn39Pb1
8	Gland	DUCTILE IRON
9	Handwheel	DUCTILE IRON
10	Bolts	ISO 3506 A2-70
11	Washers	ASTM A240 304
12	Dust Ring	EPDM
13	O Ring	EPDM
14	O Ring	EPDM
15	Sealing Ring	EPDM
16	Bolts	ISO 3506 A2-70
17	Bolts	ISO 3506 A2-70
18	Lifting Eyebolts	ISO 3506 A2-70

Note: Carbon steel, Stainless steel, DSS, SDSS for optional

DN	FLANGE STANDARD-EN1092-2-PN6											
	D1	D2	D3	f	n-ød	L					H	W
						BS5163	DIN-F4	DIN-F5	ASME B16.10	AS2638		
350	413	445	490	4	12-ø23	381	290	550	381	381	820	500
400	463	495	540	4	16-ø23	406	310	600	406	406	900	500
450	518	550	595	4	16-ø23	432	330	650	432	432	990	500
500	568	600	645	4	20-ø23	457	350	700	457	457	1070	650
600	667	705	755	5	20-ø26	508	390	800	508	508	1160	650
700	772	810	860	5	24-ø26	610	430	900	-	610	1440	-
800	878	920	975	5	24-ø31	660	470	1000	-	-	1640	-
900	978	1020	1075	5	24-ø31	711	510	1100	-	-	1699	-
1000	1078	1120	1175	5	28-ø31	813	550	1200	-	-	1860	-
1200	1295	1340	1405	5	32-ø34	-	630	-	-	-	1959	-

DN	FLANGE STANDARD-EN1092-2-PN10											
	D1	D2	D3	f	n-ød	L					H	W
						BS5163	DIN-F4	DIN-F5	ASME B16.10	AS2638		
350	429	460	505	4	16-ø23	381	290	550	381	381	820	500
400	480	515	565	4	16-ø28	406	310	600	406	406	900	500
450	530	565	615	4	20-ø28	432	330	650	432	432	990	500
500	582	620	670	4	20-ø28	457	350	700	457	457	1070	650
600	682	725	780	5	20-ø31	508	390	800	508	508	1160	650
700	794	840	895	5	24-ø31	610	430	900	-	610	1440	-
800	901	950	1015	5	24-ø34	660	470	1000	-	-	1640	-
900	1001	1050	1115	5	28-ø34	711	510	1100	-	-	1699	-
1000	1112	1160	1230	5	28-ø37	813	550	1200	-	-	1860	-
1200	1328	1380	1455	5	32-ø41	-	630	-	-	-	1959	-
NOTE:* Values are for reference only												

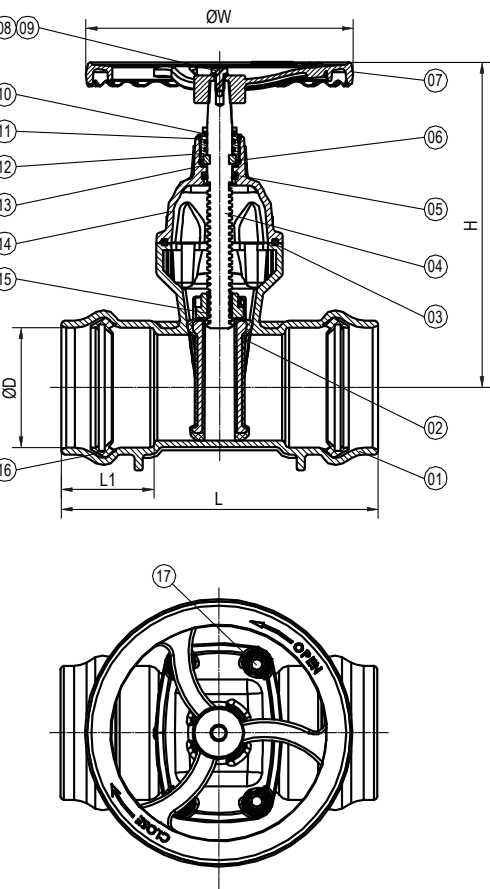
GNS Series -“GRN” Non-Rising Stem Resilient Gate Valve

DN	FLANGE STANDARD-EN1092-2-PN16											
	D1	D2	D3	f	n-ød	L					H	W
						BS5163	DIN-F4	DIN-F5	ASME B16.10	AS2638		
350	429	470	520	4	16-ø28	381	290	550	381	381	820	500
400	480	525	580	4	16-ø31	406	310	600	406	406	900	500
450	548	585	640	4	20-ø31	432	330	650	432	432	990	500
500	609	650	715	4	20-ø34	457	350	700	457	457	1070	650
600	720	770	840	5	20-ø37	508	390	800	508	508	1160	650
700	794	840	910	5	24-ø37	610	430	900	-	610	1440	-
750	-	-	-	-	-	610	-	-	-	610	1521	-
800	901	950	1025	5	24-ø41	660	470	1000	-	-	1640	-
900	1001	1050	1125	5	28-ø41	711	510	1100	-	-	1699	-
1000	1112	1170	1255	5	28-ø44	813	550	1200	-	-	1860	-
1200	1328	1390	1485	5	32-ø50	-	630	-	-	-	1959	-
NOTE:* Values are for reference only												

