



Series **BX1000** **GATE VALVE**

BX1000	Non-Rising Stem Resilient Seated	12
BX1001	Non-Rising Stem Metal Seated	14
BX1002	Non-Rising Stem Metal Seated	15
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BX1102	Rising Stem Metal Seated	19
BX1003	Non-Rising Stem Resilient Seated with Socket Ends	20
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GATE VALVE Non Rising Stem Resilient Seated



APPLICATION

Flanged gate valve for drinking water, sewage and neutral liquids up to 70°C.

DESIGN FEATURES

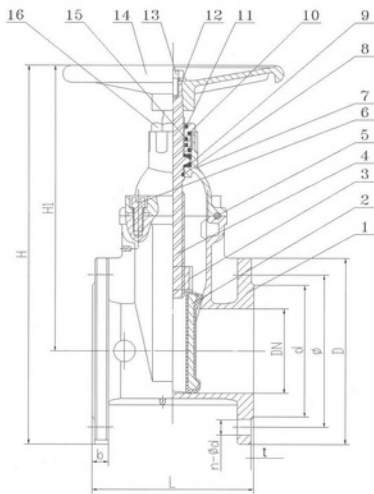
- Non rising stainless steel stem
- Full bore
- Low closing torque
- Clockwise closing
- Guided wedge to ensure correct sealing
- 100% watertight, No zones of retention
- Replaceable wedge nut

TECHNICAL CHARACTERISTICS

- Design in accordance to DIN3352, EN1074 and EN1171
- Face to face dimensions according to EN 558-1 series 14 and DIN3202 (F4)
- Flange end connections according to EN1092-2: PN10 & PN16
- Maximum working pressure: PN16 / 16 bar
- Working temperature: 0°C - +70°C
- Fully vulcanized wedge in EPDM according to EN681
- Color RAL5015, Powder epoxy coating at least 300 µm thickness is electro statically applied
- Quality control: All valves are tested hydrostatically according to ISO 5208 at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1



DIMENSIONAL DRAWING



OPERATION OPTIONS



MATERIALS

No	Description	Material
1	Valve body	Ductile iron GGG50
2	Resilient wedge	Ductile iron GGG50 / EPDM
3	Wedge Nut	Bronze
4	Stem	Stainless Steel
5	Bonnet gasket	EPDM
6	Bonnet Screw	Steel ASTM 45#
7	Bonnet	Ductile iron GGG50
8	Stem Primary O-Ring	EPDM
9	Stem Thrust Washer	Nylon
10	Gland Seal O-Ring	EPDM
11	Stem Ring Wiper	EPDM
12	Operating Nut Washer	Carbon steel zinc plated
13	Operating Nut Screw	Carbon steel zinc plated
14	Handwheel	Ductile iron GGG50
15	O-Ring	EPDM
16	Stem Bushing	Brass

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.



