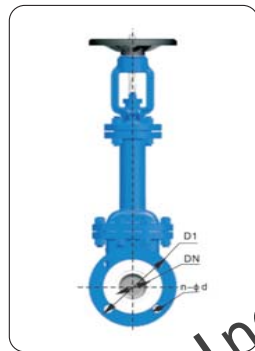
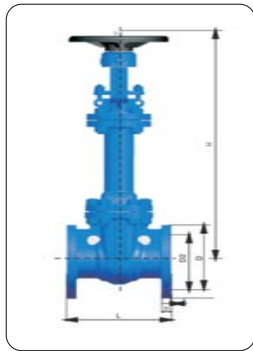
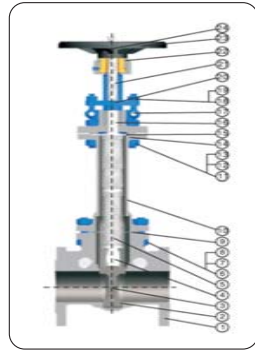


ANSI STANDARD BELLOW SEAL GATE VALVE



APPLICATION

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

ADVANTAGE

1. Bellow seal element. The key part of bellow seal gate valves is mental bellow. It is the connection between cover and stem with automatic roll welding. The mental bellow can keep the stem part no leakage.
2. Double seal design(bellows+packing). Bellow and packing can protect against leakage and provide a excellent seal.
3. Grease nipple. It can direct 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	Mpa
Test Pressure	Strength test	1.5PN	
	Sealing test	1.1PN	
	Gas seal test	0.6	
	Bellows test	1.1PN	
Suitable temp		-196°C~600°C	

PERFORMANCE SPECIFICATION

NO.	Part name	Material
1	Body	WCB, CF8, CF8M
2	Seat	304, Stellite
3	Disc	WCB+13Cr, CF8, CF8M
4	Stem	13Cr, A194, S316
5	Bellows	S.S304, S.S316L
6	Screw nut	ASTM A194-2H, A194-8, A194-8M
7	Stud	ASTM A193-B7, A193-B8, A193-B8M
8	Nut	ASTM A194-2H, A194-8, A194-8M
9	Metal gasket	Stainless+ Flexible graphite
10	Yoke	WCB, CF8, CF8M
11	Nut	ASTM A194-2H, A194-8, A194-8M
12	Stud	ASTM A193-B7, A193-B8, A193-B8M
13	Nut	ASTM A194-2H, A194-8, A194-8M
14	Gasket	Stainless+ Flexible graphite
15	Seal bowl	S.S304, S.S316
16	Packing	Flexible graphite
17	Extremely heavy pin	1045, S.S304, S.S316
18	Extremely heavy bolt	ASTM A193-B7, A193-B8, A193-B8M
19	Extremely heavy nut	ASTM A194-2H, A194-8, A194-8M
20	Gland	WCB, CF8
21	Stem nut	Copper alloy, D2, BL-2
22	Bearing nut	1045, S.S304, S.S316
23	Hand wheel	60-40-18
24	Locknut	1045

MAIN CONNECTION SIZE

Material	DN	Main connection size						
		150 LB						
		L	D	D1	D2	b	f	n-Φd
A105	1/2"	108	90	60.5	35	10	2	4-Φ16
	3/4"	117	100	70	43	11	2	4-Φ16
	1"	127	110	79.5	51	12	2	4-Φ16
	1-1/4"	140	115	89	63.5	13	2	4-Φ16
	1-1/2"	165	125	98.5	73	15	2	4-Φ16
A105 WCB	2"	178	150	120.5	92	16	2	4-Φ19
WCB	2-1/2"	190	180	139.5	105	18	2	4-Φ19
	3"	203	190	152.5	127	20	2	4-Φ19
	4"	229	230	190.5	157	24	2	8-Φ19
	5"	254	255	216	186	24	2	8-Φ22
	6"	267	280	241.5	216	26	2	8-Φ22
	8"	292	345	298.5	270	29	2	8-Φ22
	10"	330	405	362	324	31	2	12-Φ25
	12"	356	485	432	381	32	2	12-Φ25
	14"	381	535	476	413	35	2	12-Φ29
	16"	406	595	540	470	37	2	16-Φ29
18"	432	635	578	533	40	2	12-Φ32	
20"	457	700	625	584	43	2	20-Φ32	
300 LB								
A105	1/2"	140	95	66.5	35	15	2	4-Φ16
	3/4"	152	115	82.5	43	16	2	4-Φ19
	1"	165	125	89	51	18	2	4-Φ19
	1-1/4"	178	135	98.5	63.5	20	2	4-Φ19
	1-1/2"	190	155	114.5	73	21	2	4-Φ22
A105 WCB	2"	216	165	127	92	23	2	8-Φ19
WCB	2-1/2"	241	190	149	105	26	2	8-Φ22
	3"	282	210	168.5	127	29	2	8-Φ22
	4"	305	255	200	157	32	2	8-Φ22
	6"	403	320	270	216	37	2	12-Φ22
	8"	502	380	330	270	42	2	12-Φ22
	10"	568	445	387	324	48	2	16-Φ29
	12"	648	520	451	381	51	2	16-Φ32
	14"	762	585	514.5	413	54	2	20-Φ32
	16"	838	650	571.5	470	58	2	20-Φ35
	18"	914	710	628.5	533	61	2	24-Φ35
	20"	991	775	686	584	64	2	24-Φ35