

ECOLINE BSGT-S

Bellow Seal Gate Valves

- Nuclear and Thermal Power Plants
- Food industries
- Pharmaceutical Industries
- Refineries
- LPG & LNG
- Chemical and Petrochemical Industries
- Hazardous & Corrosive Chemicals
- Paper & Pulp Industries
- Vacuum Services

Cast Gate Valve
Class 150 / 300 - 2" to 12"

Forged Gate Valve
Class 800 - ½" to 2"



ECOLINE BSGT-S

Bellow Seal Gate Valves

Product Features

- Double Sealing (Bellows and Gland Packing) ensures minimum leakage from the valve
- Stem Covered with Bellows ensures process fluid not in contact with gland area
- Best Suited for Hazardous / Chlorine / Ammonia / Cryogenic / Vacuum & Terminal Liquid and Vapour Phase Operation
- Bellows reduces the shock load to the trim parts which increase the life of trim
- As the emission from the valve is very minimum, environment is protected from toxic substances

Design Feature

- Cast Gate valve designed to API 600
- Forged Gate/Globe valve designed to API 602
- Flanges Acc. to ASME B16.5
- Face to Face Acc to ASME 16.10
- Socket Weld end Acc to ASME 16.11
- Testing Acc to API 598
- Bellows Cycle Acc to MSS-SP-117

Variants

- Electrical & Pneumatic Actuators
- Buttweld End
- Threaded End
- Locking Arrangements
- Gear Box

Applications

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- Food industries
- Pharmaceutical Industries
- Refineries
- LPG & LNG
- Chemical and Petrochemical Industries
- Hazardous & Corrosive Chemicals
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- Vacuum Services

Data to be supplied for ordering

- Valve Type
- Valve size
- Pressure Class
- Valve Bore
- Material
- Pressure / Temperature
- Service medium
- End connection type
- Other Requirements

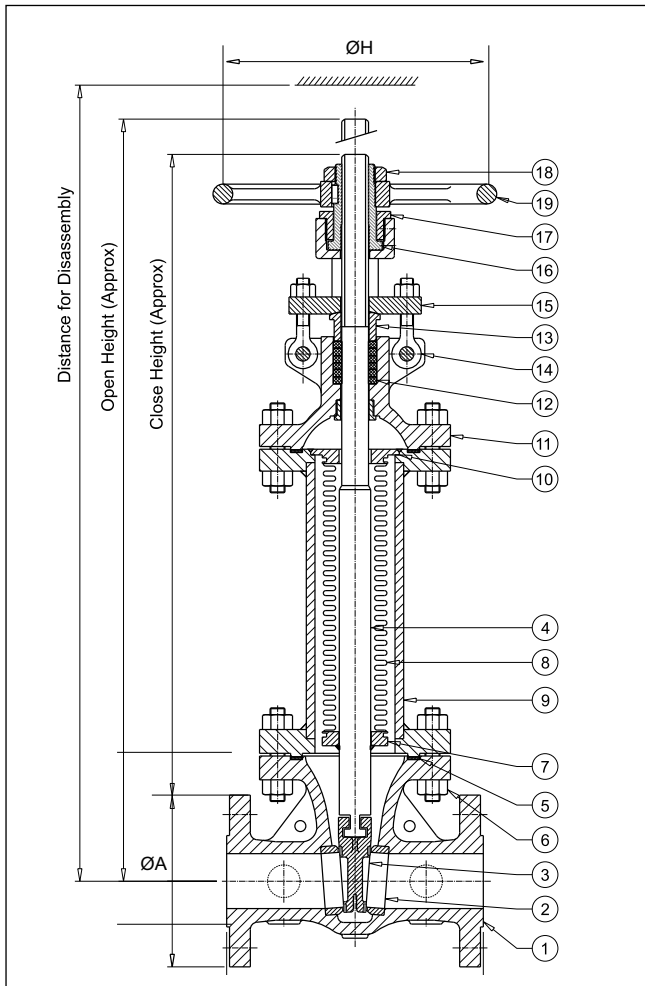
Materials

- ASTM A216 Gr WCB (0 °C to 425 °C)
- ASTM A216 Gr WCC (0 °C to 425 °C)
- ASTM A351 Gr CF8 (0 °C to 538 °C)
- ASTM A351 Gr CF8M (0 °C to 538 °C)
- ASTM A105 (0 °C to 425 °C)
- ASTM A182 Gr F304 (0 °C to 538 °C)
- ASTM A182 Gr F316 (0 °C to 538 °C)
- Other Materials on Request

Bellow Materials

- ANSI 316 (Ti) (Other Material on request)





