

ECOLINE BSGL-S

Bellow Seal Globe 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 Globe Valve
Class 150 / 300 - 2" to 12"
Forged Globe Valve
Class 800 - ½" to 2"



ECOLINE BSGL-S

Bellow Seal Globe 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 Globe valve Designed to BS 1873
- Forged 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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- Pharmaceutical Industries
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- Hazardous & Corrosive Chemicals
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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

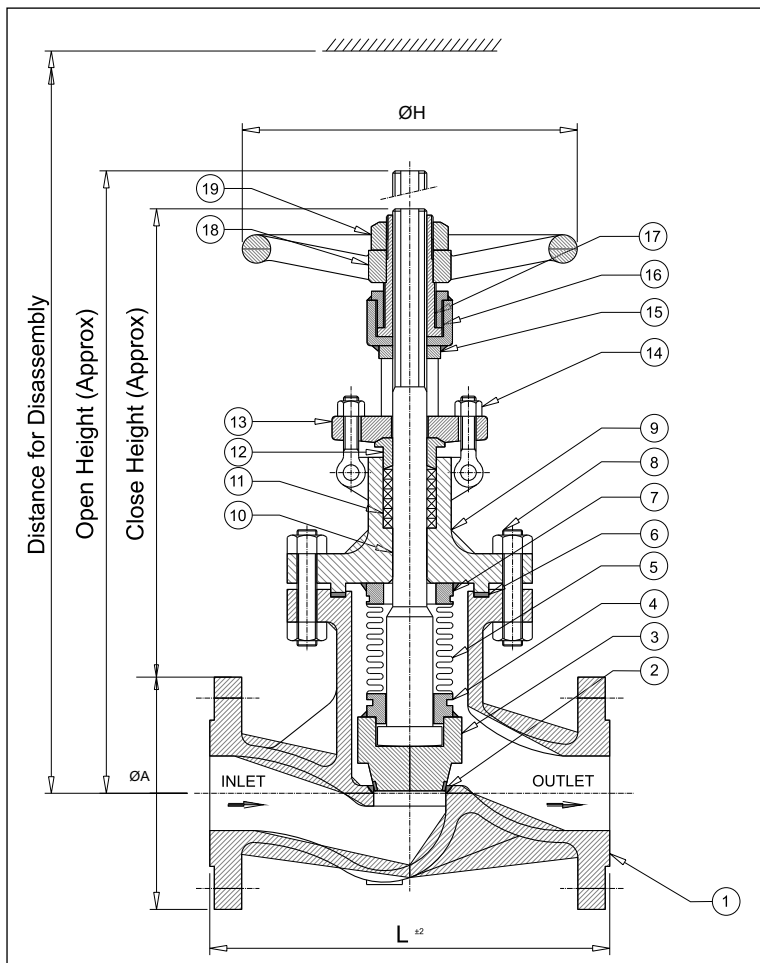
- ASTM A216 Gr WCB (0 °C to 425 °C)
- ASTM A216 Gr WCC (0 °C to 425 °C)
- ASTM A351 Gr CF8 (0 °C to 538 °C)
- ASTM A351 Gr CF8M (0 °C to 538 °C)
- ASTM A105 (0 °C to 425 °C)
- ASTM A182 Gr F304 (0 °C to 538 °C)
- ASTM A182 Gr F316 (0 °C to 538 °C)
- Other Materials on Request