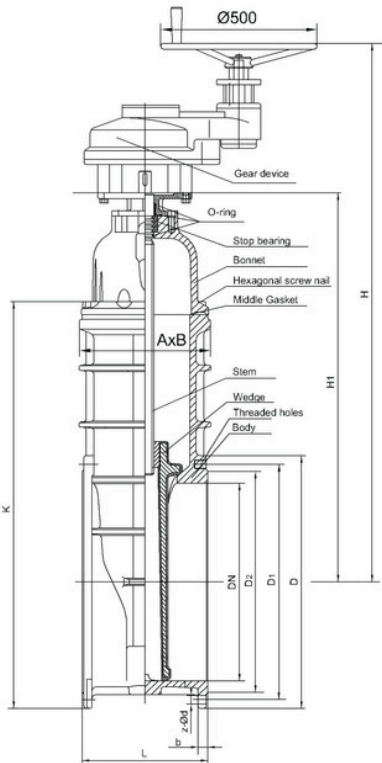
DIMENSIONS

DN	L	n-Ød		D	D1		D2	b	t	H	H1
		PN10	PN16		PN10	PN16					
50	150	4-Ø19	4-Ø19	165	125	125	98	19	3	335	253
65	170	4-Ø19	4-Ø19	185	145	145	118	19	3	376	284
80	180	4-Ø19	8-Ø19	200	160	160	133	19	3	420	320
100	190	8-Ø19	8-Ø19	220	180	180	153	19	3	453	343
125	200	8-Ø19	8-Ø19	250	210	210	183	19	3	533	408
150	210	8-Ø23	8-Ø23	285	240	240	209	19	3	567	425
200	230	8-Ø23	12-Ø23	340	295	295	264	20	3	700	530
250	250	12-Ø23	12-Ø28	400	350	355	319	22	3	821	621
300	270	12-Ø23	12-Ø28	455	400	410	367	24.5	4	930	703
350	290	16-Ø23	16-Ø28	520	460	470	429	26.5	4	1097	841
400	310	16-Ø28	16-Ø31	580	515	525	480	28	4	1199	922
450	330	20-Ø29	20-Ø31	640	565	585	550	30	4	1342	1022
500	350	20-Ø29	20-Ø35	715	620	650	609	31.5	4	1535	1177
600	390	20-Ø32	20-Ø37	840	725	770	682	36	5	1799	1379

Valves with diameters larger than DN600 are equipped with a vertical reducer and with self-locking gearbox, open and close limit stops and with position indicator. These gate valves can be supplied with by-pass and are only available with EN 558-1 series 14 width spacing.



DIMENSIONAL DRAWING



DIMENSIONS

DN	L	D	D1	D2	b	A x B	H1	H	K
700	430	895	840	797	32.5	1038 x 413	1390	1750	1655
800	470	1015	950	904	35	1182 x 471	1594	1958	1912
900	510	1115	1050	1004	37.5	1342 x 612	1594	1958	1961
1000	550	1230	1160	1111	40	1492 x 678	1860	2285	2251
1200	630	1455	1380	1329	45	1698 x 700	2270	2695	2518



All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.



GATE VALVE Non Rising Stem Metal Seated

APPLICATION

Flanged gate valve for drinking water, sewage and neutral liquids up to 70°C.

DESIGN FEATURES

- Non rising stainless steel stem
- Full bore
- Low closing Torque
- Clockwise closing
- Guided wedge to ensure correct sealing
- Replaceable wedge nut

TECHNICAL CHARACTERISTICS

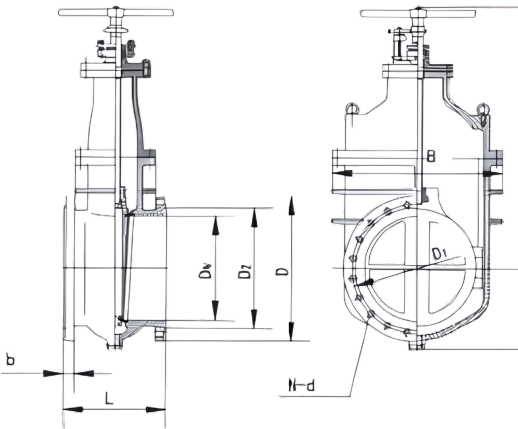
- Design in accordance to BS ISO 5163, & EN1074-1 & 2
- Face to face dimensions according to ISO 5752 series 3, & BS 5163
- Flange end connections according to ISO 2531: PN10 & PN16
- Maximum working pressure: PN16/16 bar
- Working temperature: 0°C - +70°C
- Color RAL5015
- Powder epoxy coating at least 300 µm thickness is electro statically applied
- Quality control: each valve is entirely tested at BIMEX according to ISO 5208
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1



OPERATION OPTIONS



DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Valve Body	Ductile iron GGG50
2	Gate	Ductile iron GGG50
3	Bonnet	Ductile iron GGG50
4	Stem	Stainless steel
5	Bonnet Gasket	EPDM
6	Gate Seal Ring	Gunmetal bronze
7	Body Seal Ring	Gunmetal bronze
8	Handwheel	Ductile iron GGG50

DIMENSIONS

DN	D	D1	D2	n-Ød		L	b	B
				PN10	PN16			
100	220	180	156	8-Ø19	8-Ø19	229	24	226
125	250	210	184	8-Ø19	8-Ø19	254	26	258
150	285	240	211	8-Ø23	8-Ø23	267	26	310
200	340	295	266	8-Ø23	12-Ø23	292	26	378
250	395	350	319	12-Ø23	12-Ø28	330	28	470
300	445	400	370	12-Ø23	12-Ø28	356	28	526
350	505	460	429	16-Ø23	16-Ø28	381	30	610
400	565	515	480	16-Ø28	16-Ø31	406	32	676
450	615	565	530	20-Ø28	20-Ø31	432	32	740
500	670	620	582	20-Ø28	20-Ø34	457	34	803
600	780	725	682	20-Ø31	20-Ø37	508	36	950

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.