DN	FLANGE STANDARD-EN1092-2-PN25											
	D1	D2	D3	f	n-ød	L					H	W
						BS5163	DIN-F4	DIN-F5	ASME B16.10	AS2638		
350	448	490	555	4	16-ø34	381	290	550	381	381	820	500
400	503	550	620	4	16-ø37	406	310	600	406	406	900	500
450	548	600	670	4	20-ø37	432	330	650	432	432	990	500
500	609	660	730	4	20-ø37	457	350	700	457	457	1070	650
600	720	770	845	5	20-ø41	508	390	800	508	508	1160	650
700	820	875	960	5	24-ø44	610	430	900	-	610	1440	-
750	-	-	-	-	-	610	-	-	-	610	1521	-
800	928	990	1085	5	24-ø50	660	470	1000	-	-	1640	-
900	1028	1090	1185	5	28-ø50	711	510	1100	-	-	1699	-
1000	1140	1210	1320	5	28-ø57	813	550	1200	-	-	1860	-
1200	1350	1420	1530	5	32-ø57	-	630	-	-	-	1959	-
NOTE: * Values are for reference only												

DN	FLANGE STANDARD-ASME B16.1/ B16.47/ B16.5 CL125/150										
	D1	D2	D3	n-ød	L					H	W
					BS5163	DIN-F4	DIN-F5	ASME B16.10	AS2638		
350	413	476.2	533	12-ø29	381	290	550	381	381	820	500
400	470	539.8	597	16-ø29	406	310	600	406	406	900	500
450	533	577.8	635	16-ø32	432	330	650	432	432	990	500
500	584	635	698	20-ø32	457	350	700	457	457	1070	650
600	692	749.3	813	20-ø35	508	390	800	508	508	1160	650
700	800	836.3	927	28-ø35	610	430	900	-	610	1440	-
750	857	914.4	984	28-ø35	610	-	-	-	610	1521	-
800	914	977.9	1060	28-ø41	660	470	1000	-	-	1640	-
900	1022	1085.8	1168	32-ø41	711	510	1100	-	-	1699	-
1000	1124	1200.2	1289	36-ø41	813	550	1200	-	-	1860	-
1200	1359	1422.4	1511	44-ø41	-	630	-	-	-	1959	-

GNS Series -Socket End Non-Rising Stem Resilient Gate Valve For PVC Pipe



Part List		
Item	Part Name	Material
1	Body	DUCTILE IRON
2	Disc	DUCTILE IRON+EPDM
3	Bonnet Gasket	EPDM
4	Stem	ASTM A959 420
5	U Ring	EPDM
6	Holding Ring	CuZn39Pb1
7	Handwheel	DUCTILE IRON
8	Bolts	ISO 3506 A2-70
9	Washers	ASTM A240 304
10	O Ring	EPDM
11	O Ring	EPDM
12	Thrust Nut	CuZn39Pb1
13	Thrust Washer	CuZn39Pb1
14	Bonnet	DUCTILE IRON
15	Stem Nut	CuZn39Pb1
16	Rubber Ring	EPDM
17	Bolts	ISO 3506 A2-70

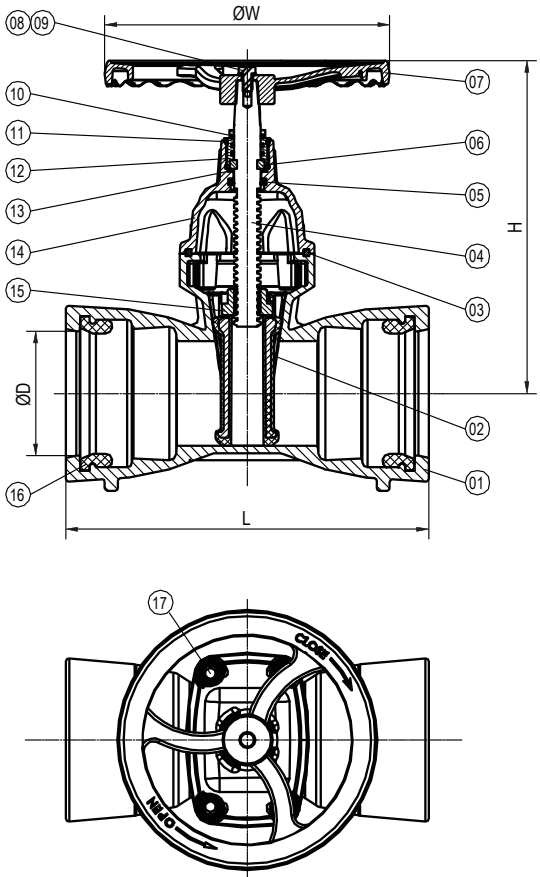
Note: Carbon steel, Stainless steel, DSS, SDSS for optional

Dimensions: PN6/10/16 CL125/150

DN	Outline mm					
	L					PVC Tube
	L	L1*	H*	W	D	
50	250	77	215	200	62.5/66.5	60/63
65	270	80	250	200	78.5	75
80	280	84	270	250	87.5/93.5	85/90
100	300	88	310	250	113	110
125	325	90	348	315	128	125
150	350	94	390	315	165	160
200	400/450	100/135	505	315	204/229	200/225
250	450	130	615	400	253.5	250
300	500	140	705	400	319	315