Bellow Materials

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



Cast Globe



Bill of Material

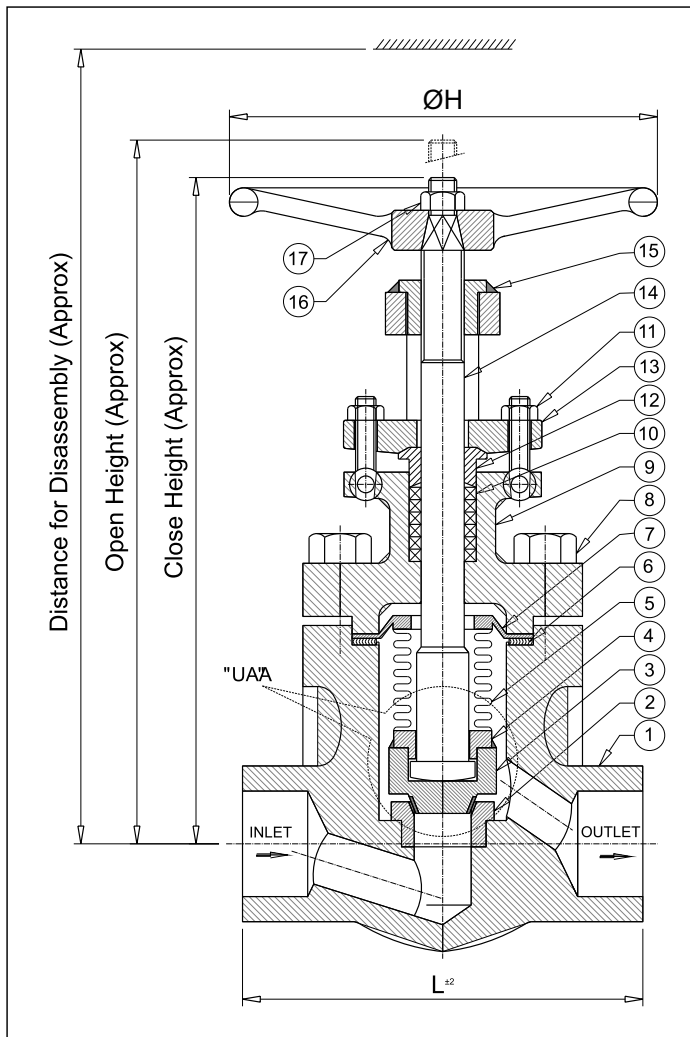
SN	Part Name	Material
1	Body	ASTM A216 Gr. WCB
2	seat	WCB+STELLITE
3	Plug	AISI 410+STELLITE
4	Bottom Bellow Collar	AISI 316
5	Bellow	AISI 316 Ti
6	Gasket	S.S 304 + Graphoil
7	Top Bellow Collar	AISI 316
8	Fasteners	ASTM A 193 Gr. B7/194 Gr.2H
9	Bonnet	ASTM A216 Gr. WCB
10	Stem	AISI 410
11	Gland Packing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

ANSI #150

Size	ØA	L	Close Height	Open Height	ØH	Approx Weight	Distance to Dismantle	Cv Values
2"	150	203	364	380	250	26	450	35
3"	190	241	433	453	250	48	595	92
4"	230	292	487	563	350	71	675	180
6"	280	406	554	635	400	130	800	430
8"	345	495	683	774	400	201	890	810
10"	405	622	762	782	400	311	1300	1070
12"	485	698	860	880	400	413	1450	1950

ANSI #300

Size	ØA	L	Close Height	Open Height	ØH	Approx Weight	Distance for Disassembly	Cv Values
2"	165	267	330	345	350	28	450	35
3"	210	318	425	445	400	53	170	92
4"	255	356	456	482	400	79	210	180
6"	320	444	525	565	400	156	250	370
8"	380	559	605	655	400	260	270	695
10"	445	622	910	980	400	530	290	1065
12"	520	711	1010	1090	400	610	360	1640



Bill of Material

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

** For #800 valve, maximum pressure is limited to 80 Bar

Size	L	Close Height	Open Height	ØH	Approx Weight	Distance for Disassembly	Cv Values
1/2"	92	165	172	100	2	60	2
3/4"	92	165	172	100	2	60	3
1"	108	175	184	100	3.5	70	4
1 1/2"	126	250	266	150	9.5	90	15
2"	142	260	272	150	11.4	90	30

KSB Limited

Manufacturing Plants

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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.
Tel.: 0422-2468222, 2468547-9
Fax : 0422-2468232

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Standard Pumps Division
Plot No. E-3 & E-4, MIDC Sinnar,
Nashik - 422 113.
Tel.: 02551-230252 / 53, 229700
Fax : 02551-230254

Vambori :

Foundry Division
Vambori, Ahmednagar - 413 704.
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Kolkata - 700 017.
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North :

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Gautam Budh Nagar - 201 301.
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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

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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.
Tel.: 020-2740 9100 Fax : 020-2747 0890

Baddi :

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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
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Bangalore :

2nd Floor, Plot No.69/A, Service Road,
West of Chord Road, 2nd Stage,
Bangalore - 560 086
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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

Chandigarh :

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,
Jaipur - 302 001.
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Fax : 0141-222 4904

Jamshedpur :

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Road No: 2, Sonari West Layout,
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Fax : 0657-231 7128

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Fax : 0522-263 5597

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Fax : 0771-258 3921

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Fax : 040-2700 1725

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Tel.: 62353 55500



KSB Limited Valves Division

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Mktg. Services /02-22/500