GATE VALVE Non Rising Stem Metal Seated

BIMEX VALVES



APPLICATION

Flanged gate valve for drinking water, sewage and neutral liquids up to 70°C.

DESIGN FEATURES

- Non rising stainless steel stem
- Full bore
- Low closing torque
- Clockwise closing
- Guided wedge to ensure correct sealing
- Replaceable wedge nut

TECHNICAL CHARACTERISTICS

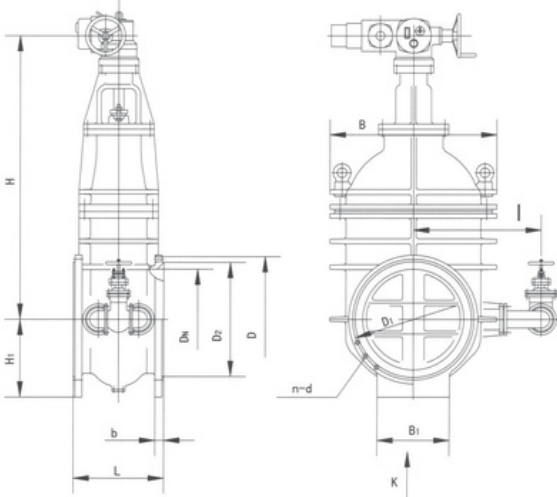
- Design in accordance to BS5150
- Face to face dimensions according to ISO 5752 series 3, BS 5163
- Flange end connections according to ISO 2531 PN10 & PN16
- Maximum working pressure: PN10/16
- Working temperature: 0°C - +70°C
- Color RAL5015
- Powder epoxy coating at least 300 µm thickness is electro statically applied
- Quality control: each valve is entirely tested according to EN12266 / ISO5208 at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1



OPERATION OPTIONS



DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Valve Body	Ductile iron GGG50
2	Gate	Ductile iron GGG50
3	Bonnet	Ductile iron GGG50
4	Stem	Stainless steel
5	Bonnet Gasket	EPDM
6	Gate Seal Ring	Gunmetal bronze
7	Body Seal Ring	Gunmetal bronze
8	Handwheel	Ductile iron GGG50

DIMENSIONS

DN	D	D1	D2	n-Ød		L	b	B	H	H1
				PN10	PN16					
600	780	725	682	20-Ø31	20-Ø37	508	36	950	1610	-
700	895	840	794	24-Ø31	24-Ø37	610	40	1156	1935	540
800	1015	950	901	24-Ø34	24-Ø40	660	44	1242	2058	555
900	1115	1050	1001	28-Ø34	28-Ø40	711	46	1423	2292	685
1000	1230	1160	1112	28-Ø37	28-Ø43	811	50	1467	2488	735
1200	1455	1380	1328	32-Ø40	32-Ø49	1015	56	1790	2805	820
1400	1675	1590	1530	36-Ø43	36-Ø49	1080	62	2000	3450	910
1600	1915	1820	1750	40-Ø49	40-Ø56	1300	68	2400	4000	1040

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GATE VALVE Rising Stem Resilient Seated



APPLICATION

Flanged gate valve for drinking water, sewage and neutral liquids up to 70°C.

DESIGN FEATURES

- Rising stainless steel stem
- Full bore
- Low closing torque
- Clockwise closing
- Guided wedge to ensure correct sealing
- Replaceable wedge nut

TECHNICAL CHARACTERISTICS

- Design in accordance to BS ISO 5163
- Face to face dimensions according to EN 558-1
- Flange end connections according to ISO 2531 PN10 & PN16
- Maximum working pressure: PN10/16
- Working temperature: 0°C - +70°C
- Color RAL5015, Powder epoxy coating at least 300 µm thickness is electro statically applied
- Quality control: each valve is entirely tested according to EN12266 / ISO5208 at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1



