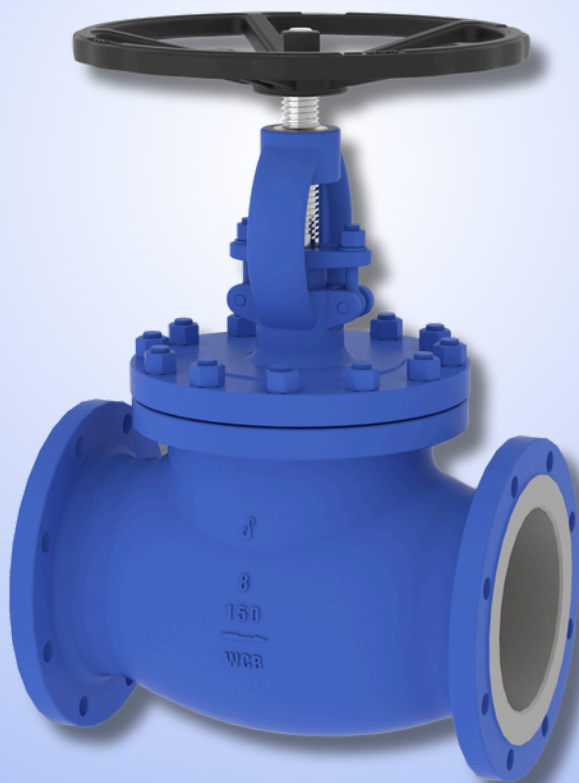


BELLOW SEAL VALVES

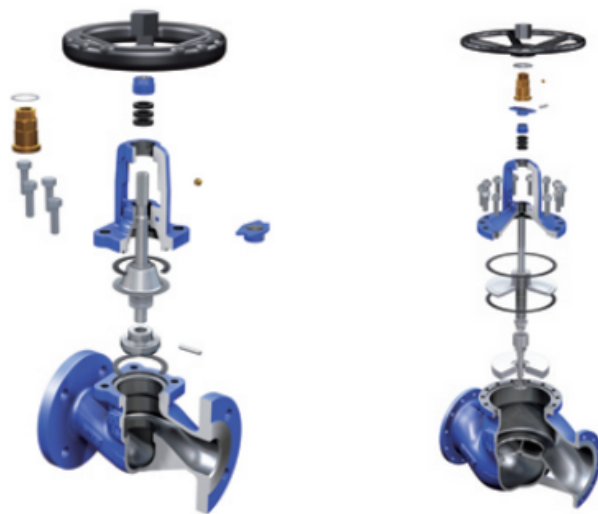


Designed and made as
per
GERMAN Standard

BELLOW SEAL VALVES

Technical Services

Our bellow valve is designed with conical disc and double sealing structure include bellows and packing. Research and development of new materials to provide outstanding performance of wear resistance and corrosion resistance. Advanced hydraulic simulation software helps us optimize valves for the flow process. Customers can benefit from safety working cycles, improved energy efficiency and reduced operation costs.



Sealing Technology

Conical seal design

It can magnify the axial force from valve stem into sealing force. Under the same, greater Sealing can be obtained. closing is easier and sealing the performance is better.

Double seal design

Bellows and packing double sealing design for double safety. This makes the sealing at the valve stem safer and more reliable, and conforms to sealing standards.

Protective Space Design of Bellows

Protective space design can be added. Bellows are placed in a protective space and are not directly affected by pressure and temperature of media



Low Noise, Low Flutter

Reduce noise and tremble Equipped with center positional system, it can effectively reduce the vibration of valve in operation.



<60db



↑ 150%

Casting Technology Of German Coated Sand

12.5 - 25 μ

Body smoothness

>98%

No Stomata, Sand, Holes and Cracks

100%

Effective Wall thickness Standard

BELLOW SEAL VALVES

Corrugated Pipe

Bellows components

Extended and multiple layer. anti-torsion and long life bellows can completely refresh the opening and closing life of domestic bellows, up to 10000 times.

10,000 (Max)

Opening and Closing
Life

0 Leakage

100% bellows components and valves qualified according to the fugitive emission test standard ISO15848•A standard when they leave the Ensure zero leakage.

Advantages

- Bellow seal element. The key part of bellow sealed globe 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.
- Benefit from the conical and streamline shape design, the disc has a reliable seal and longer service life.
- Double seal design(bellows+packing). Bellow and packing can protect against leakage and provide excellent seal.
- Grease nipple. It can direct lubricate the stem, nut and sleeve.
- Size above DNI 50 with triangle position device. It can protect internal parts from shaking, less noise and more tensile strength.
- Different disc design for different work conditions, regulating disc, globe-check disc, soft seal disc etc.
- Ergonomic hand wheel. It provides longer service life and easier operation.

