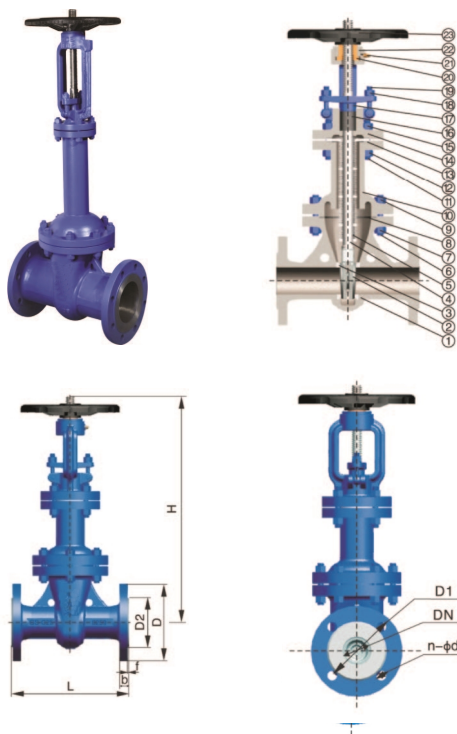


FLOTECS
Fluid/Flue solutions®

BELLOW SEAL GATE VALVE

BELLOW SEAL GATE VALVE



TECHNICAL SPECIFICATION

Design standard: DIN 3352
 Face to face dimension: DIN 3202
 Flanged ends: DIN 2543-2545
 Test & inspection: DIN 3230

APPLICATION

Steam, thermal oil, corrosive chemicals, strong corrupt gas and liquids.

PERFORMANCE SPECIFICATION

NO.	Part name	Material
1	Body	GS-C25, 1.4301, 1.4401
2	Disc	GS-C25+1.4201/1.4301
3	Seat	1.4301, Stellite
4	Stem	1.4021, 1.4301, 1.4401
5	Bellows	1.4301, 1.4401
6	Double-headed bolt	ASTM 193-B7, A193-B8
7	Nut	ASTM 194-2H, A194-8
8	Metal gasket	Asbestos+ Stainless steel
9	Nut	ASTM 194-2H, A194-8
10	Middle yoke	GS-C25, 1.4301, 1.4401
11	Double-headed bolt	ASTM 193-B7, A193-B8
12	Nut	ASTM 194-2H, A194-8
13	Gasket	Flexible graphite+ stainless steel
14	Cover	GS-C25, 1.4301, 1.4401
15	Nut	ASTM 194-2H, A194-8
16	Packing	Flexible graphite
17	Gland	GS-C25, 1.4301
18	Nut	ASTM 194-2H, A194-8
19	Jack bolt	ASTM 193-B7, A193-B8
20	Stem nut	Copper alloy, D2, BL2
21	Oil cup	Assemble
22	Cap	1C45, 1.4301, 1.4401
23	Hand wheel	Carbon steel

ADVANTAGE

1. Bellow seal element. The key part of bellow sealed globe valves is the metal bellow. It is the connection between cover and stem with automatic roll welding. The metal bellow can prevent leakage from the stem.
2. Double seal design(bellows+packing). Bellow and packing can protect against leakage and provide an excellent seal.
3. Grease nipple. It can direct lubricate the stem, nut and sleeve.
4. Ergonomic hand wheel. It provide longer service life and easier operation.

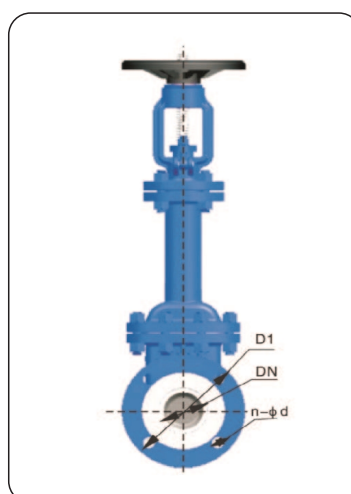
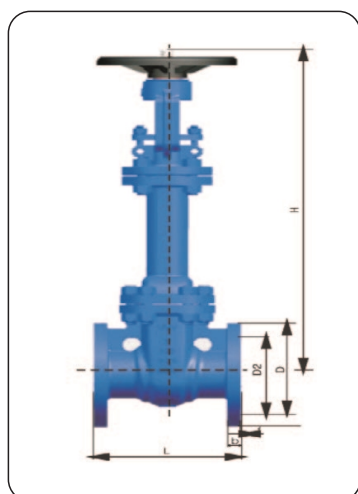
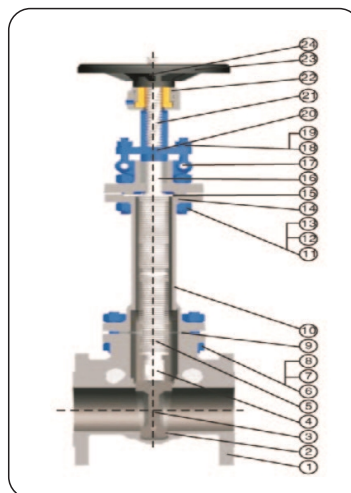
PERFORMANCE SPECIFICATION