OPERATION OPTIONS



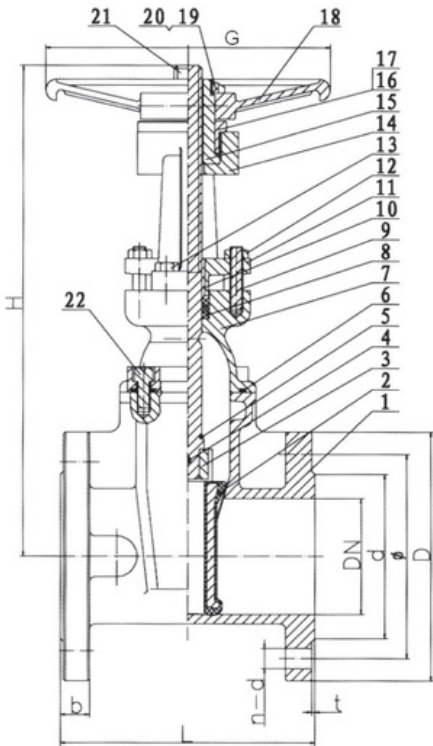
MATERIALS

No	Description	Material
1	Valve Body	Ductile iron GGG50
2	Resilient Wedge	Ductile iron GGG50 / EPDM
3	Wedge Nut	Bronze
4	Stem	Stainless steel
5	Stem Back Seat O-Ring	EPDM
6	Bonnet Gasket	EPDM
7	Bonnet	Ductile iron GGG50
8	Stem Packing	EPDM
9	Threaded Rod	Zinc Plated Carbon Steel
10	Gland Bushing	Bronze
11	Gland	Ductile iron GGG50
12	Gland Nut	Alloy Steel
13	Yoke Screw	Alloy Steel
14	Yoke	Ductile iron GGG50
15	Yoke Bushing	Bronze
16	Flat Point Set Screw	Black Oxide Alloy Steel
17	Yoke Bushing Retainer	Ductile iron GGG50
18	Hand wheel	Ductile iron GGG50
19	Hand wheel Nut	Zinc Plated Carbon Steel
20	Flat Head Screw	Zinc Plated Carbon Steel
21	Stem Nut	Stainless steel
22	Bonnet Screw	Alloy Steel

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DIMENSIONAL DRAWING



DIMENSIONS

DN	L	n-Ød		D	Ø		d	b	t	H Open	H Closed	G
		PN10	PN16		PN10	PN16						
65	190	4-Ø19	4-Ø19	185	145	145	118	19	3	453	378	200
80	203	4-Ø19	8-Ø19	200	160	160	133	19	3	500	405	200
100	229	8-Ø19	8-Ø19	220	180	180	153	19	3	534	422	260
150	267	8-Ø23	8-Ø23	285	240	240	209	19	3	744	581	315
200	292	8-Ø23	12-Ø23	340	295	295	264	20	3	939	724	375
250	330	12-Ø23	12-Ø28	400	350	355	319	22	3	1139	877	416
300	356	12-Ø23	12-Ø28	455	400	410	367	24	4	1326	1014	445

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GATE VALVE Rising Stem Metal Seated



APPLICATION

Flanged gate valve for drinking water, sewage and neutral liquids up to 70°C.

DESIGN FEATURES

- Rising stainless steel stem
- Full bore
- Low closing Torque
- Clockwise closing
- Guided wedge to ensure correct sealing
- Replaceable wedge nut

TECHNICAL CHARACTERISTICS

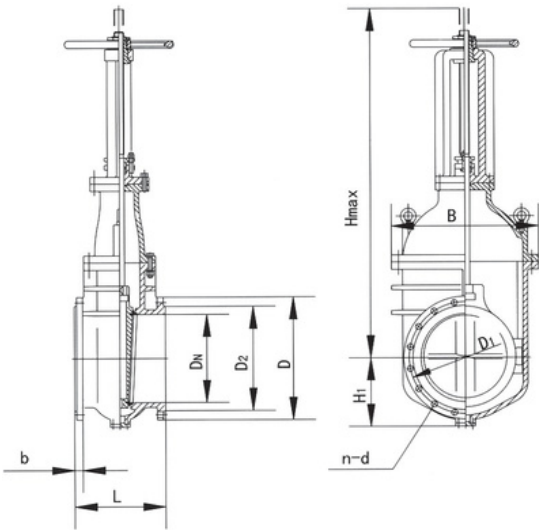
- Design in accordance to BS ISO 5163, BS EN1074-1 & 2, & EN1171
- Face to face dimensions according to EN 558-1
- Flange end connections according to ISO 2531: PN10 & PN16
- Maximum working pressure: PN16/16 bar
- Working temperature: 0°C - +70°C
- Color RAL5015, Powder epoxy coating at least 300 µm thickness is electro statically applied
- Quality control: each valve is entirely tested according to EN12266 / ISO5208 at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1