Materials

Part name	Material	Part name	Material
Body	GS-C25, GGG-40, 1.4401, 1.4408	Nut	ASTM 194-2H, A194-8
Seat	1.4301, Stellite	Double-headed bolt	ASTM 194-B7, A193-B8
Disc	1.4021, 1.4401 + Stellite	Packing	Flexible graphite
Pin	1.4301, 1.4401	Gland	1C25, 1.4301, 1.4401
Bellow assemble	1.4301, 1.4401	Locator	1C25
Stem	1.4021, 1.4301, 1.4401	Stem nut	Copper alloy, D2, BL2
Gasket	Flexible graphite + stainless steel	Hand wheel	1025/KTH330
Cover	GS-C25, GGG-40, 1.4401, 1.4408	Cap	1C45

Can be used in:

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

BELLOW SEAL VALVES

DIN STANDARD BELLOW SEAL GLOBE VALVE



Technical Specifications

NO.	Part name	Material
1	Body	GS-C25, GGG-40, 1.4401
2	Seat	1.4301, Stellite
3	Disc	1.4021, 1.4401+ Stellite
4	Pin	1.4301, 1.4401
5	Bellow assemble	1.4301, 1.4401
6	Stem	1.4021, 1.4301, 1.4401
7	Gasket	Flexible graphite + stainless steel
8	Cover	GS-C25, GGG-40, 1.4401
9	Nut	ASTM 194-2H, A194-8
10	Double-headed bolt	ASTM 194-B7, A193-B8
11	Packing	Flexible graphite
12	Gland	1C25, 1.4301, 1.4401
13	Locator	1C25
14	Stem nut	Copper alloy, D2, BL2
15	Hand wheel	Carbon steel
16	Cap	1C45

PN 16								
DN	Main connection size							
	L	D	D1	D2	b	f	H	n-Φd
15	130	95	65	45	16	2	195	4-Φ14
20	150	105	75	58	18	2	195	4-Φ14
25	160	115	85	68	18	2	207	4-Φ14
32	180	140	100	78	18	2	218	4-Φ18
40	200	150	110	88	18	3	225	4-Φ18
50	230	165	125	102	20	3	230	4-Φ18
65	290	185	145	122	20	3	272	4-Φ18
80	310	200	160	138	20	3	290	8-Φ18
100	350	220	180	158	20	3	355	8-Φ18
125	400	250	210	188	22	3	410	8-Φ18
150	480	285	240	212	22	3	425	8-Φ22
200	600	340	295	268	24	3	540	12-Φ22
250	730	405	355	320	26	3	665	12-Φ26
300	850	460	410	378	28	4	720	12-Φ26
350	980	520	470	438	30	4	970	16-Φ26
400	1100	580	525	490	32	4	1055	16-Φ30

PN 25								
15	130	95	65	45	16	2	195	4-Φ14
20	150	105	75	58	18	2	195	4-Φ14
25	160	115	85	68	18	2	207	4-Φ14
32	180	140	100	78	18	2	218	4-Φ18
40	200	150	110	88	18	3	225	4-Φ18
50	230	165	125	102	20	3	230	4-Φ18
65	290	185	145	122	22	3	272	8-Φ18
80	310	200	160	138	24	3	290	8-Φ18
100	350	235	190	162	24	3	355	8-Φ22
125	400	270	220	188	26	3	410	8-Φ26
150	480	300	250	218	28	3	425	8-Φ26
200	600	360	310	278	30	3	540	12-Φ26
250	730	425	370	335	32	3	665	12-Φ30
300	850	485	430	395	34	4	720	16-Φ30
350	980	555	490	450	38	4	970	16-Φ33
400	1100	620	550	505	40	4	1055	16-Φ36

BELLOW SEAL VALVES

ANSI STANDARD BELLOW SEAL GLOBE VALVE

Technical Specifications



NO.	Part name	Material
1	Body	WCB, CF8, CF3
2	Seat	304, Stellite
3	Disc	13Cr, F304, F316
4	Pin	S.S304, S.S316
5	Bellows	S.S304, S.S316L
6	Stem	13Cr, F304, F316
7	Gasket	Stainless+ Flexible graphite
8	Cover	WCB, CF8, CF3
9	Nuts	ASTM 194-2H, A194-8
10	Double-headed bolt	ASTM 193-B7, A194-B8
11	Packing	Flexible graphite
12	Gland	WCB, CF8, CF3
13	Jack bolt	ASTM 193-B7, A194-B8
14	Nut	ASTM 194-2H, A194-8
15	Locator	1045
16	Stem nut	Copper alloy, B2, BL2
17	Hand wheel	Carbon steel
18	Cap	1025