NOTE: * Values are for reference only

GNS Series -Socket End Non-Rising Stem Resilient Gate Valve For DI Pipe



Part List		
Item	Part Name	Material
1	Body	DUCTILE IRON
2	Disc	DUCTILE IRON+EPDM
3	Bonnet Gasket	EPDM
4	Stem	ASTM A959 420
5	U Ring	EPDM
6	Holding Ring	CuZn39Pb1
7	Handwheel	DUCTILE IRON
8	Bolts	ISO 3506 A2-70
9	Washers	ASTM A240 304
10	O Ring	EPDM
11	O Ring	EPDM
12	Thrust Nut	CuZn39Pb1
13	Thrust Washer	CuZn39Pb1
14	Bonnet	DUCTILE IRON
15	Stem Nut	CuZn39Pb1
16	Rubber Ring	EPDM
17	Bolts	ISO 3506 A2-70

Note: Carbon steel, Stainless steel, DSS, SDSS for optional

Dimensions: PN6/10/16 CL125/150

DN	Outline mm				
	L				PVC Tube
	L	H*	W	D	
50	250	215	200	70.5	66
75	280	265	250	95	92
100	306	370	250	120	118
150	337	450	315	172.5	170
200	355	550	315	224.5	222
250	390	645	400	276	274
300	440	730	400	328.5	326

NOTE: * Values are for reference only

G Series -“GRO” OS&Y Resilient Gate Valve

Size: DN40-1200

Product description

Resilient gate valve for drinking water, cooling water, waste water and other neutral fluids

Design standards

- EN 1074 part 1 & 2, EN1171

Pressure rating

- PN16
- PN10/25(option available)

Face-to-face dimension

- EN 558, DIN 3202, ASME B16.10, AS 2638

Flange drilling

- EN1092-2 PN10/16/25, ASME B 16.1/16.42 CL125/CL150, ASME B16.47/16.5

Test

- EN 12266, API 598
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar)
- Torque test

Design temperature(for ductile iron)

- 0-80°C

Approvals

- WRAS

Features

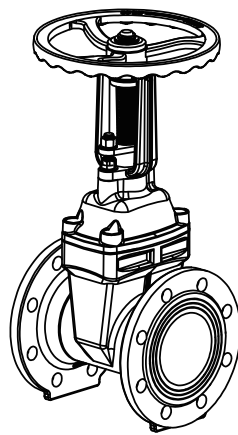
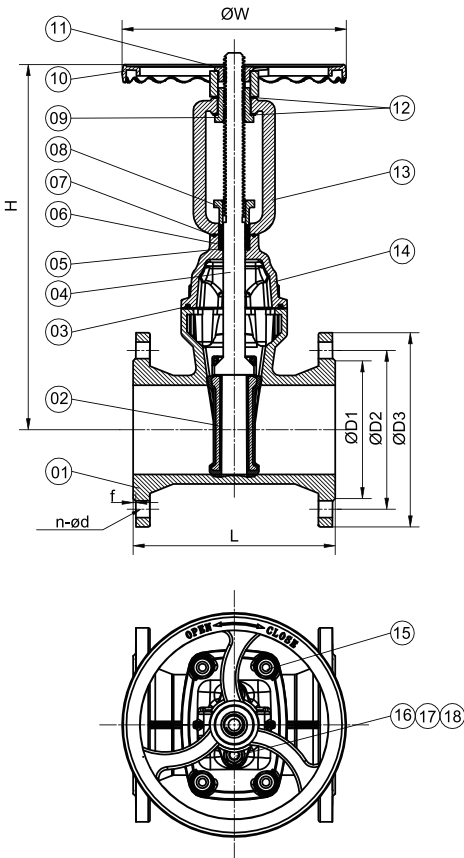
- Elastomer-coated wedge
- Low operating torque due to the wedge shoes in PA and guide rails on the body
- Maintenance-free and corrosion-resistant stem sealing
- With five O-ring and one U-ring sealing
- Stainless steel stem with rolled threads for high strength
- OS&Y stem arrangement gives from a distance a clear, visual indication of the valve's open/close state
- Suitable for vacuum of up to 90%
- Full bore
- Fusion bonded epoxy coating inside and outside

Accessories

- Handwheel
- Gearbox
- Actuator (Electric, Pneumatic)
- Extension spindle
- Flange adaptor and combi-flange
- Position indicator

Main application

- Water supply systems
- Installation in plants



G Series -“GRO” OS&Y Resilient Gate Valve

Part List

Item	Part Name	Material
1	Body	DUCTILE IRON
2	Disc	DUCTILE IRON+EPDM
3	Bonnet Gasket	EPDM
4	Stem	ASTM A959 420
5	O Ring	EPDM
6	Sealing Washer	POM
7	O Ring	EPDM
8	Gland	DUCTILE IRON
9	Lower Stem Mut	CuZn39Pb1
10	Handwheel	DUCTILE IRON
11	Upper Stem Mut	CuZn39Pb1
12	Anti Friction Pad	CuZn39Pb1
13	Support	DUCTILE IRON
14	Bonnet	DUCTILE IRON
15	Screw	ISO 3506 A2-70
16	Stud	ISO 3506 A2-70
17	Washer	ASTM A240 304
18	Nut	ISO 3506 A2-70