OPERATION OPTIONS



DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Valve Body	Ductile iron GGG50
2	Gate	Ductile iron GGG50
3	Bonnet	Ductile iron GGG50
4	Stem	Stainless steel
5	Bonnet Gasket	EPDM
6	Gate Seal Ring	Gunmetal bronze
7	Body Seal Ring	Gunmetal bronze
8	Handwheel	Ductile iron GGG50

DIMENSIONS

DN	D	D1	D2	n-Ød		L	b	B	H max
				PN10	PN16				
100	220	180	156	8-Ø19	8-Ø19	229	24	226	558
125	250	210	184	8-Ø19	8-Ø19	254	26	258	672
150	285	240	211	8-Ø23	8-Ø23	267	26	310	160
200	340	295	266	8-Ø23	12-Ø23	292	26	378	1000
250	395	350	319	12-Ø23	12-Ø28	330	28	470	1234
300	445	400	370	12-Ø23	12-Ø28	356	28	526	1434
350	505	460	429	16-Ø23	16-Ø28	381	30	610	1830
400	565	515	480	16-Ø28	16-Ø31	406	32	676	1946
450	615	565	530	20-Ø28	20-Ø31	432	32	740	2220
500	670	620	582	20-Ø28	20-Ø34	457	34	803	2360
600	780	725	682	20-Ø31	20-Ø37	508	36	950	2720

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.



GATE VALVE Rising Stem Metal Seated

BIMEX VALVES



APPLICATION

Flanged gate valve for drinking water, sewage and neutral liquids up to 70°C.

DESIGN FEATURES

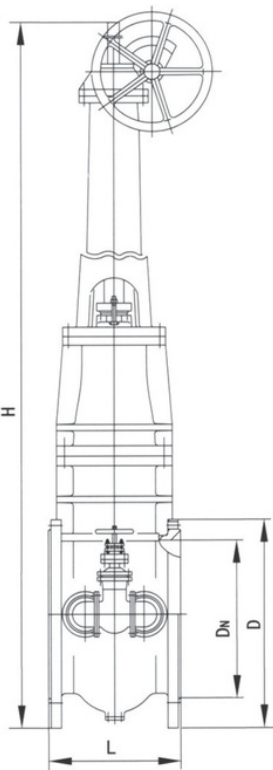
- Rising stainless steel stem
- Equipped with bevel gear
- Low closing Torque
- Clockwise closing
- Equipped with bypass valve
- Guided wedge to ensure correct sealing
- Replaceable wedge nut

TECHNICAL CHARACTERISTICS

- Design in accordance to BS EN1074-1 & 2 & EN1171
- Face to face dimensions according to EN 558-1
- Flange end connections according to ISO 2531 PN10 & PN16
- Maximum working pressure: PN10/16
- Working temperature: 0°C - +70°C
- Stainless steel bolts
- Color RAL5015
- Powder epoxy coating at least 300 µm thickness is electro statically applied
- Quality control: each valve is entirely tested according to EN12266 / ISO5208 at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1



DIMENSIONAL DRAWING



OPERATION OPTIONS



MATERIALS

No	Description	Material
1	Valve Body	Ductile iron GGG50
2	Gate	Ductile iron GGG50
3	Bonnet	Ductile iron GGG50
4	Stem	Stainless steel
5	Stem Nut	Gunmetal bronze
6	Gate Seal Ring	Gunmetal bronze
7	Body Seal Ring	Gunmetal bronze
8	Handwheel	Ductile iron GGG50

DIMENSIONS

DN	L	D	H
600	508	749	3115
700	610	859	3645
800	660	969	3945
900	711	1069	4595
1000	811	1181	5100
1200	1015	1410	5715
1400	1080	1629	6400
1500	1200	1820	6750

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.

GATE VALVE Non Rising Stem Resilient Seated



APPLICATION

Gate valve socket ended for uPVC for drinking water, sewage, and neutral liquids applications.