150 LB										
DN	Main connection size									
	L		D	D1	D2	b	f		H	n-Φd
1/2 "	108		90	60.5	35	10.7			215	4-Φ15
3/4 "	117		100	70	43	11.7			215	4-Φ16
1 "	127		110	79.5	51	12.7			220	4-Φ16
1-1/4 "	165		125	98.5	73	14			250	4-Φ16
1-1/2 "	203		150	120.5	92	16			260	4-Φ19
2 "	216		180	139.5	105	17.5			305	4-Φ19
2-1/2 "	241		190	152.4	127	19			325	4-Φ19
3 "	292		230	190.5	157	24			390	8-Φ19
4 "	406		280	241.5	216	25.4			455	8-Φ22
5 "	495		345	298.5	270	29			570	8-Φ22
300 LB										
1/2 "	152		95	66.5	35	14			215	4-Φ16
3/4 "	178		115	82.5	43	16			215	4-Φ19
1 "	203		125	89	51	17			220	4-Φ22
1-1/4 "	229		155	114.5	73	21			250	4-Φ22
1-1/2 "	267		165	127	92	22			260	8-Φ19
2 "	292		190	149	105	25.5			305	8-Φ22
2-1/2 "	318		210	168.5	127	29			325	8-Φ22
3 "	356		255	200	157	32			390	8-Φ22
4 "	444		320	270	216	37			455	12-Φ22
5 "	559		380	330	270	41			570	12-Φ25

BELLOW SEAL VALVES

ANGLE TYPE BELLOW GLOBE VALVE

Technical Specifications



NO.	Part name	Material
1	Body	GS-C25, GGG-40, 1.4401
2	Seat	1.4301, Stellite
3	Disc	1.4021, 1.4401
4	Pin	1.4301, 1.4401
5	Bellows	1.4021, 1.4401
6	Stem	1.4201, 1.4401
7	Gasket	Stainless+ Flexible graphite
8	Cover	GS-C25, GGG-40, 1.4401
9	Hex nuts	ASTM A194-2H, A194-8
10	Stud	ASTM A193-B7, A194-B8
11	Packing	Flexible graphite
12	Platen	1C25, 1.4401
13	Stem guide	1C25
14	Stem nut	Copper alloy, D2, BL2
15	Hand wheel	Carbon steel
16	Locknut	1C45

PN 16							
DN	Main connection size						
	L	D	D1	D2	b	f	n-Φd
15	90	95	65	45	16	2	4-Φ14
20	95	105	75	58	18	2	4-Φ14
25	100	115	85	68	18	2	4-Φ14
32	105	140	100	78	18	2	4-Φ18
40	115	150	110	88	18	3	4-Φ18
50	125	165	125	102	20	3	4-Φ18
65	145	185	145	122	20	3	4-Φ18
80	155	200	160	138	20	3	8-Φ18
100	175	220	180	158	20	3	8-Φ18
125	200	250	210	188	22	3	8-Φ18
150	225	285	240	212	22	3	8-Φ22
200	275	340	295	268	24	3	12-Φ22
250	325	405	355	320	26	3	12-Φ26
300	375	460	410	378	28	4	12-Φ26
350	425	520	470	438	30	4	16-Φ26
400	475	580	525	490	32	4	16-Φ30
PN 25							
15	90	95	65	45	16	2	4-Φ14
20	95	105	75	58	18	2	4-Φ14
25	100	115	85	68	18	2	4-Φ14
32	105	140	100	78	18	2	4-Φ18
40	115	150	110	88	18	3	4-Φ18
50	125	165	125	102	20	3	4-Φ18
65	145	185	145	122	22	3	8-Φ18
80	155	200	160	138	24	3	8-Φ18
100	175	235	190	162	24	3	8-Φ22
125	200	270	220	188	26	3	8-Φ26
150	225	300	250	218	28	3	8-Φ26
200	275	360	310	278	30	3	12-Φ26
250	325	425	370	335	32	3	12-Φ30
300	375	485	430	395	34	4	16-Φ30
350	425	555	490	450	38	4	16-Φ33
400	475	620	550	505	40	4	16-Φ36

