



standard features

- **Description** BOLTED BONNET
OUTSIDE SCREW AND YOKE
RISING STEM
NON RISING HANDWHEEL
- **Design** BS 1873
ASME B16.34
API 623
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5
BW ENDS TO ASME B16.25
- **Testing** API 598
EN 12266
- **Rating** ASME B16.34
- **Marking** MSS-SP 25
CE - PED
- **Certificates** EN 10204 – 3.1 / 3.2

PART NAME	W46xSO	L46xSO	M46xSO	C46xSO	B46xSO	E46xSO	D46xSO	F46xSO	H46xSO
1 Body	W CB	LCB	W C6	C5	C12	CF8	CF8C	CF8M	CF3M
2 Bonnet	W CB	LCB	W C6	C5	C12	CF8	CF8C	CF8M	CF3M
3 Seat ring surface	F6A (1)	F6A (1)	F6A (1)	F6A (1)	F6A (1)	F304 (1)	F321 (1)	F316 (1)	F316L (1)
4 Disc seat surface	F6A (2)	F6A (2)	F6A (2)	F6A (2)	F6A (2)	F304 (2)	F321 (2)	F316 (2)	F316L (2)
5 Stem	F6A (3)	F6A (3)	F6A (3)	F6A (3)	F6A (3)	F304 (3)	F321 (3)	F316 (3)	F316L (3)
6 Back seat	F6A	F6A	F6A	F6A	F6A	F304	F321	F316	F316L
7 Gland	F6A	F6A	F6A	F6A	F6A	F304	F321	F316	F316L
8 Gland flange	A105	F316	F316	F316	F316	F316	F316	F316	F316L
9 Yoke sleeve	B148 9A (4)	B148 9A (4)	Nod.Iron	Nod.Iron	Nod.Iron	B148 9A (4)	B148 9A (4)	B148 9A (4)	B148 9A (4)
10 Yoke nut	F6A	F6A	F6A	F6A	F6A	F304	F321	F316	F316L
11 Handwheel					Steel				
12 Handwheel nut					A105				
13 Bolts	B7	L7	B16	B16	B16	B8	B8	B8	B8
14 Nuts	2H	G7	G7	G7	G7	G8	G8	G8	G8
15 Eye bolts	B7	L7	B16	B16	B16	B8	B8	B8	B8
16 Nuts	2H	G7	G7	G7	G7	G8	G8	G8	G8
17 Eye bolt pin	B7	L7	B16	B16	B16	B8	B8	B8	B8
18 Bellow flange									
19 Gasket					A182 F321				
20 Packing					S.S. spiral wound reinf. graphite / RTJ (5)				
21 Bellow					Graphite rings & wiper rings (6)				
22 No rot. Device	F6A	F6A	F6A	F6A	F6A	F304	F321	F316	F316L
23 Grease nipple					Steel				

(1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials
 (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials
 (3) On request: 17 Cr - Monel® - Hastelloy® - other materials

(4) On request: Nodular Iron - Nitronic 60
 (5) On request: PTFE - other materials
 (6) On request: PTFE - other materials

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FIG. N. 460SO - GLOBE VALVES BELLOW SEAL ASME CLASS 150

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	--	--	--	--
L RF/BW	203	216	241	292	356	406	495	622	699	787	914	--	--	--	--
L RTJ	216	219	254	305	368	419	508	635	711	800	927	--	--	--	--
D	152	178	191	229	254	279	343	406	483	533	597	--	--	--	--
V	200	200	225	250	300	300	500*	700*	700*	800*	1000*	--	--	--	--
H	340	370	400	440	500	580	700	800	900	970	1270	--	--	--	--
H1	355	390	424	470	538	625	760	875	990	1090	1410	--	--	--	--

FIG. N. 461SO - GLOBE VALVES BELLOW SEAL ASME CLASS 300

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	--	--	--	--
L RF/BW	267	292	318	356	400	445	559	622	711	838	864	--	--	--	--
L RTJ	282	308	333	371	416	460	575	638	727	854	879	--	--	--	--
D	165	191	210	254	279	318	381	445	521	584	648	--	--	--	--
V	200	225	225	300	300	500*	600*	700*	700*	800**	1000*	--	--	--	--
H	410	420	430	480	590	700	820	900	1050	1200	1440	--	--	--	--
H1	425	440	454	504	628	745	880	975	1140	1320	1800	--	--	--	--

FIG. N. 462SO - GLOBE VALVES BELLOW SEAL ASME CLASS 600

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	--	--	--	--
L RF/BW	292	330	356	432	508	559	660	787	838	889	991	--	--	--	--
L RTJ	295	333	359	435	511	562	663	790	841	892	994	--	--	--	--
D	165	191	210	273	330	356	419	508	559	603	686	--	--	--	--
V	200	250	250	400*	500*	700*	1000*	1000*	1000*	1000*	1000*	--	--	--	--
H	370	525	565	620	700	800	860	1280	1350	1490	1720	--	--	--	--
H1	385	545	589	650	738	845	920	1355	1440	1630	2100	--	--	--	--

FIG. N. 463SO - GLOBE VALVES BELLOW SEAL ASME CLASS 900

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"
L RF/BW	368	419	381	457	559	610	737	838	965
L RTJ	371	422	384	460	562	613	740	842	968
D	216	244	241	292	349	381	470	546	610
V	400	400	500*	600*	700*	1000*	1000*	1000*	1000*
H	590	710	610	750	890	1000	1170	1540	1720
H1	605	730	634	780	928	1045	1230	1615	1810

FIG. N. 464SO - GLOBE VALVES BELLOW SEAL ASME CLASS 1500

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"
L RF/BW	368	419	470	546	673	705	832	991	1130
L RTJ	371	422	473	549	676	711	842	1000	1146
D	216	244	267	311	375	394	483	584	673
V	400*	400*	500*	700*	700*	900*	1000*	1000*	1000*
H	590	710	790	860	930	1000	1100	1720	1810
H1	605	730	814	890	968	1045	1160	1795	1950

* Gear operator recommended

features on request

- TOP FLANGE TO ISO 5210
- GEAR OPERATOR
- CHAIN WHEEL OPERATOR
- PNEUMATIC ACTUATOR
- HYDRAULIC ACTUATOR
- ELECTRIC ACTUATOR
- POSITION INDICATOR
- LIMIT SWITCHES
- LOCKING / INTERLOCK SYSTEM
- DISC WITH PTFE INSERT
- PARABOLIC DISC
- STOP CHECK DISC
- STEM PROTECTION
- STEM EXTENSION
- LANTERN RING
- EXTENDED STUFFING BOX
- LIVE LOADED PACKING
- DRAIN PLUG
- BY PASS
- BW ENDS
- DIN CONNECTIONS

All dimensions in mm (except where differently indicated)

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