DESIGN FEATURES

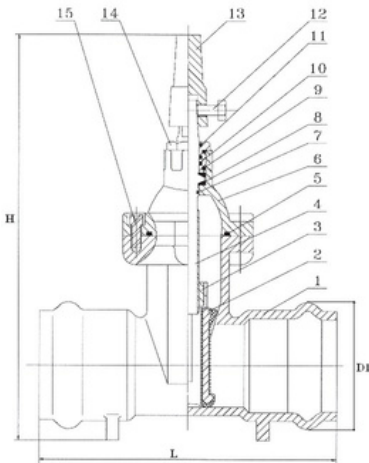
- Non rising stainless steel stem
- Full bore
- Low closing torque
- Clockwise closing
- Guided wedge to ensure correct sealing
- 100% watertight, No zones of retention
- Replaceable wedge nut

TECHNICAL CHARACTERISTICS

- Design in accordance to DIN3352, EN1074 and EN1171
- Face to face dimensions according to EN 558-1 series 14 and DIN3202 (F4)
- Flange end connections according to EN1092-2: PN10 & PN16
- Maximum working pressure: PN16 / 16 bar
- Working temperature: 0°C - +70°C
- Fully vulcanized wedge in EPDM according to EN681
- Color RAL5015, Powder epoxy coating at least 300 µm thickness is electro statically applied
- Quality control: each valve is entirely tested according to EN12266 / ISO5208 at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1



DIMENSIONAL DRAWING



OPERATION OPTIONS



MATERIALS

No	Description	Material
1	Valve Body	Ductile iron GGG50
2	Resilient Wedge	Ductile iron GGG50 / EPDM
3	Wedge Nut	Bronze
4	Stem	Stainless steel
5	Bonnet Gasket	EPDM
6	Bonnet	Ductile iron GGG 50
7	Stem Primary O-Ring	EPDM
8	Stem Thrust Washer	Nylon
9	Gland Seal O-Ring	EPDM
10	Stem Primary O-Ring	EPDM
11	Stem Ring Wiper	EPDM
12	Operating Nut Screw	Carbon steel zinc plated
13	Square Operating Nut	Cast Iron
13a	Handwheel	Ductile iron GGG 50
14	Stem Seal Bushing	Brass
15	Bonnet Screw	Alloy Steel ASTM 45#

DIMENSIONS

DN	uPVC Ø	L	D1	H
50	63	335	97	350
65	75	335	110	403
80	90	335	130	460
100	110	335	152	480
150	160	405	208	600
200	200	450	256	740
200	225	450	281	740
250	250	510	312	840
300	315	510	379	970

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.



KNIFE GATE VALVE Rising Stem Metal Seated



APPLICATION

Lug/wafer knife gate valves are bi-directional with full and plane bore for general industrial application.

DESIGN FEATURES

- Rising stainless steel stem
- Full bore
- Non clogging shutoff
- U-shaped one-piece sealing between the body parts
- Slim design and low weight
- Self cleaning valve with no cavity

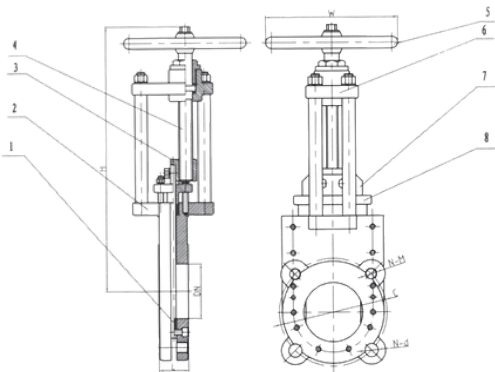
TECHNICAL CHARACTERISTICS

- Design in accordance to BS EN1074 1 & 2, and EN1171
- Face to face dimensions according to EN 558-1 series 20
- Flange end connections according to EN1092-2, ISO 2531 PN10 & PN16
- Maximum working pressure: 16 bar
- Working temperature: 0°C - +70°C
- Color RAL5015, Powder epoxy coating at least 300 µm thickness is electro statically applied
- Quality control: each valve is entirely tested according to EN12266 / ISO5208 at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1

OPERATION OPTIONS



DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	U Seat	NBR/EPDM
2	Valve Body	Ductile iron GGG50
3	Stem nut	Bronze
4	Stem	Stainless steel
5	Hand wheel	Ductile iron GGG50
6	Cover	Ductile iron GGG50
7	Knife	Stainless steel
8	Sealing cover	Ductile iron GGG50