Note: Carbon steel, Stainless steel, DSS, SDSS for optional

FLANGE STANDARD-EN1092-2-PN10

DN	D1	D2	D3	f	n-ød	L			H	W
						BS5163	DIN-F4	DIN-F5		
40	84	110	150	3	4-ø19	165	140	240	320	200
50	99	125	165	3	4-ø19	178	150	250	315	200
65	118	145	185	3	4-ø19	190	170	270	325	200
80	132	160	200	3	8-ø19	203	180	280	355	200
100	156	180	220	3	8-ø19	229	190	300	415	254
125	184	210	250	3	8-ø19	254	200	325	490	315
150	211	240	285	3	8-ø23	267	210	350	550	315
200	266	295	340	3	8-ø23	292	230	400	670	315
250	319	350	395	3	12-ø23	330	250	450	845	406
300	370	400	445	4	12-ø23	356	270	500	1100	406
350	429	460	505	4	16-ø23	381	290	550	1199	500
400	480	515	565	4	16-ø28	406	310	600	1322	500
450	530	565	615	4	20-ø28	432	330	650	1638	500
500	582	620	670	4	20-ø28	457	350	700	1638	650
600	682	725	780	5	20-ø31	508	390	800	-	650
700	794	840	895	5	24-ø31	610	430	900	-	-
800	901	950	1015	5	24-ø34	660	470	1000	-	-
900	1001	1050	1115	5	28-ø34	711	510	1100	-	-
1000	1112	1160	1230	5	28-ø37	813	550	1200	-	-
1200	1328	1380	1455	5	32-ø41	-	630	-	-	-

NOTE: * Values are for reference only



G Series -“GRO” OS&Y Resilient Gate Valve



DN	FLANGE STANDARD-EN1092-2-PN16									
	D1	D2	D3	f	n-ød	L			H	W
						BS5163	DIN-F4	DIN-F5		
40	84	110	150	3	4-ø19	165	140	240	320	200
50	99	125	165	3	4-ø19	178	150	250	315	200
65	118	145	185	3	4-ø19	190	170	270	325	200
80	132	160	200	3	8-ø19	203	180	280	355	200
100	156	180	220	3	8-ø19	229	190	300	415	254
125	184	210	250	3	8-ø19	254	200	325	490	315
150	211	240	285	3	8-ø23	267	210	350	550	315
200	266	295	340	3	12-ø23	292	230	400	670	315
250	319	355	405	3	12-ø28	330	250	450	845	406
300	370	410	460	4	12-ø28	356	270	500	1100	406
350	429	470	520	4	16-ø28	381	290	550	1199	500
400	480	525	580	4	16-ø31	406	310	600	1322	500
450	548	585	640	4	20-ø31	432	330	650	1638	500
500	609	650	715	4	20-ø34	457	350	700	1638	650
600	720	770	840	5	20-ø37	508	390	800	-	650
700	794	840	910	5	24-ø37	610	430	900	-	-
800	901	950	1025	5	24-ø41	660	470	1000	-	-
900	1001	1050	1125	5	28-ø41	711	510	1100	-	-
1000	1112	1170	1255	5	28-ø44	813	550	1200	-	-
1200	1328	1390	1485	5	32-ø50	-	630	-		-

DN	FLANGE STANDARD-EN1092-2-PN25									
	D1	D2	D3	f	n-ød	L			H	W
						BS5163	DIN-F4	DIN-F5		
40	84	110	150	3	4-ø19	165	140	240	320	200
50	99	125	165	3	4-ø19	178	150	250	315	200
65	118	145	185	3	8-ø19	190	170	270	325	200
80	132	160	200	3	8-ø19	203	180	280	355	200
100	156	190	230	3	8-ø23	229	190	300	415	254
125	184	220	270	3	8-ø28	254	200	325	490	315
150	211	250	300	3	8-ø28	267	210	350	550	315
200	274	310	360	3	12-ø28	292	230	400	670	315
250	330	370	425	3	12-ø31	330	250	450	845	406
300	389	430	485	4	16-ø31	356	270	500	1100	406
350	448	490	555	4	16-ø34	381	290	550	1199	500
400	503	550	620	4	16-ø37	406	310	600	1322	500
450	548	600	670	4	20-ø37	432	330	650	1638	500
500	609	660	730	4	20-ø37	457	350	700	1638	650
600	720	770	845	5	20-ø41	508	390	800	-	650
700	820	875	960	5	24-ø44	610	430	900	-	-
800	928	990	1085	5	24-ø50	660	470	1000	-	-
900	1028	1090	1185	5	28-ø50	711	510	1100	-	-
1000	1140	1210	1320	5	28-ø57	813	550	1200	-	-
1200	1350	1420	1530	5	32-ø57	-	630	-		-



G Series -“GRO” OS&Y Resilient Gate Valve



DN	FLANGE STANDARD-ASME B16.1 CL125								
	D1	D2	D3	n-ød	L			H	W
					BS5163	DIN-F4	DIN-F5		
40	-	98.4	127	4-ø16	165	140	240	320	200
50	-	120.7	152	4-ø19	178	150	250	315	200
65	-	139.7	178	4-ø19	190	170	270	325	200
80	-	152.4	191	4-ø19	203	180	280	355	200
100	-	190.5	229	8-ø19	229	190	300	415	254
125	-	215.9	254	8-ø22	254	200	325	490	315
150	-	241.3	279	8-ø22	267	210	350	550	315
200	-	298.4	343	8-ø22	292	230	400	670	315
250	-	362	406	12-ø25	330	250	450	845	406
300	-	431.8	483	12-ø25	356	270	500	1100	406
350	-	476.2	533	12-ø29	381	290	550	1199	500
400	-	539.8	597	16-ø29	406	310	600	1322	500
450	-	577.8	635	16-ø32	432	330	650	1638	500
500	-	635	698	20-ø32	457	350	700	1638	650
600	-	749.3	813	20-ø35	508	390	800	-	650
700	-	-	-	-	610	430	900	-	-
800	-	-	-	-	660	470	1000	-	-
900	-	1085.8	1168	32-ø41	711	510	1100	-	-
1000	-	-	-	-	813	550	1200	-	-
1200	-	1422.4	1511	44-ø41	-	630	-		-