Bill of Material

SN	Part Name	Material
1	Body	ASTM A216 GR.WCB
2	Seat	AISI 410+STELLITE
3	Wedge	WCB / CA15+STELLITE
4	Stem	AISI 410
5	Gasket	S.S 304 + Graphoil
6	Fasteners	ASTM A 193 Gr. B7/194 Gr.2H
7	Bottom Bellow Collar	AISI 316
8	Bellow	AISI 316 Ti
9	Cylinder	Carbon Steel
10	Top Bellow Collar	AISI 316
11	Bonnet	ASTM A216 GR.WCB
12	Gland Packing	Graphoil
13	Gland Bush	AISI 410
14	Eye Bolt Nut	ASTM A 193 Gr. B7 / 194 Gr.2H
15	Gland Flange	Carbon Steel
16	Yoke Sleeve	Carbon Steel
17	Yoke Nut	Carbon Steel
18	Hand Wheel Nut	Carbon Steel
19	Hand Wheel	M.I / S.G Iron

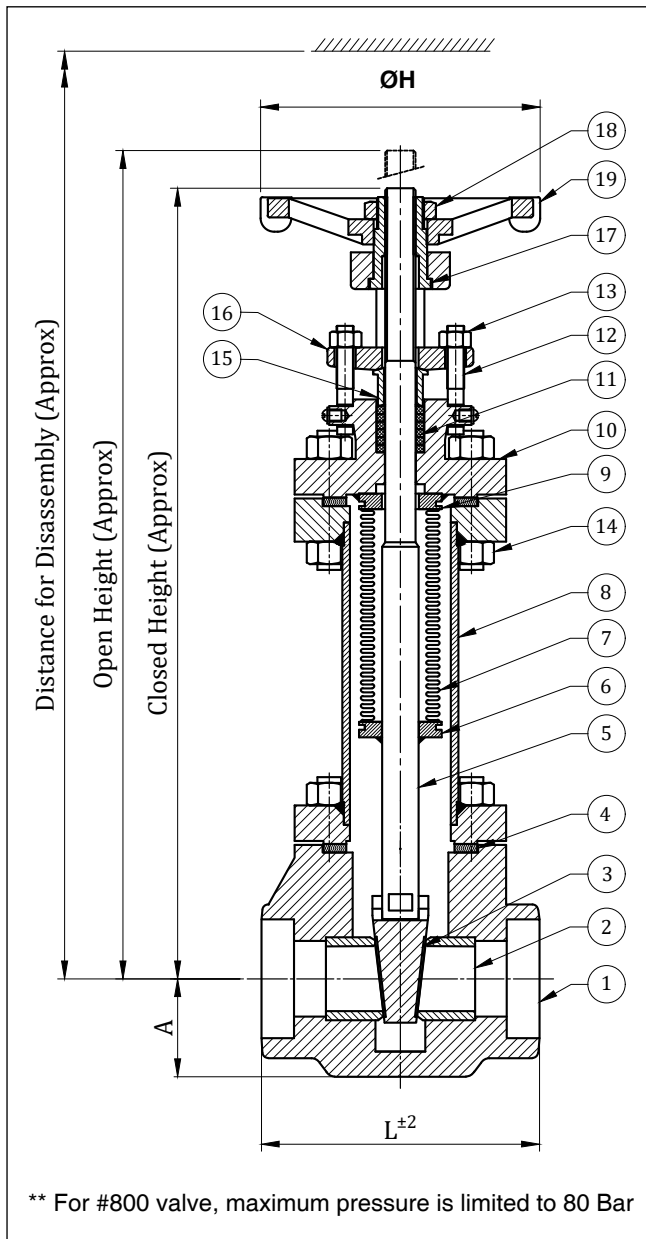
ANSI #150

Size	ØA	L	Close Height	Open Height	ØH	Approx Weight	Distance to Dismantle	Cv Values
2"	150	178	461.5	512.3	200	46	521.5	260
3"	190	203	626.8	703.3	250	59	701.3	625
4"	230	229	816.5	918.5	350	81	904.5	1150
6"	280	267	1090	1242.5	400	154	1205	2650
8"	345	292	1250.3	1453.3	400	246	1395.3	4850
10"	405	330	1576.5	1826.5	400	376	1743	7750
12"	485	356	1825.5	2130	400	530	2019.5	11500

ANSI #300

Size	ØA	L	Close Height	Open Height	ØH	Approx Weight	Distance for Disassembly	Cv Values
2"	165	216	466.5	518.5	200	51	526.5	260
3"	210	282	651.6	727.6	250	79	725.9	625
4"	255	305	840	942	350	103	928	1150
6"	320	403	1132	1284	400	202	1247	2650
8"	380	419	1399.4	1603.4	400	312	1544.4	4850
10"	445	457	1686	1940	400	485	1852.5	7750
12"	520	502	2152.5	2457.5	450	665	2346.5	11500

Forged Gate - ANSI #800



Bill of Material

SN	Part Name	Material
1	Body	ASTM A105
2	Seat	AISI 410+STELLITE
3	Wedge	AISI 410 / CA15+STELLITE
4	Gasket	S.S 304 + Graphoil
5	Stem	AISI 410
6	Bottom Bellow Collar	AISI 316
7	Bellow	AISI 316 Ti
8	Cylinder	Carbon Steel
9	Top Bellow Collar	AISI 316
10	Bonnet	ASTM A105
11	Gland Packing	Graphoil
12	Eye Bolt	ASTM A 193 Gr. B7
13	Eye Bolt Nut	ASTM A 194 Gr.2H
14	Fastners	ASTM A 193 Gr. B7/194 Gr.2H
15	Gland Bush	AISI 410
16	Gland Flange	Carbon Steel
17	Yoke Sleeve	Carbon Steel
18	Hand Wheel Nut	Carbon Steel
19	Hand Wheel	M.I / S.G Iron / C.S.