Test Pressure	Nominal Pressure		Mpa
	Strength test	PN	
	Sealing test	1.1PN	
	Gas seal test	0.6	
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Suitable temp		-196°C~600°C	

MAIN CONNECTION SIZE

DN	PN 16							
	Main connection size							
	L	D	D1	D2	b	f	H	n-φd
40	240	150	110	88	18	3	473	4-φ18
50	250	165	125	102	20	3	524	4-φ18
65	270	185	145	122	20	3	567	4-φ18
80	280	200	160	138	20	3	655	8-φ18
100	300	220	180	158	20	3	833	8-φ18
125	325	250	210	188	22	3	908	8-φ18
150	350	285	240	212	22	3	1006	8-φ22
200	400	340	295	268	24	3	1423	12-φ22
250	450	405	355	320	26	3	1708	12-φ26
300	500	460	410	378	28	4	2117	12-φ26
350	550	520	470	438	30	4	2400	16-φ26
400	600	580	525	490	32	4	2707	16-φ30
450	650	640	585	548	34	4	2834.5	20-φ30
500	700	715	650	610	36	4	3169	20-φ33
600	800	840	770	725	40	5	4053	20-φ36
	PN 25							
	L	D	D1	D2	b	f	H	n-φd
40	240	150	110	88	18	3	473	4-φ18
50	250	165	125	102	20	3	524	4-φ18
65	270	185	145	122	22	3	567	8-φ18
80	280	200	160	138	24	3	655	8-φ18
100	300	235	190	162	24	3	833	8-φ22
125	325	270	220	188	26	3	908	8-φ26
150	350	300	250	218	28	3	1006	8-φ26
200	400	360	310	278	30	3	1423	12-φ26
250	450	425	370	335	32	3	1708	12-φ30
300	500	485	430	395	34	4	2117	16-φ30
350	550	555	490	450	38	4	2400	16-φ33
400	600	620	550	505	40	4	2707	16-φ36
450	650	670	600	548	42	4	2834.5	20-φ36
500	700	730	660	566	44	4	3169	20-φ36
600	800	845	770	725	46	5	4053	20-φ39
	PN 40							
L	D	D1	D2	b	f	H	n-φd	
40	240	150	110	88	18	3	473	4-φ18
50	250	165	125	102	20	3	524	4-φ18
65	270	185	145	122	22	3	567	8-φ18
80	280	200	160	138	24	3	655	8-φ18
100	300	235	190	162	24	3	833	8-φ22
125	325	270	220	188	26	3	908	8-φ26
150	350	300	250	218	28	3	1006	8-φ26
200	400	375	320	285	34	3	1423	12-φ30
250	450	450	385	345	38	3	1708	12-φ33
300	500	515	450	410	42	4	2117	16-φ33
350	550	580	510	465	46	4	2400	16-φ36
400	600	660	585	535	50	4	2707	16-φ39
450	650	685	610	560	50	4	2834.5	20-φ39
500	700	755	670	615	52	4	3169	20-φ42
600	800	890	795	735	60	5	4053	20-φ48

BELLOW SEAL GATE VALVE (ANSI)



APPLICATION

Hot oil, steam, hot and cold water systems etc.

ADVANTAGE

1. Bellow seal element. The key part of bellow sealed globe valves is the metal bellow. It is the connection between cover and stem with automatic roll welding. The metal bellow can prevent leakage from the stem.
2. Double seal design (bellows + packing). Bellow and packing can protect against leakage and provide an excellent seal.
3. Grease nipple. It can directly lubricate the stem, nut, and sleeve.
4. Ergonomic hand wheel. It provides longer service life and easier operation.

TECHNICAL SPECIFICATION

Design standard: ASME B16.34
 Face to face dimension: ASME B16.10
 Flanged ends: ASME B16.5
 Test & inspection: API 598

PERFORMANCE SPECIFICATION

Nominal Pressure		PN	
Test Pressure	Strength test	1.5PN	Mpa
	Sealing test	1.1PN	
	Gas seal test	0.6	
	Bellows test	1.1PN	
Suitable temp		-196°C~600°C	

BELLOW SEAL GATE VALVE

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