DN	FLANGE STANDARD-ASME B16.47/B16.5 CL150								
	D1	D2	D3	n-ød	L			H	W
					BS5163	DIN-F4	DIN-F5		
40	73	98.4	127	4-ø16	165	140	240	320	200
50	92	120.7	152	4-ø19	178	150	250	315	200
65	105	139.7	178	4-ø19	190	170	270	325	200
80	127	152.4	191	4-ø19	203	180	280	355	200
100	157	190.5	229	8-ø19	229	190	300	415	254
125	186	215.9	254	8-ø22	254	200	325	490	315
150	216	241.3	279	8-ø22	267	210	350	550	315
200	270	298.4	343	8-ø22	292	230	400	670	315
250	324	362	406	12-ø25	330	250	450	845	406
300	381	431.8	483	12-ø25	356	270	500	1100	406
350	413	476.2	533	12-ø29	381	290	550	1199	500
400	470	539.8	597	16-ø29	406	310	600	1322	500
450	533	577.8	635	16-ø32	432	330	650	1638	500
500	584	635	698	20-ø32	457	350	700	1638	650
600	692	749.3	813	20-ø35	508	390	800	-	650
700	800	863.6	927	28-ø35	610	430	900	-	-
800	914	977.9	1060	28-ø41	660	470	1000	-	-
900	1022	1085.8	1168	32-ø41	711	510	1100	-	-
1000	1124	1200.2	1289	36-ø41	813	550	1200	-	-
1200	1359	1422.4	1511	44-ø41	-	630	-		-

GNS Series -“GSN” Non-Rising Stem Metal Seated Gate Valve

Size: DN40-1200

Product description

Metal seated gate valves with non-rising stem, used for drinking water, cooling water, waste water and other neutral fluids

Design standards

- EN 1074 part 1 & 2, EN1171

Pressure rating

- PN16
- PN10/25(option available)

Face-to-face dimension

- EN 558, DIN 3202

Flange drilling

- EN1092-2 PN10/16/25, ASME B 16.1/16.42 CL125/CL150, ASME B16.47/16.5

Test

- EN 12266, API 598
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar)

Design temperature(for ductile iron)

- 0-230°C

Features

- High strength alu-bronze or stainless steel valve seat
- Metal faces machined to a high finish for optimum contact and minimum leakage
- Separate and independent O-ring stem seals
- Lifting eyes for easy handling
- Stem thread inside
- Fusion bonded epoxy coating inside and outside

Accessories

- By-pass valve
- Handwheel
- Gearbox
- Actuator (Electric, Pneumatic)
- Extension spindle
- Actuator

Main application

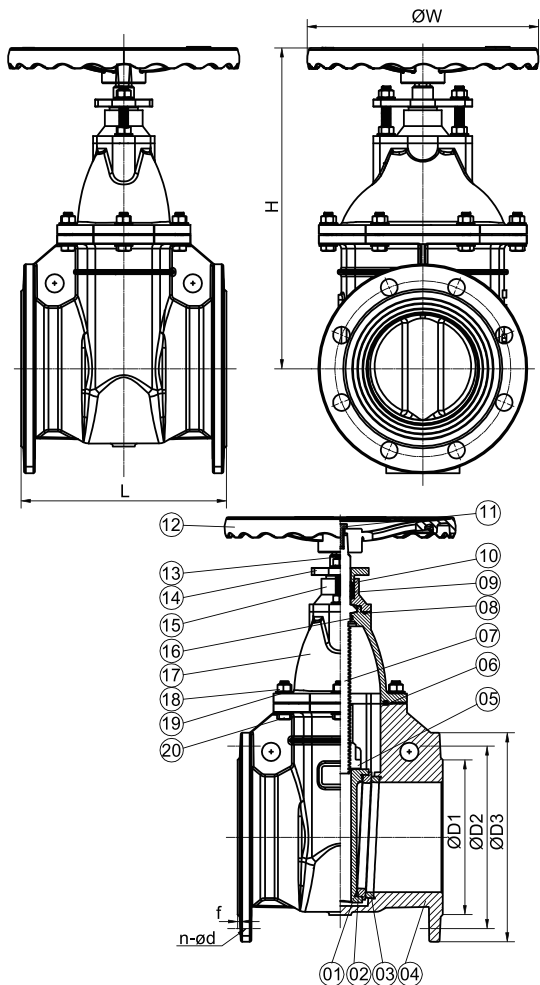
- Water supply systems
- Installation in plants
- underground installation



Approvals

- WRAS

GNS Series -“GSN” Non-Rising Stem Metal Seated Gate Valve



Part List		
Item	Part Name	Material
1	Disc	DUCTILE IRON
2	Disc Sealing Ring	BRASS/304SS
3	Body Sealing Ring	BRASS/304SS
4	Body	DUCTILE IRON
5	Stem Nut	CuZn39Pb1
6	Bonnet Gasket	EPDM
7	Stem	ASTM A959 420
8	O Ring	EPDM
9	O Ring	EPDM
10	Sealing Gasket	EPDM
11	Bolts	ISO 3506 A2-70
12	Handwheel	DUCTILE IRON
13	Studs	ISO 3506 A2-70
14	Gland	DUCTILE IRON
15	Packing Box	DUCTILE IRON
16	O Ring	EPDM
17	Bonnet	DUCTILE IRON
18	Bolts	ISO 3506 A2-70
19	Washer	ASTM A240 304
20	Nut	ISO 3506 A2-70