Size	A	L	Close Height	Open Height	ØH	Approx Weight (Kg)	Distance to Dismantle	Cv Values
1/2"	26.4	92	250	268	100	3	316	7
3/4"	26.4	92	250	268	100	3.6	316	14
1"	32.7	108	280	301	100	4.3	344	29
1 1/2"	47	126	363	398	150	9.1	450	93
2"	47	142	383	423	150	13.4	464	155

KSB Limited

Manufacturing Plants

Head Office & Pimpri :

Irrigation & Process Division
Mumbai-Pune Road, Pimpri,
Pune - 411 018.
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Chinchwad :

Power Projects Division
D-II Block, MIDC Chinchwad,
Pune - 411 019.
Tel.: 020-2740 9100 Fax : 020-2747 0890

Khandala :

Energy Pumps Division
A1, MIDC Khandala Phase II,
Village Kesurdi, Tal. Khandala,
Satara - 412 802.
Tel. : 02169 -246800

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Valves Division
151, Mettupalayam Road,
NSN Palayam Post,
Coimbatore - 641 031.
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Fax : 0422-2468232

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Standard Pumps Division
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Nashik - 422 113.
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Fax : 02551-230254

Vambori :

Foundry Division
Vambori, Ahmednagar - 413 704.
Tel.: 02426-272534, 272550, 272463
Fax : 02426-272043

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Kolkata - 700 017.
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Fax : 033-2287 0588

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Mumbai- 400 080, Tel.: 022-2168 1300

North :

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Gautam Budh Nagar - 201 301.
Tel.: 0120-254 1091 Fax : 0120-255 0567

South :

Guindy House, II Floor, # 92 Anna Salai,
Chennai - 600 032.
Tel.: 044-2235 2571-2, 2235 5673
Fax : 044-2235 2749

Service Stations :

Chennai :

6, Self-help Industrial Estate,
Keelkattalai, Near Keelkattalai - Palla-
varam Radial Road Signal junction,
Chennai 600 117
Tel. 044-22681159

Howrah :

Sadananda Industrial Estate
Howrah Amta Road, Balitikuri, Bakultala
Howrah - 711 113, West Bengal

NOIDA :

KSB House, A-96, Sector IV, NOIDA,
Dist. Gautam Budh Nagar - 201 301.
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Fax : 0120-255 0567

Odhav :

Shed No. 22, Gujarat Vepari
Mahamandal, Odhav,
Ahmedabad - 382 410.
Tel.: 079-2290 0372
Fax : 079-2290 0749

Chinchwad :

Power Projects Division
D-II Block, MIDC Chinchwad,
Pune - 411 019.
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Baddi :

Plot No. 73, DIC Industrial Area, Baddi,
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Tel. : +91 98764 12714

Branch Offices :

Ahmedabad :

Shed No. 22, Gujarat Vepari
Mahamandal, Odhav,
Ahmedabad - 382 410.
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Aurangabad :

Plot No. P-204, Shivshankar Colony,
Near Hotel Sayli,
Aurangabad - 431 005.
Tel.: 0240-235 1440, 234 2447
Fax : 0240-235 1440

Bangalore :

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West of Chord Road, 2nd Stage,
Bangalore - 560 086
Tel.: 080-2349 1806, 2349 3925
Fax : 080-2349 6036

Baroda :

4-B, Ramkrishna Chamber,
Productivity Road, Baroda - 390 005.
Tel.: 0265-233 0532, 233 3226
Fax : 0265-235 0002

Bhubaneswar :

N5/39,1st Floor, IRC Village, Nayapalli,
Bhubaneswar - 751 015.
Tel.: 0674-255 8497
Fax : 0674-255 8499

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SCO - 189, 2nd Floor, Sector - 7C,
Chandigarh - 160 019.
Tel. / Fax : 0172-279 0072, 279 0062

Indore :

B-14, Ratlam Kothi, Kanchan Baug Road,
Indore - 452 001.
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Fax : 0731-252 9704

Jaipur :

Anjali Chambers, 2nd Floor, Block C,
10, Rajbhawan Road, Civil Lines,
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Fax : 0141-222 4904

Jamshedpur :

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Road No: 2, Sonari West Layout,
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Tel.: 0657-231 4012, 231 4011
Fax : 0657-231 7128

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Lucknow - 226 001.
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Fax : 0522-263 5597

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Fax : 0771-258 3921

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KSB Limited Valves Division

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Mktg. Services /02-22/500