DIMENSIONS

DN	H	L	C	n-Ød	W
50	290	43	125	4-Ø16	180
65	295	46	145	4-Ø16	180
80	320	46	160	8-Ø16	200
100	365	52	180	8-Ø16	250
125	405	56	210	8-Ø16	300
150	478	56	240	8-Ø20	350
200	545	60	295	8-Ø20	350
250	692	68	350	12-Ø20	400
300	785	78	400	12-Ø20	450
350	892	78	460	16-Ø20	500
400	998	102	515	12-Ø24	600
450	1120	114	565	20-Ø22	650
500	1310	127	620	20-Ø24	750
600	1595	154	725	20-Ø27	800



Alternatively, it can be supplied with hand lever or with non rising stem.

BX1201

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QUICK CLOSING GATE VALVE Metal Seated

APPLICATION

Quick closing flanged gate valve equipped with lever for quick opening/closing of the gate.

DESIGN FEATURES

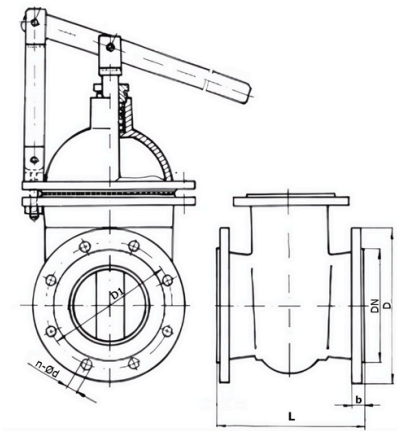
- Stainless steel stem
 - Full bore
 - Quick acting
 - No zones of retention
- Guided wedge to ensure correct sealing
 - 100% watertight
 - Replaceable wedge nut

TECHNICAL CHARACTERISTICS

- Design in accordance to DIN3352, EN1074 and EN1171
- Face to face dimensions according to EN 558-1 series 14 and DIN3202 (F4)
- Flange end connections according to EN1092-2: PN10 & PN16
- Maximum working pressure: PN16 / 16 bar
- Working temperature: 0°C - +70°C
- Color RAL5015, Powder epoxy coating at least 300 µm thickness is electro statically applied
- Quality control: All valves are tested hydrostatically according to ISO 5208 at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1



DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Valve Body	Ductile iron GGG50
2	Gate	Ductile iron GGG50
3	Bonnet	Ductile iron GGG50
4	Stem	Stainless steel
5	Bonnet Gasket	EPDM
6	Gate Seal Ring	DIN 1709 Casting Alloy
7	Body Seal Ring	DIN 1705 Casting Alloy
8	Lever arm	Carbon steel

DIMENSIONS

DN	L	n-Ød		D	D1		b
		PN10	PN16		PN10	PN16	
50	150	4-Ø19	4-Ø19	165	125	125	19
65	170	4-Ø19	4-Ø19	185	145	145	19
80	180	4-Ø19	8-Ø19	200	160	160	19
100	190	8-Ø19	8-Ø19	220	180	180	19
125	200	8-Ø19	8-Ø19	250	210	210	19
150	210	8-Ø23	8-Ø23	285	240	240	19
200	230	8-Ø23	12-Ø23	340	295	295	20
250	250	12-Ø23	12-Ø28	400	350	355	22
300	270	12-Ø23	12-Ø28	455	400	410	24.5
350	290	16-Ø23	16-Ø28	520	460	470	26.5
400	310	16-Ø28	16-Ø31	580	515	525	28
450	330	20-Ø29	20-Ø31	640	565	585	30
500	350	20-Ø29	20-Ø35	715	620	650	31.5
600	390	20-Ø32	20-Ø37	840	725	770	36

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.



PROJECT

Al Ameriya Lift Station



BIMEX supplied a range of rising stem metal seated gate valves DN900 and DN1200 to Al Ameriya Sewage Lift Station, located in the heart of Cairo, Egypt. These valves had a 30 meter long extension spindle and were electrically operated. The successful supply and installation of these valve marked a milestone in BIMEX history of success.

Find out more

www.BIMEXindustry.com/Projects



LOCATION:

Cairo, Egypt

CLIENT:

The Water and Wastewater Holding Co.

CONTRACTOR:

The Arab Contractors

PRODUCTS:

Rising stem metal seated gate valves.