Note: Carbon steel, Stainless steel, DSS, SDSS for optional

DN	FLANGE STANDARD-EN1092-2-PN10										H	W
	D1	D2	D3	f	n-ød	L						
						BS5163	DIN-F4	DIN-F5	AWWA			
50	99	125	165	3	4-ø19	178	150	250	178	214	200	
65	118	145	185	3	4-ø19	190	170	270	190	223	200	
80	132	160	200	3	8-ø19	203	180	280	203	262	254	
100	156	180	220	3	8-ø19	229	190	300	229	323	254	
125	184	210	250	3	8-ø19	254	200	325	254	380	315	
150	211	240	285	3	8-ø23	267	210	350	267	438	315	
200	266	295	340	3	8-ø23	292	230	400	292	518	315	
250	319	350	395	3	12-ø23	330	250	450	330	615	406	
300	370	400	445	4	12-ø23	356	270	500	356	705	406	
350	429	460	505	4	16-ø23	381	290	550	381	809	500	
400	480	515	565	4	16-ø28	406	310	600	406	927	500	
450	530	565	615	4	20-ø28	432	330	650	432	1011	500	
500	582	620	670	4	20-ø28	457	350	700	457	1143	650	
600	682	725	780	5	20-ø31	508	390	800	508	1319	650	

NOTE:* Values are for reference only

DN	FLANGE STANDARD-EN1092-2-PN16										
	D1	D2	D3	f	n-ød	L				H	W
						BS5163	DIN-F4	DIN-F5	AWWA		
50	99	125	165	3	4-ø19	178	150	250	178	214	200
65	118	145	185	3	4-ø19	190	170	270	190	223	200
80	132	160	200	3	8-ø19	203	180	280	203	262	254
100	156	180	220	3	8-ø19	229	190	300	229	323	254
125	184	210	250	3	8-ø19	254	200	325	254	380	315
150	211	240	285	3	8-ø23	267	210	350	267	438	315
200	266	295	340	3	8-ø23	292	230	400	292	518	315
250	319	350	395	3	12-ø23	330	250	450	330	615	406
300	370	400	445	4	12-ø23	356	270	500	356	705	406
350	429	460	505	4	16-ø23	381	290	550	381	809	500
400	480	515	565	4	16-ø28	406	310	600	406	927	500
450	530	565	615	4	20-ø28	432	330	650	432	1011	500
500	582	620	670	4	20-ø28	457	350	700	457	1143	650
600	682	725	780	5	20-ø31	508	390	800	508	1319	650
NOTE:* Values are for reference only											

DN	FLANGE STANDARD-EN1092-2-PN25										
	D1	D2	D3	f	n-ød	L				H	W
						BS5163	DIN-F4	DIN-F5	AWWA		
50	99	125	165	3	4-ø19	178	150	250	178	214	200
65	118	145	185	3	8-ø19	190	170	270	190	223	200
80	132	160	200	3	8-ø19	203	180	280	203	262	254
100	156	190	230	3	8-ø23	229	190	300	229	323	254
125	184	220	270	3	8-ø28	254	200	325	254	380	315
150	211	250	300	3	8-ø28	267	210	350	267	438	315
200	274	310	360	3	12-ø28	292	230	400	292	518	315
250	330	370	425	3	12-ø31	330	250	450	330	615	406
300	389	430	485	4	16-ø31	356	270	500	356	705	406
350	448	490	555	4	16-ø34	381	290	550	381	809	500
400	503	550	620	4	16-ø37	406	310	600	406	927	500
450	548	600	670	4	20-ø37	432	330	650	432	1011	500
500	609	660	730	4	20-ø37	457	350	700	457	1143	650
600	720	770	845	5	20-ø41	508	390	800	508	1319	650
NOTE:* Values are for reference only											

DN	FLANGE STANDARD-ASME B16.1 CL125									
	D1	D2	D3	n-ød	L				H	W
					BS5163	DIN-F4	DIN-F5	AWWA		
50	-	120.7	152	4-ø19	178	150	250	178	214	200
65	-	139.7	178	4-ø19	190	170	270	190	223	200
80	-	152.4	191	4-ø19	203	180	280	203	262	254
100	-	190.5	229	8-ø19	229	190	300	229	323	254
125	-	215.9	254	8-ø22	254	200	325	254	380	315
150	-	241.3	279	8-ø22	267	210	350	267	438	315
200	-	298.4	343	8-ø22	292	230	400	292	518	315
250	-	362	406	12-ø25	330	250	450	330	615	406
300	-	431.8	483	12-ø25	356	270	500	356	705	406
350	-	476.2	533	12-ø29	381	290	550	381	809	500
400	-	539.8	597	16-ø29	406	310	600	406	927	500
450	-	577.8	635	16-ø32	432	330	650	432	1011	500
500	-	635	698	20-ø32	457	350	700	457	1143	650
600	-	749.3	813	20-ø35	508	390	800	508	1319	650
NOTE:* Values are for reference only										