BELLOW SEAL VALVES

FORGED STEEL BELLOW SEAL GLOBE VALVE

Technical Specifications



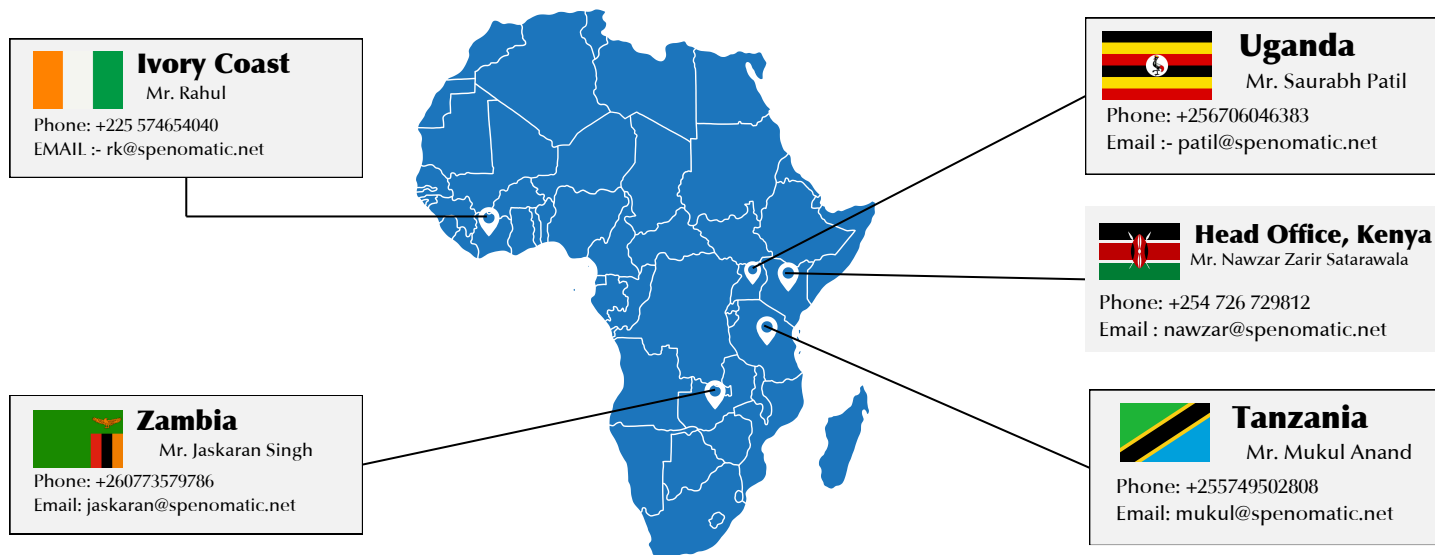
NO.	Part name	Material
1	Body	A105N, F304, F316
2	Seat	304, Stellite
3	Disc	2Cr13, F304, F316
4	Pin	S.S304, S.S316
5	Bellow assemble	S.S304, S.S316L
6	Stem	2Cr13, F304, F316
7	Gasket	Flexible graphite + stainless steel
8	Cover	A105N, F304, F316
9	Headed bolt	ASTM 193-B7, A193-B8
10	Packing	Flexible graphite
11	Gland	A105N, F304, F316
12	Jack bolt	ASTM 193-B7, A193-B8
13	Nut	ASTM 194-2H, A194-8
14	Stem nut	Copper alloy, D2
15	Hand wheel	Carbon steel
16	Cap	45#

PN 16								
DN	Main connection size							
	L	D	D1	D2	b	f	H	n-Φd
15	130	95	65	45	16	2	210	4-Φ14
20	150	105	75	58	18	2	215	4-Φ14
25	160	115	85	68	18	2	220	4-Φ14
32	180	140	100	78	18	2	225	4-Φ18
40	200	150	110	88	18	3	250	4-Φ18
50	230	165	125	102	20	3	270	4-Φ18
PN 25								
15	130	95	65	45	16	2	210	4-Φ14
20	150	105	75	58	18	2	215	4-Φ14
25	160	115	85	68	18	2	220	4-Φ14
32	180	140	100	78	18	2	225	4-Φ18
40	200	150	110	88	18	3	250	4-Φ18
50	230	165	125	102	20	3	270	4-Φ18
PN 40								
15	130	95	65	45	16	2	210	4-Φ14
20	150	105	75	58	18	2	215	4-Φ14
25	160	115	85	68	18	2	220	4-Φ14
32	160	140	100	68	18	2	225	4-Φ18
40	180	150	110	78	18	3	250	4-Φ18
50	230	165	125	102	20	3	270	4-Φ18

Disclaimer: All pictures in this document are a pictorial representation of the product. the actual product may vary. Technical data may vary from the data provided in this document.

BELLOW SEAL VALVES

Contact Us



Please provide the following information when ordering:

1. Operating pressure, back pressure
2. Operating temperature
3. Type of connection
4. Flow
5. Size

- Please ask the manufacturer for special sizes and Materials

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