DN	FLANGE STANDARD-ASME B16.5 CL150									H	W
	D1	D2	D3	n-ød	L						
					BS5163	DIN-F4	DIN-F5	AWWA			
50	92	120.7	152	4-ø19	178	150	250	178	214	200	
65	105	139.7	178	4-ø19	190	170	270	190	223	200	
80	127	152.4	191	4-ø19	203	180	280	203	262	254	
100	157	190.5	229	8-ø19	229	190	300	229	323	254	
125	186	215.9	254	8-ø22	254	200	325	254	380	315	
150	216	241.3	279	8-ø22	267	210	350	267	438	315	
200	270	298.4	343	8-ø22	292	230	400	292	518	315	
250	324	362	406	12-ø25	330	250	450	330	615	406	
300	381	431.8	483	12-ø25	356	270	500	356	705	406	
350	413	476.2	533	12-ø29	381	290	550	381	809	500	
400	470	539.8	597	16-ø29	406	310	600	406	927	500	
450	533	577.8	635	16-ø32	432	330	650	432	1011	500	
500	584	635	698	20-ø32	457	350	700	457	1143	650	
600	692	749.3	813	20-ø35	508	390	800	508	1319	650	
NOTE:* Values are for reference only											

G Series -“GSO” OS&Y Metal Seated Gate Valve

Size: DN40-1200

Product description

Metal seated gate valves with rising stem, used for drinking water, cooling water, waste water and other neutral fluids

Design standards

- EN 1074 part 1 & 2, EN1171

Pressure rating

- PN16
- PN10/25(option available)

Face-to-face dimension

- EN 558, DIN 3202

Flange drilling

- EN1092-2 PN10/16/25, ASME B 16.1/16.42 CL125/CL150, ASME B16.47/16.5

Test

- EN 12266, API 598
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar)

Design temperature(for ductile iron)

- 0-80°C

Approvals

- WRAS

Features

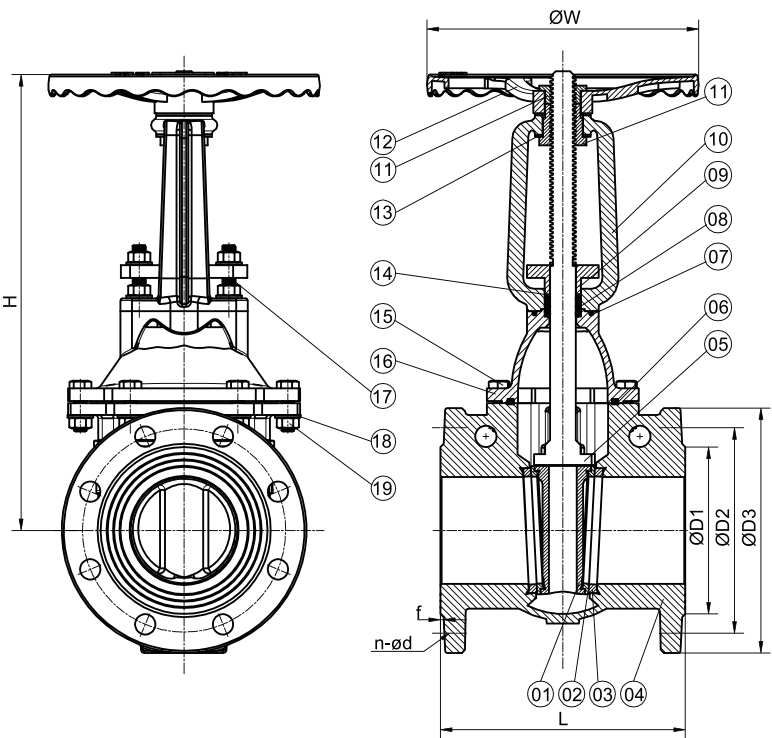
- High strength alu-bronze or stainless steel valve seat
- Metal faces machined to a high finish for optimum contact and minimum leakage
- Separate and independent O-ring stem seals
- Stainless steel stem with rolled threads for high strength
- OS&Y stem arrangement gives from a distance a clear, visual indication of the valve's open/close state
- Fusion bonded epoxy coating inside and outside

Accessories

- Handwheel
- Gearbox
- Actuator (Electric, Pneumatic)
- Extension spindle
- Flange adaptor and combi-flange

Main application

- Water supply systems
- Installation in plants
- Underground installation



Part List		
Item	Part Name	Material
1	Disc	DUCTILE IRON
2	Disc Sealing Ring	BRASS/304SS
3	Body Sealing Ring	BRASS/304SS
4	Body	DUCTILE IRONASTM
5	Stem	A959 420
6	Bonnet Gasket	EPDM
7	O Ring	EPDM
8	O Ring	EPDM
9	Gland	DUCTILE IRON
10	Support	DUCTILE IRON
11	Stem Nut	CuZn39Pb1
12	Handwheel	DUCTILE IRON
13	Anti Friction Pad	CuZn39Pb1
14	Sealing Gasket	PVC-U
15	Bolts	ISO 3506 A2-70
16	Bonnet	DUCTILE IRON
17	Studs	ISO 3506 A2-70
18	Washer	ASTM A240 304
19	Nut	ISO 3506 A2-70

Note: Carbon steel, Stainless steel, DSS, SDSS for optional

DN	FLANGE STANDARD-EN1092-2-PN10									H	W
	D1	D2	D3	f	n-ød	L					
						BS5163	DIN-F4	DIN-F5			
50	99	125	165	3	4-ø19	178	150	250	265	200	
65	118	145	185	3	4-ø19	190	170	270	305	200	
80	132	160	200	3	8-ø19	203	180	280	338	200	
100	156	180	220	3	8-ø19	229	190	300	430	254	
125	184	210	250	3	8-ø19	254	200	325	502	315	
150	211	240	285	3	8-ø23	267	210	350	573	315	
200	266	295	340	3	8-ø23	292	230	400	701	315	
250	319	350	395	3	12-ø23	330	250	450	866	406	
300	370	400	445	4	12-ø23	356	270	500	1040	406	
350	429	460	505	4	16-ø23	381	290	550	1170	500	
400	480	515	565	4	16-ø28	406	310	600	1300	500	
450	530	565	615	4	20-ø28	432	330	650	-	-	
500	582	620	670	4	20-ø28	457	350	700	-	-	
600	682	725	780	5	20-ø31	508	390	800	-	-	

NOTE:* Values are for reference only



G Series –“GSO” OS&Y Metal Seated Gate Valve



DN	FLANGE STANDARD-EN1092-2-PN16									H	W
	D1	D2	D3	f	n-ød	L					
						BS5163	DIN-F4	DIN-F5			
50	99	125	165	3	4-ø19	178	150	250	265	200	
65	118	145	185	3	4-ø19	190	170	270	305	200	
80	132	160	200	3	8-ø19	203	180	280	338	200	
100	156	180	220	3	8-ø19	229	190	300	430	254	
125	184	210	250	3	8-ø19	254	200	325	502	315	
150	211	240	285	3	8-ø23	267	210	350	573	315	
200	266	295	340	3	12-ø23	292	230	400	701	315	
250	319	355	405	3	12-ø28	330	250	450	866	406	
300	370	410	460	4	12-ø28	356	270	500	1040	406	
350	429	470	520	4	16-ø28	381	290	550	1170	500	
400	480	525	580	4	16-ø31	406	310	600	1300	500	
450	548	585	640	4	20-ø31	432	330	650	-	-	
500	609	650	715	4	20-ø34	457	350	700	-	-	
600	720	770	840	5	20-ø37	508	390	800	-	-	
NOTE:* Values are for reference only											

DN	FLANGE STANDARD-EN1092-2-PN25									H	W
	D1	D2	D3	f	n-ød	L					
						BS5163	DIN-F4	DIN-F5			
50	99	125	165	3	4-ø19	178	150	250	265	200	
65	118	145	185	3	8-ø19	190	170	270	305	200	
80	132	160	200	3	8-ø19	203	180	280	338	200	
100	156	190	230	3	8-ø23	229	190	300	430	254	
125	184	220	270	3	8-ø28	254	200	325	502	315	
150	211	250	300	3	8-ø28	267	210	350	573	315	
200	274	310	360	3	12-ø28	292	230	400	701	315	
250	330	370	425	3	12-ø31	330	250	450	866	406	
300	389	430	485	4	16-ø31	356	270	500	1040	406	
350	448	490	555	4	16-ø34	381	290	550	1170	500	
400	503	550	620	4	16-ø37	406	310	600	1300	500	
450	548	600	670	4	20-ø37	432	330	650	-	-	
500	609	660	730	4	20-ø37	457	350	700	-	-	
600	720	770	845	5	20-ø41	508	390	800	-	-	
NOTE:* Values are for reference only											



G Series–“GSO” OS&Y Metal Seated Gate Valve



DN	FLANGE STANDARD-ASME B16.1 CL125								
	D1	D2	D3	n-ød	L			H	W
					BS5163	DIN-F4	DIN-F5		
50	-	120.7	152	4-ø19	178	150	250	265	200
65	-	139.7	178	4-ø19	190	170	270	305	200
80	-	152.4	191	4-ø19	203	180	280	338	200
100	-	190.5	229	8-ø19	229	190	300	430	254
125	-	215.9	254	8-ø22	254	200	325	502	315
150	-	241.3	279	8-ø22	267	210	350	573	315
200	-	298.4	343	8-ø22	292	230	400	701	315
250	-	362	406	12-ø25	330	250	450	866	406
300	-	431.8	483	12-ø25	356	270	500	1040	406
350	-	476.2	533	12-ø29	381	290	550	1170	500
400	-	539.8	597	16-ø29	406	310	600	1300	500
450	-	577.8	635	16-ø32	432	330	650	-	-
500	-	635	698	20-ø32	457	350	700	-	-
600	-	749.3	813	20-ø35	508	390	800	-	-
NOTE:* Values are for reference only									

DN	FLANGE STANDARD-ASME B16.5 CL150								
	D1	D2	D3	n-ød	L			H	W
					BS5163	DIN-F4	DIN-F5		
50	92	120.7	152	4-ø19	178	150	250	265	200
65	105	139.7	178	4-ø19	190	170	270	305	200
80	127	152.4	191	4-ø19	203	180	280	338	200
100	157	190.5	229	8-ø19	229	190	300	430	254
125	186	215.9	254	8-ø22	254	200	325	502	315
150	216	241.3	279	8-ø22	267	210	350	573	315
200	270	298.4	343	8-ø22	292	230	400	701	315
250	324	362	406	12-ø25	330	250	450	866	406
300	381	431.8	483	12-ø25	356	270	500	1040	406
350	413	476.2	533	12-ø29	381	290	550	1170	500
400	470	539.8	597	16-ø29	406	310	600	1300	500
450	533	577.8	635	16-ø32	432	330	650	-	-
500	584	635	698	20-ø32	457	350	700	-	-
600	692	749.3	813	20-ø35	508	390	800	-	-
NOTE: * Values are for reference only									